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USDA-DHIA
COW PERFORMANCE INDEX LIST, MAY 1973
REGISTERED COWS CALVING BETWEEN AUGUST 1970 AND APRIL 1972

ARS-NE-25

CURRENT SERIAL RECORDS

Animal Physiology and Genetics Institute

AGRICULTURAL RESEARCH SERVICE • U.S. DEPARTMENT OF AGRICULTURE

The Cow Index Values in this publication are estimates of genetic transmitting ability for milk and fat yield, fat percent, and dollars of gross income for outstanding registered cows based on lactation records made in the Official DHI and DHIR dairy recordkeeping programs. Cows are eligible for inclusion in the list even though their sires may not have been summarized. The interpretation of all information on the cow index listings is exactly the same as in previous years. Persons who wish to obtain maximum benefit from the information contained in this publication should read the introductory material thoroughly.

The names and addresses of owners of cows appearing in this list are given at the end of the cow index listing. They are given in sequence by herd code number.

The Cow Index Values for superior cows from each run are distributed to extension dairymen, breed associations, and AI organizations in the form of computer listings or magnetic tape. This publication is compiled and printed annually following the May sire summary run. It is usually available for distribution in August or September of each year. Since it is an annual publication, no general mailing list is maintained. Copies can be obtained, free of charge, by contacting the extension dairyman advising on dairy cattle breeding programs in each State (see table IX, p.xviii) or by writing directly to the following address: Animal Improvement Programs Laboratory, Building 263, ARC-East, Beltsville, Md. 20705. Cow Index Values for registered cows not appearing in this publication can be obtained from the respective breed associations.

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[dairy herd improvement association]

USDA-DHIA
COW PERFORMANCE INDEX LIST.
Registered Cows Calving Between August 1970 and April 1972. Indexed May 1973

by F. N. Dickinson, B. T. McDaniel, H. D. Norman, G. J. King, R. L. Powell, and J. F. Keown 1/

USDA-DHIA Cow Performance Index Values are estimates of transmitting ability. A cow's transmitting ability for milk, fat, fat percent, or dollars of gross income is the level above or below breed average that she is expected to transmit to her offspring. The cows of outstanding genetic merit for milk and fat that appear in this list were selected by a two-stage procedure. The first stage was an initial screening based on the following criteria:

(1) The cow is registered.

(2) The cow has an average of at least five herdmates for her lactation records on file.

(3) The date of last calving must be between August 1, 1970, and April 18, 1972.

(4) The cow's last record had a termination code (blank, A, B, or H) indicating she was alive at the termination of the record (see table VIII, p. xvii).

The second stage of this procedure was to index all cows that had passed the initial screening and then to select for printing in this publication those that met or surpassed the levels of average yield and estimates of transmitting ability given in table I. The number of cows in each breed that passed each stage of the screening procedure and the percentage of cows that qualified for listing in this book are given in table II.

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Table I.--Screening levels for mature equivalent (ME) yields, herdmate deviations (HM-DEV), and Cow Index Values (CI) required for a cow to appear in this publication

Breed	Screening Levels						
	ME yields		HM-DEV		CI		
	Milk	Fat	Milk	Fat	Milk	Fat	$
	Lb	Lb	Lb	Lb	Lb	Lb	$
Ayrshire	12,000	450	1,000	0	300	0	42
Guernsey	11,000	470	1,000	0	300	0	31
Holstein	15,000	520	1,500	0	400	0	42
Jersey	10,000	460	1,000	0	300	0	31
Brown Swiss	13,000	510	1,300	0	350	0	36
M. Shorthorn	11,000	400	1,000	0	300	0	16

Table II.--Cows meeting criteria of selection for USDA-DHIA Cow Performance Index List

Breed	Cows meeting stage-one criteria	Cows meeting stage-two screening levels	Cows qualifying for listing
	No.	No.	%
Ayrshire	23,628	1,312	5.6
Guernsey	87,289	2,940	3.4
Holstein	614,884	17,934	2.9
Jersey	76,785	2,639	3.4
Brown Swiss	23,993	1,002	4.2
M. Shorthorn	3,225	329	10.2

The herdmate comparison method has been adopted for estimating transmitting ability, because it has been shown to be effective in reducing the environmental effects of herd, year, and season-of-calving on genetic evaluations. Therefore, the yield of each cow and of her paternal half-sisters is expressed as a deviation from herdmates when calculating the cow index ratings. The Predicted Difference of her sire is used as the measure on her paternal half-sisters.

The relative emphasis given to the two sources of information (cow's herdmate deviation and her sire's Predicted Difference) depends on the number of records the cow has completed and the repeatability of the sire's Predicted Difference. The relative emphasis is shown in table III for varying levels of the sire's Repeatability and up to five records on the cow. The values were determined after taking into account the magnitude of the variance that affects a cow's mean herdmate deviation as opposed to her sire's Predicted Difference.

In general, the variation associated with the mean deviation of a cow's records from her herdmates is much greater than that of her sire's Predicted Difference. For example, it is not unusual for a cow's record to be 5,000 pounds of milk above or below her herdmate average. However, it would be extremely unusual for a group of 10 or more of her paternal half-sisters to deviate that much from their herdmates. Therefore, these two sources of information are placed on the basis of a standardized variance (that is, standard partial regression coefficients).

When this has been done, the values in table IV indicate that a cow's production receives more emphasis than her half-sisters' production until sufficient half-sister information is available to raise the Repeatability of her sire's summary to 50 percent. For example, if the cow has five records, and if there is minimum information on her half-sisters, her own data receive 1.9 times as much emphasis as the sire's Predicted Difference. In that case, the relative emphasis is about 2:1 in favor of the cow's information. At the other extreme (one record on the cow and Repeatability of sire's summary is 95 percent), the emphasis has shifted to 0.6:1, or about 1.7 times as much emphasis on the sire's Predicted Difference as shown on the cow's data.

The degrees of relative emphasis shown in table III for varying amounts of information on a cow and her sire's Predicted Difference show clearly that when information is

available from both sources, it should be utilized to estimate a cow's transmitting ability. Even in the most extreme cases shown, the ratio of emphasis is less than 2:1, indicating that both sources of information make important contributions to the estimate of a cow's transmitting ability.

Table III.--Relative emphasis given to cow's herdmates deviation in relation to sire's Predicted Difference (PD) in calculating Cow Index Values

Repeatability of sire's PD	Number of lactations for the cow				
	1	2	3	4	5
20	1.6	1.7	1.8	1.9	1.9
30	1.2	1.3	1.4	1.4	1.5
40	1.0	1.1	1.2	1.2	1.2
50	.9	.9	1.0	1.0	1.0
60	.8	.8	.9	.9	.9
70	.7	.8	.8	.8	.8
80	.7	.7	.7	.8	.8
90	.6	.7	.7	.7	.7
95	.6	.7	.7	.7	.7

1/ Table values should be interpreted as the ratio: emphasis on cow's information/emphasis on half-sisters' information. The first value (1.6) indicates that the ratio of weighting of cow's data to weighting of half-sisters' data is 1.6:1.

Cow Index Values for Milk and Fat

USDA-DHIA Cow Index Values for milk and fat are calculated as follows:

$$CI = \frac{1}{2}\left\{ w_1 \left[(\bar{C} - \overline{AHMA}) + 0.1(\overline{AHMA} - BA) \right] + w_2 (\text{Sire's PD}) \right\}$$

Term	Meaning
$1/2$	Gives index in terms of transmitting ability
w_1	Weighting for cow's information
$(\bar{C} - \overline{AHMA})$	Cow's herdmate deviation
$0.1(\overline{AHMA} - BA)$	Adjustment for cow's herd genetic level
w_2	Weighting for sire's PD

where:

CI = The USDA-DHIA Cow Index Value for milk or fat;

1/2 = A factor that expresses the index in terms of a cow's transmitting ability;

w_1 = The computational weighting given to information on the cow as shown in table IV;

w_2 = The computational weighting given to information on the cow's sire's Predicted Difference as shown in table IV. If the cow's sire has not been summarized, zeros are used for w_2;

$\bar{C}$ = The adjusted average yield of a cow's 305-day, 2X, ME milk or fat;

$\overline{AHMA}$ = The sum of the adjusted herdmate average yields for milk or fat for all records divided by the number of records;

BA = The breed average as shown in table V;

0.1 = A regression coefficient that credits the cow with one-tenth of the difference between the breed average and the yield of her herdmates;

Sire's PD = The USDA-DHIA Predicted Difference of the cow's sire for milk or fat.

Without the factor 1/2 in the Cow Index Value formula, the index would give an estimate of breeding value. However, since on the average, one-half of an animal's breeding value is transmitted to an offspring, the factor 1/2 is included in the formula to express Cow Index Values in terms of transmitting ability.

The terms w_1 and w_2 (table IV) are factors that provide weights for the cow's data and her sire's Predicted Difference, respectively. Their derivation is presented on pages xiii to xv. They take into account the variances of the two sources of information as well as the covariance. These weights should not be confused with the degrees of relative emphasis shown in table III.

Table V, page viii, contains the breed averages used in calculation of the cow indexes. They are the same as those used in calculation of Predicted Differences published in the May 1973 USDA-DHIA Sire Summary List.

Table IV.--Computational factors used to weight cow's own production information (w_1) and the Predicted Difference (PD) of her sire (w_2) in the USDA-DHIA Cow Index Calculations 1/

Repeatability of sire's PD	Number of lactations available for the cow									
	1		2		3		4		5	
	Cow	Sire	Cow	Sire	Cow	Sire	Cow	Sire	Cow	Sire
%	w_1	w_2	w_1	w_2	w_1	w_2	w_1	w_2	w_1	w_2
00 2/	0.19	0	0.25	0	0.29	0	0.30	0	0.32	0
20	.18	.80	.24	.75	.28	.72	.29	.70	.31	.70
30	.18	.82	.24	.77	.27	.73	.29	.70	.30	.70
40	.17	.83	.23	.78	.26	.73	.28	.70	.30	.70
50	.17	.83	.23	.78	.26	.74	.28	.72	.29	.72
60	.17	.83	.22	.78	.25	.75	.27	.73	.28	.72
70	.16	.84	.22	.79	.25	.76	.27	.74	.28	.73
80	.16	.84	.21	.79	.24	.76	.26	.74	.27	.73
90	.15	.84	.21	.79	.24	.77	.25	.74	.27	.73
95	.15	.85	.21	.80	.23	.77	.25	.75	.26	.74

1/ USDA-DHIA Cow Index = 1/2 {w_1 [(cow's avg. - adj. herdmate avg.) +0.1 (adj. herdmate avg. minus breed avg.)] + w_2 (sire's PD)}

2/ These values are used if the cow's sire has never been summarized.

Table V.--Breed averages used for Cow Index Values on a 305-day, 2X, ME basis 1/

Breed	Milk	Fat	Fat
	Lb	%	Lb
Ayrshire	11,528	3.88	447
Guernsey	10,027	4.61	462
Holstein	14,392	3.61	519
Jersey	9,200	4.98	458
Brown Swiss	12,518	4.00	501
M. Shorthorn	10,308	3.70	381
Mixed Breed	14,288	3.58	512

1/ The breed averages were compiled from all lactation records of Official DHI and DHIR cows of each breed that calved in 1969 and 1970.

The term "$(\bar{C} - \overline{AHMA})$" expresses a cow's mean lactation yield for milk or fat as a deviation from her herdmates' adjusted mean yield. The term "$0.1(\overline{AHMA} - BA)$" regresses the adjusted herdmate deviation for the genetic level of the herd in which the cow and her herdmates were located. AHMA is the mean of the adjusted herdmate averages for each individual lactation calculated from the equation:

$$AHMA = RBYSA + \frac{NHM}{NHM + 1} (HMA - RBYSA)$$

where:

RBYSA = The regional-breed-year-season average yield of milk or fat;

NHM = The number of herdmates; and

HMA = The unadjusted herdmate average yield.

Cow Index Value for Fat Percent

The measure of a cow's transmitting ability for fat percent is the Cow Index Value for fat percent. This is the expected average deviation of a cow's progeny from their herdmates in breed average herds. It is computed as follows:

$$CI_{fat\ \%} = \frac{(\text{CI for fat} + \text{Breed avg fat}) \times 100}{\text{CI for milk} + \text{Breed avg milk}} - \text{Breed avg fat \%}.$$

Cow Index Value for Gross Income in Dollars

The Cow Index Value for gross income in dollars is an estimate of a cow's transmitting ability for gross income in relation to breed average based on the Cow Index Value for milk and fat. This value permits the direct comparison of individual cows to breed average gross income in the same manner as Cow Index Values allow comparison to breed averages for milk and fat. The Cow Index Values for gross income in dollars are based on 305-day, 2X, ME yield, the same as are the Cow Index Values for milk and fat.

Average 1972 U.S. prices for milk and fat were used to calculate the value of production for individual cows. 2/ The formula 3/ for computing the Cow Index Value for gross income in dollars for a specific cow is:

$$CI_{\$} = (CI_m) \times (M_{\$} - F_{\$} \times B) + (CI_f) \times (F_{\$})$$

where:

$CI_{\$}$ = The Cow Index Value for gross income in dollars;

CI_m = The Cow Index Value for milk in pounds;

CI_f = The Cow Index Value for fat in pounds;

$M_{\$}$ = The price paid for a unit of milk at the base test

= $0.059/lb 2/;

$F_{\$}$ = The fat differential, or the price paid for a unit of fat and other associated solids

= $0.82/lb 2/; and

B = The base test

= 0.035. 2/

Reliability of Cow Index Values

The reliability of a Cow Index Value is a function of the amount of information that is available on a cow and her paternal half-sisters. Reliability is expressed in terms of percent Repeatability, the same terminology that is used for the reliability of USDA-DHIA Predicted Differences on bulls. Repeatability values are shown in table VI for varying amounts of information on a cow and her paternal half-sisters.

2/ The average U.S. milk price for 1971 was $5.90/cwt for 3.5 percent milk, and the average milk fat differential was $0.082/0.1 percent/cwt. (Source: Dairy Situation, Economic Research Service, USDA, DS-344. March 1973.)

3/ Details of estimating transmitting ability of cows and bulls for economic merit are given in the January 1971 Dairy Herd Improvement Letter, ARS 44-223. Issued March 1971.

These values were obtained from the formula,

$w_1 + \frac{R(w_2)}{4}$, where w_1 and w_2 are the computational weighting factors shown in table IV, and R is the Repeatability of the sire's PD.

The Repeatability of a Cow Index Value is an indication of the precision with which the index estimates a cow's transmitting ability for milk or fat. Low Repeatabilities (around 20 to 25 percent) indicate that an individual cow's transmitting ability for milk and fat may in some cases be quite different from her index value. However, with a higher Repeatability (above 40 percent), it is more likely that the index value is an accurate estimate of transmitting ability.

Table VI.--Repeatability of Cow Index Values for varying amounts of information on a cow and her sire's Predicted Difference

Repeatability of sire's PD	Number of lactations for the cow				
	1	2	3	4	5
Percent	---------Percent Repeatability--------				
20	22	28	31	33	34
30	24	30	33	34	35
40	26	31	34	35	36
50	27	33	35	37	38
60	29	34	37	38	39
70	31	36	38	39	40
80	33	37	39	41	42
90	34	38	41	42	43
95	35	39	42	43	44

Interpretation of Cow Index Values

An important contribution can be made to the genetic improvement of yield and income in a herd if effective selection of cows is continually made. Cow Index Values should always

be considered if they are available, since they give a more accurate estimate of genetic transmitting ability than a cow's lactation yield or even her herdmate deviation.

The estimated breeding value of a calf can be calculated by adding the Predicted Difference of its sire and the Cow Index Value of its dam. This is possible, because both values are expressed in terms of transmitting ability (one-half breeding value). Therefore, Calf's Breeding Value = Sire's Predicted Difference + Dam's Cow Index Value.

Location of Breed Tables in this Publication

Each breed is listed in a separate table, numbered as follows:

Table	Page	Breed
1	1	Ayrshire
2	17	Guernsey
3	52	Holstein
4	263	Jersey
5	295	Brown Swiss
6	307	M. Shorthorn

Herd Code Numbers

The herd code numbers are shown in the format, State-DHI Association-Herd. The State code numbers are given in table VII, page xvi.

Termination Codes

A termination code is given for each cow in the list to indicate the condition under which the last lactation was terminated. The termination codes that may appear on records in this publication are shown in table VIII, page xvii. A blank in the termination code column indicates a normal record terminated by a dry date or 305 days of lactation. The nonblank termination codes will be letters A, B, or H, as defined in table VIII. The fact that these codes are letters indicates that the records on which they appear were incomplete and were projected to a 305-day basis.

Herd Owner Name and Address List

A list of the herd owners of cows in this publication is shown in table 7, beginning on page 311. This list includes names and addresses of all herd owners incorporated into the herd owner file before the May 1973 sire summary run. The herd owners can be cross-referenced to cows in the USDA-DHIA Cow Performance Index List by means of the herd code numbers.

Derivation of Cow Index Weights

Weights applied to mean deviated production of the n_1 records of the cow ($\bar{X}_1$) and n_2 paternal half-sibs ($\bar{X}_2$) result from selection index equations. These weights maximize the correlation between the cow's additive genotype, G, and the index, I, where $I = b_1\bar{X}_1 + b_2\bar{X}_2$. The two equations that must be solved simultaneously are:

$$b_1\ V(\bar{X}_1) + b_2\ Cov(\bar{X}_1,\bar{X}_2) = Cov(\bar{X}_1,G), \text{ and}$$

$$b_1\ Cov(\bar{X}_1,\bar{X}_2) + b_2\ V(\bar{X}_2) = Cov(\bar{X}_2,G).$$

Values for the variances (V) and covariances (Cov) are as follows:

$$V(\bar{X}_1) = V(X)\ \frac{1 + (n_1-1)r}{n_1};\ V(\bar{X}_2) = V(X)\ \frac{4 + (n_2-1)\ h^2}{4n_2};$$

$$Cov(\bar{X}_1,\bar{X}_2) = 1/4\ V(G);\ Cov(\bar{X}_1,G) = V(G), \text{ and } Cov(\bar{X}_2,G) = 1/4\ V(G),$$

where: h^2 = Heritability (0.19);

r = Within-sire repeatability of records (0.50);

V(X) = Phenotypic variance of individual records, and

V(G) = Additive genetic variance.

The $V(\bar{X}_2)$ assumes that each paternal half-sib has only one record and is in a different herd. Further, the genetic level of all herds involved is assumed the same. These assumptions are not likely to be met in practice, but the effect of discrepancies may be minimized if $\bar{X}_1$, $\bar{X}_2$, and n_2 are defined as follows:

$\bar{X}_1 = \bar{C} - \overline{AHMA} + 0.1\ (\overline{AHMA} - BA)$;

$\bar{X}_2 = PD/R$ where R = Repeatability of the sire's summary;

n_2 = Effective number of daughters = $20R/(1-R)$.

After substituting the above variances and covariances into the selection index equations and dividing each equation by V(G), we have

$$b_1 \frac{1 + (n_1 - 1)r}{n_1 h^2} + \frac{b_2}{4} = 1, \text{ and}$$

$$\frac{b_1}{4} + b_2 \frac{4 + (n_2 - 1)h^2}{4n_2 h^2} = \frac{1}{4}.$$

The solutions for b_1 and b_2 provide the selection index weights for $\bar{X}_1$ and $\bar{X}_2$. However, since $\bar{X}_2$ is calculated from PD, it is easier to use PD directly in the index. Hence, $I = w_1 \bar{X}_1 + w_2\ PD$ where $w_1 = b_1$, and $w_2 = b_2/R$. The breeding value of the cow is estimated by I which, when divided by two, is equivalent to the formula for CI given on page ix. The weights given in table IV are solutions for various combinations of n_1 and R. For example, we wish to know the Cow Index weights for a cow with three records whose sire's PD has a Repeatability of 0.6 or 60 percent. The effective number of daughters, n_2, is 30. The equations to be solved are

$$b_1 \frac{1 + (3-1)0.50}{3(.19)} + \frac{b_2}{4} = 1, \text{ and}$$

$$\frac{b_1}{4} + b_2 \frac{4 + (30-1)0.19}{4(30)0.19} = \frac{1}{4}.$$

Thus, $\frac{2}{0.57} b_1 + \frac{b_2}{4} = 1$, and $\frac{b_1}{4} + \frac{9.51}{22.80} b_2 = \frac{1}{4}$, or $3.51 b_1 + 0.25 b_2 = 1$, and $0.25b_1 + 0.42b_2 = 0.25$. The solutions are $b_1 = 0.25$, and $b_2 = 0.45$, so $w_1 = 0.25$, and $w_2 = 0.75$, as shown in table IV.

Table VII.--State codes and names

11	Maine	55	North Carolina
12	New Hampshire	56	South Carolina
13	Vermont	57	Georgia
14	Massachusetts	58	Florida
15	Rhode Island	61	Kentucky
16	Connecticut	63	Tennessee
21	New York	64	Alabama
22	New Jersey	65	Mississippi
23	Pennsylvania	71	Arkansas
31	Ohio	72	Louisiana
32	Indiana	73	Oklahoma
33	Illinois	74	Texas
34	Michigan	81	Montana
35	Wisconsin	82	Idaho
41	Minnesota	83	Wyoming
42	Iowa	84	Colorado
43	Missouri	85	New Mexico
45	North Dakota	86	Arizona
46	South Dakota	87	Utah
47	Nebraska	88	Nevada
48	Kansas	91	Washington
50	Delaware	92	Oregon
51	Maryland	93	California
52	Virginia	94	Puerto Rico
54	West Virginia	95	Hawaii
		96	Alaska

Table VIII.--Termination codes used for lactation records as they appear in the USDA-DHIA Cow Performance Index List

Code 1/		
Numeric	Alpha	Meaning
0	Blank	Normal lactation.
1	A	Lactation incomplete when terminated, cow remained in herd.
2	B	Sold for dairy purposes.
8	H	Record terminated by abortion.

1/ Computing centers submit the numeric codes. Alphabetic codes A, B, and H are created by USDA to indicate incomplete records for cows being indexed.

TABLE IX.--STATE EXTENSION DAIRYMEN ADVISING ON DAIRY CATTLE BREEDING PROGRAMS AS OF JANUARY 1, 1973.

ALABAMA---------R. S. JONES, JR., DAIRY SCIENCE DEPT., AUBURN UNIVERSITY, AUBURN 36830.

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TABLE 1. AYRSHIRE USDA-OHIA HIGH RANKING COWS.

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C O	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
11-12-C101	687326	117936	4-64	4	305	18,667	3.85	719	15	13,545	4.08	553	2-71		44	1,133	-.02	41	$ 68
11-12-C101	698726	117936	10-63	5	304	18,220	4.00	729	16	12,586	4.04	509	5-71		44	1,210	.02	49	77
11-12-C101	709585	117936	4-66	3	305	19,506	4.18	816	9	12,270	4.03	495	3-71		42	1,328	.04	57	87
11-12-C101	725010	117936	12-66	3	305	20,570	3.11	640	27	15,166	3.84	583	11-71		42	1,151	-.13	28	56
11-12-0101	725018	117936	3-67	3	305	20,233	3.80	768	26	16,940	3.69	625	3-72		42	928	.02	38	59
11-12-C101	725336	117706	7-67	2	305	22,470	3.86	868	43	15,885	3.81	605	11-71		39	815	-.03	28	48
11-12-C101	725778	117936	9-67	2	302	17,700	4.27	755	22	14,135	3.97	561	11-71		40	893	.06	42	61
11-12-0101	729773	117936	12-67	2	305	16,375	3.89	637	11	13,605	3.95	537	7-71		40	807	.01	32	51
11-12-0101	741275	117936	9-68	1	305	14,300	4.48	640	20	12,840	4.05	520	8-71		36	555	.05	31	45
11-12-C101	744188	117936	1-69	1	305	18,360	4.40	808	27	13,620	3.96	540	10-71		36	905	.06	42	62
11-12-C101	744189	117936	3-69	1	305	16,670	3.83	639	21	12,260	4.03	494	7-71		36	870	-.01	33	53
11-12-C101	744190	117936	5-69	1	305	16,310	4.22	688	27	13,620	3.96	540	10-71		36	752	.04	34	51
11-12-0101	745425	117936	1-69	1	305	15,840	4.31	682	20	12,840	4.05	520	8-71		36	770	.03	34	51
11-12-0101	745426	117936	2-69	1	305	16,020	3.94	631	20	12,840	4.05	520	8-71		36	783	.01	31	49
11-12-C101	753240	122242	9-69	1	305	26,300	3.85	1012	9	16,580	3.97	658	3-72		33	992	.00	39	62
11-12-C101	754888	117936	12-68	1	305	23,390	4.41	1032	22	14,540	3.94	573	11-71		36	1,218	.08	57	84
11-15-C078	695035	102091	6-65	4	305	14,003	4.16	583	45	10,855	4.04	438	10-71		42	582	.07	31	43
11-15-0078	702256	126011	4-66	1	289	19,010	3.53	672	45	12,320	4.04	498	2-72		31	923	-.09	25	45
11-15-0078	717533	117936	3-67	3	305	13,196	4.07	537	28	11,310	4.03	456	12-71		42	702	.01	29	45
11-15-0078	732701	117936	4-68	1	305	13,430	4.26	572	38	11,490	4.13	474	12-71		36	661	.02	29	44
11-15-C078	739464	117936	9-68	1	305	15,210	4.39	668	36	11,030	4.01	442	9-71		36	844	.05	39	56
11-15-C078	739465	117936	10-68	1	294	13,540	4.18	566	38	11,490	4.13	474	12-71		36	689	.02	29	45
11-15-C078	739469	117936	11-68	1	305	17,520	3.83	671	36	11,070	4.13	457	11-71		36	1,013	-.01	38	62
11-15-0078	745779	117936	2-69	1	305	21,640	3.84	831	38	11,490	4.13	474	12-71		36	1,292	-.01	49	79
11-15-C078	745781	117936	4-69	1	305	13,560	3.85	522	26	11,090	3.86	428	7-71		36	717	.01	29	40
11-15-C078	746834	117936	2-69	1	305	13,910	3.99	555	26	11,090	3.86	428	7-71		36	743	.02	31	43
11-15-C078	747113	117936	7-69	1	305	15,280	3.64	556	26	11,090	3.86	428	7-71		36	845	-.01	31	51
11-15-C078	753309	117936	11-69	1	305	13,280	4.19	556	38	11,490	4.13	474	12-71		36	669	.02	28	43
11-15-0078	754848	117936	6-68	1	305	21,570	3.87	834	35	11,860	4.07	483	1-72		36	1,262	-.01	48	76
11-15-0078	754849	117936	4-69	1	305	16,510	4.06	671	36	11,070	4.13	457	11-71		36	938	.01	38	6[illegible]
11-15-0078	756481	117936	6-69	1	305	13,040	3.95	515	36	11,070	4.13	457	11-71		36	680	.00	26	42
11-15-0078	758884	117936	6-67	2	305	13,820	3.99	552	24	10,945	4.04	442	1-71		40	790	.01	32	5
11-15-0161	741238	117936	2-67	1	282	13,420	3.94	529	5	10,320	4.06	419	12-71		36	758	.00	30	48
11-15-C161	762072	117936	11-68	1	305	13,580	3.72	505	5	10,330	3.94	407	10-71		36	770	-.01	29	47
11-15-C161	762073	117936	11-68	1	305	13,160	3.65	480	5	10,330	3.94	407	10-71		36	738	-.01	27	45
11-15-C161	762074	117936	1-69	1	304	12,930	3.98	515	5	10,320	4.06	419	12-71		36	722	.01	29	46
11-15-C161	762076	117936	4-69	1	305	14,310	3.89	556	5	10,330	3.94	407	10-71		36	824	.01	33	52
11-23-C010	702835	126011	6-65	3	302	16,050	3.44	552	27	11,343	3.94	447	7-71		38	919	-.10	23	47
11-23-C010	726162	126011	9-65	3	304	16,066	3.92	630	24	10,976	3.97	436	5-71		38	962	-.03	34	57
11-23-C010	732225	117936	3-68	1	305	13,420	4.23	567	28	10,760	3.94	424	8-71		36	729	.03	32	48
11-23-0010	742692	117936	9-68	1	305	12,430	4.05	503	13	10,760	3.98	428	1-71		36	655	.01	27	42
12-10-C104	697991	126011	11-65	3	305	15,043	3.61	543	13	11,266	3.87	436	12-70		38	304	-.07	23	43
12-10-0104	723190	117936	5-66	3	305	15,226	3.70	563	14	11,393	3.82	435	11-71		42	927	-.02	34	56
12-10-C104	727509	117936	9-67	2	305	14,300	3.62	518	14	10,665	3.75	400	11-71		40	864	-.01	32	52
12-11-0128	643128	122478	7-61	7	305	22,694	4.31	977	19	13,757	4.13	568	5-71		35	1,360	.07	62	92
12-11-0128	707212	117936	2-66	3	305	18,003	4.22	759	22	14,426	4.13	596	5-71		42	932	.03	40	61
12-11-C128	726670	117936	7-67	2	305	14,700	4.31	634	23	13,510	3.95	534	9-71		40	645	.06	32	46
12-11-C128	741852	117936	7-68	1	305	26,230	3.87	1014	16	14,770	4.16	614	4-71		36	1,414	-.01	53	85
12-11-C128	743793	117936	9-64	3	302	21,256	3.61	768	12	11,760	3.92	461	2-72		42	1,582	-.05	55	93
12-13-C117	707145	117936	6-66	3	305	15,493	3.49	540	24	12,833	3.81	489	7-71		42	808	-.04	26	46
12-13-0117	708030	117936	2-66	3	305	14,620	4.08	596	28	12,550	3.86	484	8-71		42	737	.04	33	49
12-13-C117	730542	117936	12-67	2	305	14,745	3.99	589	23	12,910	3.80	490	7-71		40	705	.03	31	47
12-13-0117	737719	117936	8-68	1	305	15,030	4.01	602	28	11,910	3.85	458	8-71		36	772	.02	33	5[illegible]
12-13-C117	741708	117936	9-68	1	305	15,510	4.08	633	28	11,910	3.85	458	8-71		36	807	.03	35	53
12-13-0117	748080	117936	6-69	1	305	13,240	4.21	557	27	11,720	3.84	450	9-71		36	651	.04	30	44
12-13-C147	733356	117936	11-67	2	294	15,890	3.77	599	17	11,995	3.73	448	9-71		40	904	.01	36	57
12-13-C147	742018	117936	11-68	1	305	18,390	3.46	636	28	12,160	3.78	460	10-71		36	1,005	-.03	35	59
12-13-C147	742019	117936	11-68	1	305	14,940	3.55	530	23	11,680	3.79	443	9-71		36	780	-.02	28	47
12-13-C147	753602	117936	8-69	1	305	17,500	3.55	622	20	13,130	3.75	492	1-72		36	874	-.02	32	53
12-13-C147	753628	117936	3-69	1	305	16,420	3.43	564	23	11,680	3.79	443	9-71		36	891	-.03	31	52
12-13-0169	667150	117936	4-63	6	305	14,720	3.49	514	15	11,820	3.72	440	8-71		44	847	-.03	29	49
12-13-C169	707672	117936	5-66	3	304	14,323	3.64	522	10	12,566	3.66	460	5-71		42	701	.00	27	43
12-13-C169	721370	117936	3-67	3	305	16,720	3.85	643	20	12,860	3.81	490	10-71		42	947	.01	38	5[illegible]
12-13-0169	721892	117936	3-67	2	305	17,220	3.42	589	10	12,505	3.68	460	4-71		40	993	-.04	34	56
12-13-C169	733400	117936	11-67	2	305	17,045	3.07	523	14	12,990	3.75	487	1-72		40	931	-.09	25	49
12-13-C169	741396	117936	1-69	1	305	14,500	3.54	513	17	12,140	3.75	455	9-71		36	717	-.01	26	43
12-13-C169	748995	117936	7-69	1	305	14,970	3.80	569	14	12,970	3.72	483	1-72		36	696	.01	28	44
12-13-C169	748999	117936	8-69	1	305	14,540	3.80	553	14	12,970	3.72	483	1-72		36	664	.01	27	42
12-13-0217	734763	129110	7-68	2	305	16,050	4.14	664	8	12,580	4.01	504	3-72		38	603	-.05	25	45
12-13-C217	741953	129110	2-69	1	305	16,750	3.83	641	14	11,490	4.07	468	10-71		34	870	-.09	22	44
12-14-C110	725746	117936	7-67	2	305	12,890	4.35	561	16	10,740	3.86	415	12-71		40	715	.06	35	5
12-14-C110	731929	117936	11-67	2	305	12,845	4.15	533	10	10,915	3.94	430	4-72		40	694	.03	31	40
12-14-0110	738881	129110	9-68	1	305	16,720	3.49	583	20	10,970	3.97	436	11-71		34	903	-.12	20	4[illegible]
12-14-C150	705006	117936	11-65	4	252	14,357	3.71	532	43	12,302	3.84	472	9-71	B	44	739	-.01	27	45
12-14-C150	706991	117936	2-66	3	305	15,823	4.25	673	39	12,483	3.89	486	10-70		42	862	.06	42	61
12-14-0150	709412	117936	4-66	3	305	19,230	3.65	702	18	13,736	3.83	526	2-71		42	1,145	-.03	41	68
12-14-0150	715568	117936	12-66	3	303	14,903	3.95	588	35	12,113	3.84	465	7-71		42	815	.02	34	53
12-14-0150	715575	117936	2-67	3	305	14,303	4.07	582	19	13,283	3.75	498	4-72		42	625	.05	30	44
12-14-C150	726406	117936	6-67	2	293	16,040	3.50	562	25	13,640	3.82	521	1-71		40	769	-.03	26	45
12-14-C150	726866	117936	7-67	3	305	16,700	3.96	661	40	12,676	3.81	483	12-71		42	963	.03	41	63
12-14-C150	728022	117936	9-67	3	297	18,006	3.72	669	21	13,760	3.79	522	1-72		42	1,001	-.01	38	61
12-14-0150	728025	117936	9-67	2	303	15,995	4.06	649	33	12,325	3.81	470	7-71		40	865	.04	39	59
12-14-C150	730132	117936	10-67	3	293	17,843	3.69	658	32	13,383	3.80	509	10-71		42	1,022	-.01	38	62
12-14-C150	730135	117936	10-67	3	293	14,856	3.92	582	15	13,213	3.81	503	4-72		42	696	.02	30	46
12-14-C150	732097	117936	12-67	2	297	14,980	3.97	594	35	12,315	3.79	467	8-71		40	783	.03	34	52

TABLE 1. AYRSHIRE USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C O	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
12-14-0150	733460	117936	1-68	2	305	14,525	3.89	565	30	12,300	3.81	469	7-71		40	738	.02	31	$ 46
12-14-0150	735873	117936	3-68	2	305	18,065	3.69	667	32	12,290	3.79	466	8-71		40	1,098	-.01	41	67
12-14-0150	736659	117936	4-68	2	305	16,555	3.61	597	27	12,630	3.79	479	12-71		40	914	-.02	33	55
12-14-0150	745085	117936	2-69	1	295	14,530	3.82	555	33	12,460	3.76	468	7-71		35	697	.01	28	44
12-14-0150	745684	117936	4-69	1	305	18,130	3.94	715	33	12,460	3.76	468	7-71		36	966	.02	40	62
12-14-0150	753357	117936	2-69	1	235	14,570	3.57	520	33	12,460	3.76	468	7-71	8	36	700	-.01	26	43
12-15-0104	726071	117936	1-67	3	292	13,313	4.03	537	30	11,846	4.04	479	9-71		42	660	.01	27	42
12-15-0104	731975	117936	6-67	2	295	15,315	4.15	636	28	12,290	3.96	487	9-71		40	819	.03	36	54
12-15-0104	731978	117936	7-67	2	295	17,810	3.87	689	35	12,705	4.08	518	3-71		40	1,034	-.01	39	63
12-15-0104	731988	117936	7-67	2	295	13,805	3.98	549	30	11,855	4.07	483	7-71		40	706	.01	28	44
12-15-0104	735923	117936	2-68	2	305	13,965	4.12	576	28	11,730	4.06	476	7-71		40	733	.02	31	48
12-15-0104	735925	117936	3-68	1	305	14,930	4.11	614	23	13,770	3.99	550	1-71		36	639	.02	27	42
12-15-0104	735926	117936	3-68	3	305	15,346	3.78	580	25	12,776	4.09	523	4-72		42	797	-.03	27	46
12-15-0104	735931	117936	6-68	1	305	14,880	4.14	616	27	11,980	4.01	480	7-71		36	756	.02	32	49
12-15-0104	735932	117936	6-68	1	97	15,080	4.11	620	23	13,770	3.99	550	1-71	B	36	651	.02	28	43
12-15-0104	735934	117936	7-68	1	305	16,670	3.85	641	23	13,770	3.99	550	1-71		36	769	-.01	29	47
12-15-0104	735936	117936	7-68	2	299	14,080	3.98	561	17	12,650	4.01	507	1-72		40	661	.01	27	42
12-15-0104	738850	117936	5-67	3	305	15,363	3.66	563	25	12,776	4.09	523	4-72		42	799	-.05	25	45
12-15-0104	741993	117936	12-68	2	300	14,795	4.18	619	17	12,520	4.05	507	2-72		40	745	.03	33	5[illegible]
12-15-0104	749675	117936	4-69	1	305	15,500	3.70	574	16	12,600	3.89	490	12-71		36	760	-.01	28	46
12-15-0104	755131	117936	3-69	1	305	14,480	3.85	557	26	12,110	3.93	476	8-71		36	717	.00	28	45
12-15-0126	691137	117936	7-64	3	233	14,786	3.96	585	11	12,180	3.79	462	4-71		42	795	.03	34	52
12-15-0126	741559	117936	10-68	1	252	13,060	3.91	510	16	10,640	3.63	386	6-71	8	36	710	.03	31	47
12-15-0126	743803	117936	11-66	3	294	17,230	3.65	629	17	12,233	3.87	474	3-71		42	1,070	-.03	38	64
12-15-0127	650301	119306	3-62	7	305	16,831	4.18	704	11	12,091	4.04	489	2-71		36	748	.07	37	53
12-15-0127	709748	117936	9-66	3	302	16,566	3.89	645	12	12,663	3.99	505	12-71		42	949	.00	37	59
12-15-0127	717925	117936	5-67	3	305	15,390	4.17	642	15	12,493	4.01	501	10-71		42	832	.04	37	56
12-15-0127	735217	117936	4-68	2	305	13,560	4.42	600	19	12,350	4.04	499	10-71		40	635	.06	32	45
12-15-0127	735221	117936	8-68	2	305	14,530	4.10	596	10	13,085	4.09	535	1-72		40	667	.02	28	43
12-15-0127	736524	117936	8-68	2	304	15,155	3.97	602	11	12,930	4.06	525	2-72		40	744	.00	29	46
12-15-0127	739751	117936	12-68	2	291	14,675	4.07	597	7	13,295	3.95	525	3-72		40	662	.03	29	44
12-15-0127	739753	117936	1-69	2	305	14,580	4.14	603	8	13,015	3.95	514	3-72		40	678	.03	30	45
12-15-0127	748277	117936	8-69	1	305	17,330	4.40	763	16	12,460	3.97	495	9-71		36	906	.06	42	62
12-15-0193	739049	117936	10-68	2	218	13,270	3.44	456	6	11,095	3.82	424	11-71	B	40	721	-.03	24	42
12-17-0130	670680	116628	9-63	6	303	19,317	3.80	735	5	15,098	3.86	583	6-71		43	872	-.01	33	53
12-18-0168	708778	117936	8-66	4	305	15,885	3.49	555	6	13,125	3.95	519	10-71		44	836	-.06	25	46
12-18-0168	713791	117936	9-66	3	295	15,573	4.18	651	7	14,063	3.93	553	6-71		42	690	.04	32	47
12-18-0168	723456	117936	11-66	3	285	16,510	3.85	635	7	13,523	3.95	534	10-71		42	854	-.01	32	52
12-18-0168	726769	117936	8-66	3	305	18,976	3.84	728	5	13,226	3.94	521	6-71		42	1,168	-.01	44	71
12-18-0168	732995	117936	11-67	2	305	17,730	3.37	598	11	13,450	4.01	539	7-71		40	958	-.07	28	52
12-18-0168	742648	117936	2-69	1	305	17,170	3.79	650	7	12,710	3.93	500	4-71		36	877	-.01	33	54
12-18-0168	763057	117936	3-69	1	305	17,100	3.75	641	12	13,000	3.98	517	7-71		36	853	-.01	32	52
13-01-0212	672552	117936	11-63	6	298	16,765	3.45	579	17	14,265	3.59	512	12-71		44	827	-.02	29	49
13-01-0212	680759	117936	10-63	6	305	17,948	3.91	702	22	14,213	3.67	522	2-72		44	966	.05	44	65
13-01-0212	680760	117936	2-64	6	299	17,898	3.63	649	24	14,331	3.67	526	12-71		44	966	-.01	36	59
13-01-0212	695782	117936	4-65	5	305	17,980	3.88	697	23	14,644	3.67	538	1-72		44	940	.04	41	62
13-01-0212	709862	117936	5-66	4	303	17,065	3.80	648	19	14,435	3.68	531	8-71		44	836	.02	35	54
13-01-0212	723372	117936	7-66	3	305	17,870	3.50	626	13	15,030	3.61	542	7-71		42	854	-.02	31	51
13-01-0212	723375	117936	4-67	3	299	16,776	4.41	739	18	15,183	3.65	554	3-72		42	713	.12	42	56
13-01-0212	729674	117936	9-67	3	302	17,356	3.42	594	22	15,520	3.62	562	2-72		42	744	-.03	25	43
13-01-0212	732075	117936	12-67	2	303	16,835	3.66	617	14	14,955	3.68	551	6-71		40	730	.01	29	46
13-01-0212	737121	117936	5-68	2	305	16,380	3.57	585	14	14,190	3.71	526	8-71		40	754	-.01	28	46
13-01-0212	737123	117936	5-68	2	300	17,175	3.78	650	14	14,455	3.71	536	7-71		40	810	.01	33	52
13-01-0212	740570	117936	9-68	1	305	16,940	4.10	695	20	15,850	3.63	576	4-71		36	650	.06	32	46
13-01-0212	749542	117936	10-69	1	305	19,780	3.41	674	26	14,940	3.79	566	1-72		36	922	-.04	31	53
13-01-0212	751695	129110	8-69	1	305	20,670	3.49	721	27	14,670	3.78	555	11-71		34	951	-.12	22	47
13-01-0212	752861	117936	9-69	1	295	17,310	3.84	665	23	14,850	3.74	556	12-71		36	744	.02	31	48
13-01-0212	755831	117936	12-69	1	305	20,000	3.49	697	14	14,720	3.84	565	3-72		36	953	-.04	32	55
13-01-0274	729441	117936	5-67	2	305	15,985	3.67	586	11	11,215	3.91	438	3-71		40	985	-.02	36	59
13-01-0274	729443	117936	9-67	2	305	12,070	4.20	507	10	10,180	3.98	405	2-72		40	682	.04	31	46
13-01-0274	730618	117936	10-67	3	304	12,710	3.90	496	15	10,303	4.03	415	10-71		42	750	.00	29	47
13-01-0274	742038	117936	3-68	2	288	13,195	3.80	501	16	10,390	3.87	402	7-71		40	777	.00	30	48
13-01-0274	743342	117936	1-68	2	305	13,195	3.93	519	14	10,290	3.99	411	12-71		40	787	.00	31	49
13-01-0365	718125	117936	3-67	3	298	15,370	3.92	602	13	12,986	3.77	490	11-71		42	778	.02	33	51
13-01-0395	742361	117936	12-68	1	305	14,480	3.98	576	13	12,250	4.14	507	6-71		36	708	.00	27	44
13-01-0398	750426	117936	12-68	1	305	15,220	3.37	513	6	12,630	3.85	486	7-71		36	737	-.04	24	42
13-01-0398	750428	117936	12-68	1	293	13,350	4.06	542	9	11,880	4.00	475	10-71		36	648	.02	27	42
13-01-0398	761753	117936	3-69	1	305	15,630	3.52	550	9	11,860	4.00	474	9-71		36	820	-.03	28	43
13-01-0418	665385	117936	3-63	6	299	15,815	3.71	587	14	11,540	3.90	450	12-71		44	1,021	-.02	37	61
13-01-0418	669223	117936	8-63	6	301	13,311	4.03	537	25	10,915	3.87	422	12-70		44	770	.03	34	5[illegible]
13-01-0418	685333	117936	10-64	6	294	14,393	3.81	549	16	11,965	3.88	464	3-72		44	788	.00	30	46
13-01-0418	694382	117936	1-65	4	305	15,080	3.62	546	16	10,760	3.86	415	9-70		44	1,000	-.03	35	59
13-01-0418	696899	117936	9-65	4	285	14,422	4.03	581	18	12,067	3.85	465	2-71	8	44	773	.03	34	51
13-01-0418	712974	117936	12-66	4	293	13,597	4.05	550	18	11,967	3.93	470	1-72		44	683	.03	30	45
13-01-0418	712975	117936	12-66	4	304	17,252	3.79	654	12	12,342	3.86	477	3-72		44	1,092	.00	42	63
13-01-0418	734022	117936	6-68	2	290	14,700	4.00	588	20	12,715	4.00	509	11-71		40	718	.01	29	46
13-01-0418	749024	117936	9-69	1	305	20,120	3.60	724	19	13,090	4.04	529	11-71		36	1,072	-.04	37	63
13-01-0542	724732	117936	10-66	2	305	12,220	3.73	456	8	9,815	4.09	401	3-71		40	731	-.02	26	43
13-01-0543	670458	117936	11-62	6	263	12,791	3.99	511	5	11,011	4.13	455	1-71	8	44	692	.00	27	43
13-02-0012	652214	117936	7-62	8	298	15,187	3.77	573	24	12,485	4.11	513	10-71		44	830	-.03	28	48
13-02-0012	662751	117936	4-63	7	287	16,160	4.33	699	14	12,970	4.14	537	12-71		44	899	.05	41	61
13-02-0012	680613	117936	6-64	6	301	14,523	4.06	590	17	12,848	4.16	534	3-72		44	702	.01	28	44
13-02-0012	696822	117936	7-65	4	293	13,682	4.15	568	17	12,050	4.18	504	7-71		44	684	.01	28	44
13-02-0012	696825	117936	9-65	4	303	17,877	4.00	715	22	12,670	4.14	525	5-71		44	1,133	.00	44	70
13-02-0012	709981	117936	9-66	3	300	16,773	3.91	656	15	13,176	4.17	549	3-72		42	920	-.02	33	55

TABLE 1. AYRSHIRE USDA-OHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C O	REPT (%)	.......C O W MILK (LB)	I N D E X....... FAT (%)	FAT (LB)	DOL-LARS
13-02-0012	721238	117936	4-66	4	301	14,260	4.28	610	15	12,970	4.20	545	2-72		44	653	.03	29	$ 44
13-02-0012	721242 --	117936	5-66	4	302	18,340	4.21	773	18	12,692	4.22	535	11-71		44	1,188	.03	50	77
13-02-0012	723853	117936	1-67	2	305	17,925	3.91	700	17	12,675	4.02	510	5-71		40	1,049	.00	41	65
13-02-0012	723854	117936	1-67	3	293	14,953	4.34	649	17	13,006	4.15	540	1-72	H	42	728	.04	33	49
13-02-0012	723856	117936	3-67	3	298	17,266	4.09	706	14	12,663	4.18	529	12-71		42	1,030	.01	41	65
13-02-0012	723857	117936	4-67	3	289	15,423	4.27	659	21	12,826	4.15	532	2-72		42	801	.03	35	53
13-02-0012	730138	117936	8-67	2	296	17,620	4.19	739	19	12,445	4.06	505	5-71		40	1,039	.04	45	68
13-02-0012	730142	117936	2-68	2	305	12,995	4.10	533	16	11,175	4.03	450	6-71		40	685	.02	29	45
13-02-0012	734871	117936	4-68	1	300	14,380	4.00	575	25	12,380	3.98	493	4-71		36	692	.01	28	44
13-02-0012	734873	117936	6-68	2	290	16,935	4.20	711	16	12,305	4.23	520	12-71		40	982	.02	41	63
13-02-0012	738259	117936	8-68	2	305	16,475	4.22	696	20	12,925	4.17	539	2-72		40	879	.03	38	58
13-02-0012	744415	117936	5-67	3	301	17,120	4.26	730	17	12,990	4.17	542	2-72		42	979	.04	43	65
13-02-0012	755125	117936	4-69	1	305	15,150	4.37	662	22	10,910	4.39	479	11-71		36	848	.03	36	55
13-02-0012	755128	117936	6-69	1	300	14,420	4.36	628	25	11,980	4.32	517	2-72		36	721	.02	31	47
13-02-0012	755131	117936	7-69	1	289	14,700	4.26	626	21	11,360	4.33	492	12-71	H	36	784	.01	32	5[illegible]
13-02-0015	670290	117936	3-63	1	288	12,680	4.38	555	6	11,490	4.00	460	3-72		36	625	.04	29	43
13-02-0015	730284	117936	4-67	1	305	12,260	4.38	537	5	10,950	4.02	440	4-72		36	630	.04	29	43
13-02-0015	770958	117936	6-69	1	305	15,210	4.08	620	6	11,490	4.00	460	3-72		36	813	.02	34	53
13-02-0089	694992	117936	12-63	5	300	12,936	4.63	599	6	11,212	3.97	445	5-71		44	688	.10	39	53
13-02-0089	702309	117936	10-65	5	299	15,180	4.40	668	5	12,178	4.06	494	2-72		44	865	.07	42	61
13-02-0099	697280	117936	8-65	4	297	17,352	3.88	673	9	13,220	4.04	534	10-71		44	1,007	-.01	38	62
13-02-0099	706510	117936	4-66	3	294	17,033	3.64	620	9	13,160	3.97	523	9-71		42	952	-.04	32	55
13-02-0099	706512	117936	6-66	3	290	15,830	4.04	640	8	13,173	4.02	529	10-71		42	812	.02	34	52
13-02-0099	713789	117936	8-66	3	305	19,300	3.58	691	8	13,353	3.99	533	10-71		42	1,192	-.06	39	68
13-02-0099	715231	117936	10-66	3	301	15,910	3.96	630	8	13,210	3.98	526	8-71		42	817	.01	33	52
13-02-0099	715232	117936	11-66	3	305	18,116	4.48	811	9	13,263	4.00	531	10-71		42	1,065	.09	53	76
13-02-0099	723464	117936	7-67	2	297	16,920	4.08	691	10	13,285	3.95	525	9-71		40	891	.03	38	58
13-02-0099	723465	117936	8-67	2	295	17,000	4.27	726	10	13,330	3.98	531	10-71		40	895	.05	41	61
13-02-0105	662557	117936	3-63	6	297	12,123	3.80	461	20	9,356	4.19	392	7-71		44	798	-.02	28	47
13-02-0105	663825	117936	5-63	6	305	12,145	4.25	516	20	9,760	4.18	408	3-71		44	754	.03	33	5[illegible]
13-02-0105	684534	117936	7-64	6	305	12,125	4.16	505	15	10,006	4.06	406	3-72		44	723	.03	32	48
13-02-0105	725999	117936	7-67	1	305	12,010	4.20	504	23	9,090	4.27	388	9-71		36	735	.01	30	47
13-02-0105	726014	117936	9-67	1	305	15,080	3.99	601	25	10,160	4.18	425	9-70		36	893	.00	35	56
13-02-0105	740885	117936	10-68	1	305	13,020	4.02	523	25	9,590	4.22	405	11-71		36	777	.00	30	48
13-04-0501	698227	117936	9-65	4	305	17,175	4.15	713	16	13,042	3.90	508	11-71		44	1,005	.05	45	67
13-04-0501	724893	117936	9-67	2	305	17,020	3.51	598	7	12,515	3.73	467	9-71		40	972	-.03	34	57
13-04-0501	732985	117936	4-68	2	300	18,540	3.19	592	8	12,890	3.79	489	7-71		40	1,092	-.08	32	59
13-04-0501	736887	117936	6-68	2	305	16,240	3.50	568	8	12,790	3.75	479	8-71		40	867	-.03	30	51
13-04-0501	736888	117936	7-68	2	305	17,355	3.61	626	9	13,690	3.76	515	11-71		40	898	-.01	33	54
13-06-0130	659671	117936	1-63	5	302	15,092	4.28	646	10	11,814	4.03	476	12-70		44	896	.06	42	62
13-06-0130	677410	117936	9-63	3	298	15,440	3.99	616	9	11,800	3.89	459	10-71		42	909	.02	38	59
13-06-0130	697914	117936	6-65	4	302	15,772	4.06	641	8	12,332	4.01	494	6-71		44	911	.02	38	59
13-06-0130	697920	117936	12-65	4	299	15,127	3.80	575	8	10,815	4.02	435	11-71		44	1,000	-.02	36	6[illegible]
13-06-0130	708356	117936	12-65	4	296	13,540	4.36	590	8	12,402	3.85	478	3-72		44	627	.08	34	47
13-06-0130	715317	117936	11-66	3	276	14,530	3.61	525	9	12,536	3.88	487	5-71		42	728	-.03	25	43
13-06-0130	715318	117936	12-66	3	305	16,720	3.95	661	8	10,613	4.01	426	11-71		42	1,179	.01	47	74
13-06-0130	721719	117936	3-67	3	283	13,436	4.06	545	8	11,386	3.99	454	3-72		42	722	.02	3[illegible]	4[illegible]
13-06-0130	730347	117936	7-67	3	303	15,180	3.90	592	9	12,146	3.98	484	11-71		42	843	.00	33	53
13-06-0130	730350	117936	1-68	2	298	16,650	3.68	612	8	11,255	4.05	456	9-71		40	1,049	-.03	37	62
13-06-0130	737961	117936	7-68	2	305	14,410	4.04	582	10	11,175	4.00	447	10-71		40	829	.02	35	54
13-06-0130	745597	117936	2-69	1	305	14,690	3.83	563	6	11,410	4.00	456	9-71		36	780	.00	30	45
13-06-0130	754282	117936	9-69	1	305	12,770	4.30	549	8	10,380	3.88	403	12-71		36	706	.04	32	46
13-06-0219	644487	117936	12-61	7	301	13,551	4.19	568	7	10,368	3.94	409	8-71		44	865	.04	39	58
13-06-0219	677247	117936	11-63	5	303	13,430	3.95	530	6	10,220	3.94	403	6-71		44	867	.01	35	55
13-06-0219	716128	117936	4-66	4	292	12,675	3.82	484	11	10,797	3.87	418	5-71		44	699	.00	27	43
13-06-0219	716129	117936	4-66	4	298	12,475	4.15	518	14	11,097	3.90	433	1-72		44	641	.04	30	44
13-06-0219	731805	117936	5-67	2	286	12,515	4.06	508	15	11,340	3.82	433	8-71		40	622	.03	28	42
13-06-0219	731806	117936	7-67	1	305	18,170	3.87	703	10	11,710	3.89	455	1-71		36	1,019	.00	40	64
13-06-0219	731807	117936	9-67	3	278	15,273	4.30	657	8	11,973	3.83	458	4-72		42	872	.07	43	62
13-06-0219	744048	117936	9-68	2	292	17,570	4.20	738	12	11,540	3.87	447	1-72		40	1,116	.05	50	75
13-06-0219	756004	117936	2-69	1	305	12,280	4.01	492	13	11,020	3.71	409	7-71		36	626	.03	28	4[illegible]
13-06-0219	756010	117936	10-68	1	283	13,390	4.02	538	13	11,020	3.71	409	7-71		36	709	.03	31	47
13-06-0219	759767	117936	9-69	1	305	14,830	3.94	584	17	11,680	3.91	457	11-71		36	772	.01	31	4[illegible]
13-06-0219	759779	117936	9-69	1	305	13,660	4.34	593	23	11,060	3.81	421	10-71		36	727	.05	34	5[illegible]
13-09-0106	726249	117936	3-67	2	230	13,045	3.86	504	49	11,650	3.84	447	6-71	B	40	647	.02	27	42
13-09-0106	732826	117936	8-67	1	305	16,460	3.98	655	62	12,540	3.90	489	9-70		36	836	.01	34	53
13-09-0106	732836	117936	2-68	1	305	19,810	3.98	789	58	12,750	3.87	493	10-70		36	1,071	.02	44	69
13-09-0106	732839	117936	3-68	1	305	16,650	3.62	602	32	13,450	3.84	517	12-70		36	789	-.01	29	4[illegible]
13-09-0106	747023	117936	8-68	1	211	14,060	3.87	544	26	12,140	3.80	461	4-71	B	36	684	.01	28	44
13-09-0106	747024	117936	8-68	1	243	16,280	3.62	590	25	12,520	3.81	477	3-71	B	36	824	-.02	30	5[illegible]
13-09-0106	747026	117936	8-68	1	305	18,180	3.94	717	32	13,450	3.84	517	12-70		36	903	.02	37	[illegible]
13-09-0106	747027	117936	8-68	1	218	14,980	3.66	548	26	12,140	3.80	461	4-71	B	36	752	-.01	28	45
13-09-0106	747030	117936	9-68	1	59	12,100	3.99	483	32	10,270	3.66	376	9-71	B	36	663	.03	29	44
13-09-0106	747039	117936	10-68	1	224	14,120	3.72	525	26	12,140	3.80	461	4-71	B	36	688	.00	27	43
13-09-0106	747044	117936	11-68	1	242	15,240	3.76	573	25	12,520	3.81	477	3-71	B	36	746	.00	29	46
13-09-0106	747437	117936	9-67	1	305	15,720	4.00	629	62	12,540	3.90	489	9-70		36	781	.02	33	51
13-09-0252	722406	117936	1-66	3	304	16,926	4.14	700	26	13,256	3.81	505	4-71		42	929	.06	43	63
13-09-0252	723694	117936	6-67	3	305	18,063	3.54	640	30	14,270	3.69	526	11-71		42	955	-.02	34	57
13-09-0322	697449	117936	8-65	2	305	16,735	4.08	682	33	11,450	3.90	446	9-71		40	1,040	.04	45	66
13-09-0322	710076	117936	4-66	2	300	14,345	3.97	569	36	11,420	3.91	446	10-71		40	800	.02	33	51
13-09-0322	732840	117936	3-68	2	305	13,645	3.96	541	24	11,310	3.85	436	8-71		40	739	.02	31	48
13-09-0322	733330	117936	3-68	2	305	16,310	3.48	568	34	12,015	3.90	468	1-72		40	945	-.05	31	54
13-09-0322	734516	117936	3-68	2	305	16,975	4.10	696	34	11,900	3.89	463	12-71		40	1,023	.04	45	68
13-09-0322	745985	117936	1-69	1	305	12,170	4.24	516	13	10,760	4.05	436	5-71		36	636	.03	28	42
13-09-0322	745986	117936	1-69	1	305	13,820	3.98	550	20	11,140	3.82	426	2-71		36	733	.02	31	48

TABLE 1. AYRSHIRE USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVO MO-YR	T C O	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
13-09-0322	745987	117936	3-69	1	305	15,670	3.99	625	19	11,710	3.91	458	6-71		36	833	.01	34	$ 53
13-09-0322	746001	117936	2-69	2	305	14,470	4.34	628	18	11,950	3.85	460	2-72		40	764	.07	38	54
13-09-0322	751733	117936	8-69	1	305	16,640	3.76	625	27	11,980	3.94	472	11-71		36	887	-.01	33	54
13-09-0427	665933	117936	3-63	7	302	17,444	3.94	688	21	13,248	3.81	505	9-71		44	1,033	.03	44	67
13-09-0427	665934	117936	3-63	7	293	16,422	3.96	651	22	13,362	3.82	511	10-71		44	888	.03	38	58
13-09-0427	690928	117936	2-65	5	302	18,002	3.87	696	22	13,816	3.84	530	3-72		44	1,039	.01	42	66
13-09-0427	714724	117936	9-66	3	305	16,073	4.38	704	19	14,140	3.83	542	11-71		42	740	.09	40	55
13-09-0427	721371	117936	6-67	2	305	17,615	3.54	624	19	13,515	3.88	524	8-71		40	941	-.04	32	55
13-09-0427	721374	117936	2-67	3	302	19,583	3.38	662	18	13,786	3.91	539	7-71		42	1,180	-.08	35	64
13-09-0427	727249	117936	10-67	2	296	18,195	3.95	718	19	13,495	3.91	527	7-71		40	1,001	.02	41	64
13-09-0427	731966	117936	7-67	2	300	16,495	3.78	624	16	14,515	4.01	582	6-71		40	736	-.02	26	44
13-09-0427	735346	117936	6-68	2	296	15,250	3.99	608	19	13,600	3.83	521	9-71		40	693	.03	30	46
13-09-0427	736000	117936	8-68	2	305	18,705	3.27	612	15	14,490	3.80	551	12-71		40	962	-.07	28	52
13-09-0427	738242	117936	11-68	1	300	17,890	3.60	644	18	13,680	3.97	543	8-71		36	866	-.03	30	51
13-09-0427	738251	117936	12-68	2	299	21,565	3.88	836	10	15,195	3.85	585	12-71		40	1,188	.02	48	75
13-09-0427	747459	117936	6-69	1	305	20,460	3.70	756	18	13,680	3.97	543	8-71		36	1,057	-.02	38	63
13-09-0427	747460	117936	7-69	1	305	18,400	3.58	659	18	13,860	3.88	538	9-71		36	892	-.02	32	53
13-09-0736	708251	117936	7-66	3	298	14,956	3.74	559	10	11,566	3.93	455	10-71		42	878	-.02	32	53
13-09-0736	721383	117936	9-66	3	295	13,813	3.82	528	12	11,953	3.95	472	8-71		42	706	.00	27	44
13-09-0736	735549	117936	12-67	2	305	16,400	3.72	610	16	11,435	3.98	455	1-72		40	1,007	-.02	37	61
13-09-0736	735594	117936	9-66	3	293	16,696	3.79	633	16	11,530	3.99	460	11-71		42	1,081	-.02	40	66
13-09-0736	750838	117936	10-68	2	200	14,840	3.73	553	11	12,840	3.99	512	12-71		40	721	-.02	26	43
13-09-0736	750843	117936	11-68	1	305	13,630	3.93	535	14	11,790	4.00	472	2-72		36	675	.01	27	43
13-09-0736	764114	117936	4-69	1	305	16,620	3.95	656	17	11,730	4.00	469	1-72		36	902	.01	36	57
13-11-0101	685348	117936	11-64	4	282	13,857	4.19	581	14	11,997	4.08	489	8-70	8	44	711	.03	31	47
13-11-0101	700313	117936	11-65	3	249	14,090	4.27	601	8	11,743	4.10	481	10-70	8	42	760	.04	34	51
13-11-0217	659211	117936	10-62	6	302	14,600	4.21	615	5	11,981	3.99	478	7-71		44	813	.04	37	55
13-11-0217	673145	117936	9-63	5	301	14,792	4.04	598	7	11,990	3.97	476	6-71		44	837	.03	36	55
13-11-0217	673149	117936	12-63	5	301	12,988	4.33	562	6	11,832	4.01	475	6-71		44	622	.06	31	44
13-11-0217	699923	117936	11-65	4	305	17,122	3.85	659	8	12,222	3.93	480	4-72		44	1,090	.00	42	67
13-11-0217	748560	117936	11-68	1	305	15,890	3.54	562	7	11,920	4.08	486	9-71		36	835	-.04	28	43
13-11-0504	635535	117936	12-59	4	305	13,147	4.43	582	6	10,600	3.92	415	11-71		44	779	.08	40	56
13-11-0504	723663	117936	5-67	1	305	14,850	3.47	516	6	12,080	3.82	461	2-72		36	747	-.02	26	44
13-12-0007	715482	117936	6-66	3	298	14,743	3.81	562	15	11,143	3.74	417	1-72		42	897	.01	36	57
13-12-0007	741367	117936	2-69	1	305	13,650	3.73	509	16	10,660	3.85	410	12-71		36	753	.01	29	47
13-12-0007	743169	117936	2-69	1	305	12,830	3.77	484	21	10,900	3.78	412	8-71		36	675	.01	27	43
13-12-0007	762534	117936	7-69	1	305	13,220	3.89	514	21	10,870	3.80	413	11-71		36	706	.01	29	45
13-12-0174	721215	117936	5-67	3	304	16,776	3.74	628	26	12,116	3.80	461	1-72		42	1,030	-.01	39	63
13-12-0174	726601	117936	5-67	3	303	14,346	3.79	543	39	12,416	3.78	469	9-71		42	720	.01	29	45
13-12-0174	727151	127038	9-67	2	305	19,840	3.51	697	17	12,830	3.68	472	2-71		29	957	-.06	30	54
13-12-0174	750717	117936	8-69	1	305	14,740	3.69	544	31	12,640	3.80	480	8-71		36	701	.00	27	43
13-14-0133	755728	117936	6-69	1	305	12,690	3.98	505	6	11,420	3.69	421	8-71		36	630	.03	26	42
13-14-0171	747104	117936	12-68	1	305	14,750	4.17	615	24	12,340	3.95	487	7-71		36	722	.03	32	46
13-14-0180	709444	117936	10-65	4	294	14,895	4.03	601	8	11,912	3.99	475	8-71		44	849	.02	35	54
13-14-0180	735877	117936	9-68	1	304	13,450	4.28	575	17	12,270	3.84	471	11-71		36	630	.05	30	44
13-14-0180	744288	117936	1-69	1	305	14,850	3.46	514	19	12,590	3.79	477	1-72		36	713	-.02	25	42
13-14-0180	746881	117936	6-69	1	305	14,520	3.88	563	15	11,940	3.95	472	10-71		36	732	.01	29	46
13-14-0180	749667	117936	6-69	1	305	16,320	3.25	531	17	12,270	3.84	471	11-71		36	844	-.05	26	47
13-14-0180	749669	117936	6-69	1	305	15,850	3.71	588	17	12,270	3.84	471	11-71		36	809	.00	31	5[illegible]
14-10-0001	710369	117936	12-63	6	302	15,370	3.72	571	20	11,240	3.97	446	4-72		44	998	-.02	36	6[illegible]
14-10-0001	713898	117936	8-66	3	303	16,410	3.81	626	19	11,330	4.05	459	9-71		42	1,069	-.02	39	64
14-10-0001	732921	117936	8-67	2	305	16,845	3.72	626	18	11,795	3.98	469	8-71		40	1,020	-.02	37	61
14-12-0001	712744	117936	10-66	4	305	16,087	3.93	632	31	12,547	3.93	493	1-72		44	926	.01	37	58
14-12-0001	715558	117936	2-67	3	295	15,156	4.20	637	25	12,773	3.92	501	11-71		42	776	.05	36	53
14-12-0001	719755	117936	4-67	3	305	16,840	4.09	688	25	12,750	3.93	501	10-71		42	972	.03	42	64
14-12-0001	726902	117936	12-66	3	297	16,400	4.04	663	31	12,940	3.89	504	11-71		42	901	.03	39	59
14-12-0001	725912	117936	10-67	2	305	16,795	3.75	629	31	12,855	3.81	490	11-71		40	918	.00	35	57
14-12-0001	726913	117936	10-67	2	305	16,430	3.74	615	31	13,110	3.95	518	12-70		40	857	-.02	31	51
14-12-0001	733272	117936	12-67	2	303	15,585	3.47	541	27	12,670	3.81	483	9-71		40	812	-.04	27	47
14-12-0001	739663	117936	8-68	1	305	15,330	4.32	663	28	13,210	3.85	509	1-71		36	707	.05	34	49
14-12-0001	739665	117936	8-68	1	305	14,870	3.44	512	21	12,790	3.69	472	8-71		36	701	-.02	25	42
14-12-0069	744534	117936	4-69	1	305	18,300	4.01	733	9	12,490	3.92	490	12-71		36	976	.02	40	62
14-12-0069	764341	117936	7-69	1	305	21,820	3.43	748	10	12,520	3.94	493	1-72		36	1,237	-.05	41	71
14-12-0202	637696	117936	8-61	6	297	12,928	3.67	475	23	9,853	3.93	387	4-71		44	844	-.02	30	5[illegible]
14-12-0202	701471	117936	11-65	3	305	12,690	4.08	518	19	9,986	3.92	391	1-72		42	781	.03	34	52
14-12-0202	701472	117936	12-65	3	305	14,723	3.85	567	7	11,483	4.05	465	11-71		42	659	-.01	32	52
14-12-0202	706238	117936	4-66	4	305	14,252	4.10	584	13	10,412	3.87	403	4-72		44	936	.04	41	62
14-12-0202	713656	117936	1-67	3	293	12,133	3.86	468	23	9,876	3.94	389	12-71		42	728	.00	28	45
14-12-0202	745679	117936	12-68	1	305	13,460	3.57	481	23	9,640	3.87	373	10-71		36	807	-.02	29	48
14-12-0217	666355	122367	8-63	6	287	13,948	4.12	574	15	9,752	3.85	375	4-71		37	591	.05	29	42
14-12-0217	667972	117936	5-63	6	305	12,775	3.85	492	13	9,675	3.88	375	10-71		44	845	.00	33	53
14-12-0321	730369	126732	10-67	2	302	15,430	3.86	596	12	9,635	3.91	377	7-71		29	704	-.01	26	4[illegible]
14-12-0321	734427	117936	10-67	2	295	12,645	3.75	474	16	9,805	3.89	381	7-71		40	775	.00	30	[illegible]
14-14-0078	661914	117936	1-63	6	305	15,065	4.37	658	20	11,673	4.18	488	10-71		44	909	.05	42	5[illegible]
14-14-0078	726313	117936	8-67	2	305	15,285	4.32	661	16	11,755	4.10	482	10-71		40	865	.04	39	5[illegible]
14-14-0078	743370	117936	3-69	1	305	12,930	4.05	524	18	10,100	4.16	420	6-71		36	737	.00	29	4[illegible]
14-14-0078	747552	117936	5-69	1	305	14,350	4.09	587	19	11,750	4.12	484	12-71		36	732	.01	3[illegible]	4[illegible]
14-14-0078	749103	117936	5-69	1	305	12,680	4.25	539	20	10,990	4.11	452	8-71		36	658	.02	2[illegible]	4[illegible]
14-14-0092	720350	117936	3-67	3	305	13,093	4.19	549	11	11,893	4.09	486	12-71		42	630	.03	25	42
14-14-0092	733204	117936	5-68	2	305	19,730	3.57	704	8	12,285	4.02	494	3-72		40	1,268	-.05	43	74
14-14-0092	741364	117936	12-68	1	305	17,940	3.91	701	6	11,210	3.84	430	10-71		36	1,035	.01	42	66
14-14-0296	715334	117936	9-66	2	305	12,540	4.18	524	24	10,585	4.06	430	11-70		40	693	.0[illegible]	3[illegible]	46
14-14-0296	729737	117936	8-67	3	273	13,160	4.03	531	22	10,766	4.14	446	12-71		42	754	.01	30	47
14-15-0003	737732	117936	11-68	1	305	19,670	3.25	640	15	15,150	3.97	602	9-71		36	900	-.07	25	49
14-15-0003	743551	117936	3-69	1	305	18,170	4.35	791	16	15,050	3.94	593	10-71		36	795	.[illegible]	38	55

TABLE 1. AYRSHIRE USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C O	.......C O W REPT (%)	I N D E X...... MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
14-16-0015	598935	117936	11-58	5	305	21,190	3.56	754	34	14,662	3.70	542	5-71		44	1,352	-.03	48	$ 8[illegible]
14-16-0015	655688	117936	8-62	4	305	23,805	3.71	884	24	14,150	3.82	540	8-70		44	1,701	-.02	63	103
14-16-0015	679085	117936	5-64	5	287	20,216	3.55	717	21	14,580	3.79	553	1-71		44	1,236	-.05	42	72
14-16-0015	702273	117936	3-65	5	253	15,782	3.42	540	16	13,740	3.67	504	3-71	B	44	761	-.04	25	44
14-16-0015	716933	127365	1-67	3	292	20,506	4.02	824	27	16,553	3.62	600	7-71		34	560	.11	35	46
14-16-0015	721000	117936	5-67	1	305	17,510	4.36	764	35	14,870	3.57	531	8-70		36	758	.09	40	56
14-16-0015	725012	122242	1-67	2	303	21,385	4.03	861	45	17,000	3.58	609	3-71		37	697	.09	38	52
14-16-0015	725016	117936	3-67	2	305	21,145	3.31	699	31	16,615	3.63	603	1-71		40	1,016	-.06	32	57
14-16-0015	725017	117936	3-67	2	305	18,230	3.66	668	42	16,290	3.63	591	12-70		40	750	.01	30	47
14-16-0015	725333	117936	4-67	2	303	18,985	3.37	640	35	16,275	3.71	604	6-71		40	828	-.05	26	46
14-16-0015	728536	117936	8-67	2	305	22,140	3.26	722	36	16,480	3.54	584	3-71		40	1,129	-.06	36	64
14-16-0015	728902	117936	1-68	2	305	18,615	3.78	704	26	16,355	3.58	586	5-71		40	783	.03	34	52
14-16-0015	731949	117936	8-67	2	305	20,040	3.94	790	39	16,400	3.52	577	1-71		40	923	.07	44	64
14-16-0015	731970	117936	11-67	1	305	21,720	3.87	840	32	14,400	3.69	531	9-70		36	1,103	.02	45	70
14-16-0015	734197	117936	8-67	2	305	24,225	3.61	874	34	16,310	3.70	604	6-71		40	1,356	-.02	50	82
14-16-0015	738271	127367	9-67	2	305	30,045	3.14	944	53	16,875	3.48	587	2-71		25	1,734	-.15	47	91
14-16-0015	739021	117936	9-68	1	305	22,310	3.74	834	30	16,760	3.42	573	3-71		36	989	.03	42	64
14-16-0015	739023	117936	9-68	1	260	22,330	4.01	896	20	16,480	3.73	615	8-71	B	36	1,009	.04	44	67
14-16-0015	748825	117936	9-65	1	305	22,810	4.11	938	32	14,400	3.69	531	9-70		36	1,184	.06	53	79
14-16-0109	724155	117936	1-67	3	268	13,556	3.94	534	12	11,203	4.20	471	11-71		42	754	-.02	27	45
14-16-0109	731495	117936	12-67	3	284	15,090	4.14	624	10	11,510	4.17	480	11-71		42	899	.02	37	58
14-16-0109	741616	117936	3-68	2	305	16,725	4.25	710	10	11,295	4.23	478	12-71		40	1,053	.03	45	69
14-16-0109	753899	117936	9-69	1	305	14,070	4.04	569	11	11,630	4.22	491	9-71		36	719	.00	28	45
14-16-0207	723763	117936	8-66	3	301	14,080	3.98	560	21	11,700	3.89	455	12-71		42	763	.02	32	49
14-16-0207	725011	122242	1-67	3	305	14,323	4.11	588	23	10,733	3.86	414	9-71		39	591	.05	29	42
14-17-0040	725743	117936	6-67	2	304	14,375	4.22	606	9	11,840	3.99	472	3-71		40	765	.04	35	52
14-17-0040	733135	117936	3-68	1	305	15,720	4.11	646	5	10,360	3.98	412	10-70		36	927	.02	39	60
14-17-0040	736909	117936	7-68	1	305	13,400	3.94	528	5	10,360	3.98	412	10-70		36	754	.01	30	47
14-17-0040	738407	117936	9-68	1	305	13,960	3.98	556	9	11,390	4.00	456	3-71		36	727	.01	29	46
14-17-0040	747465	117936	5-69	1	31	12,610	4.45	561	5	10,820	4.31	466	12-71	B	36	664	.03	29	44
14-17-0040	747674	117936	3-69	1	168	15,180	4.27	648	5	10,500	4.25	446	8-71	8	36	877	.02	37	57
15-11-0115	701829	117936	2-66	3	289	13,806	3.61	498	7	11,086	3.68	408	11-70		42	795	-.01	30	49
15-11-0115	729969	117936	2-68	2	300	14,445	3.59	518	7	11,040	3.78	417	10-71		40	845	-.01	31	51
15-11-0116	729346	117936	5-67	2	305	15,290	3.87	591	16	11,705	3.88	454	1-71		40	870	.01	35	55
15-11-0116	729928	117936	12-67	2	298	12,450	3.78	471	20	10,685	3.89	416	9-71		40	675	.00	26	42
15-11-0116	743175	117936	2-69	1	280	12,960	3.88	503	19	11,000	3.86	425	9-71		36	678	.01	27	43
15-11-0116	756911	117936	5-69	1	302	13,430	3.76	505	20	11,090	3.88	430	10-71		36	707	.00	27	44
15-11-0131	739508	117936	7-66	3	305	16,180	3.94	637	16	12,840	3.87	497	11-70		42	887	.02	37	57
15-11-0131	739510	117936	3-67	3	305	14,523	4.34	631	14	12,833	3.82	490	9-71		42	697	.08	37	51
15-11-0131	747145	117936	9-66	3	305	17,370	3.93	683	14	12,500	3.79	474	9-71		42	1,059	.02	44	68
15-11-0131	758827	117936	10-67	2	305	14,675	3.86	566	13	13,185	3.80	501	10-71		40	672	.02	28	43
15-11-0131	758833	117936	3-68	2	305	14,370	3.90	561	13	13,145	3.77	496	9-71		40	645	.02	28	43
15-11-0131	767526	117936	3-69	1	305	16,180	3.79	613	16	12,060	3.82	461	1-72		36	847	.00	33	53
15-11-0143	684178	117936	11-64	4	304	14,545	3.87	563	26	11,547	3.88	448	6-71		44	646	.01	34	54
15-11-0143	736063	117936	1-68	2	305	15,830	3.78	598	22	11,045	3.80	420	9-71		40	965	.01	39	62
15-11-0143	749704	117936	1-69	1	305	12,700	3.66	465	22	10,820	3.77	408	9-71		36	671	.00	26	42
15-11-0152	732933	117936	1-68	2	291	15,945	3.60	574	6	13,585	3.59	488	1-72		40	765	.00	30	48
16-06-0127	708002	117936	2-66	4	305	14,390	3.52	506	17	10,232	3.74	383	7-71		44	973	-.03	34	57
16-06-0127	717532	117936	2-67	3	305	14,890	3.31	493	18	10,196	3.82	389	8-71		42	1,012	-.07	31	56
16-06-0127	726307	117936	7-67	2	304	13,365	3.55	474	6	10,380	3.59	373	5-71		40	796	-.01	30	49
16-06-0127	736662	117936	4-68	2	305	12,060	3.80	458	16	10,360	3.77	391	12-71		40	665	.01	27	42
16-06-0127	743777	117936	3-69	1	305	12,430	3.99	496	7	10,340	3.77	390	4-72		36	683	.02	29	44
16-06-0127	750325	117936	5-69	1	305	12,710	3.81	484	13	10,480	3.76	394	2-72		36	695	.01	28	44
16-06-0136	613094	119554	9-59	8	300	16,094	4.00	644	24	11,319	3.89	440	8-71		44	750	.01	30	47
16-06-0136	744530	117936	3-69	1	305	14,280	4.17	595	10	12,820	3.78	484	11-71		36	655	.04	30	44
16-06-0136	744532	117936	3-69	1	305	16,260	3.52	573	6	14,030	3.65	512	3-72		36	721	-.01	27	44
16-06-0136	759374	117936	1-69	1	305	15,040	3.69	555	20	11,170	3.96	442	9-71		36	822	-.02	30	50
16-06-0152	639417	116882	4-59	9	302	15,620	3.94	616	37	11,456	4.09	469	1-71		43	702	.02	30	46
16-06-0152	689232	117936	3-65	5	300	15,480	4.04	626	35	11,944	4.21	503	9-71		44	931	.00	36	58
16-06-0152	704554	117936	4-66	3	305	17,866	3.89	695	33	12,396	4.15	514	1-72		42	1,126	-.02	41	68
16-06-0152	706014	125712	4-66	4	305	17,050	4.23	721	38	13,132	4.08	536	2-72		42	585	.07	31	43
16-06-0152	708789	117936	7-66	3	305	15,750	3.94	621	29	12,450	4.22	525	11-71		42	877	-.02	32	53
16-06-0152	713277	117936	11-66	2	302	16,870	4.30	726	26	12,635	4.16	526	3-71		40	945	.04	42	63
16-06-0152	714478	117936	1-67	3	301	14,123	4.26	601	34	12,043	4.24	511	10-71		42	732	.02	31	48
16-06-0152	716143	117936	3-67	3	305	18,656	4.22	787	28	12,560	4.23	531	11-71		42	1,200	.03	50	77
16-06-0152	725706	117936	9-67	3	305	15,536	3.93	611	26	12,893	4.24	547	12-71		42	807	-.03	28	47
16-06-0152	725707	117936	5-67	3	297	13,216	4.14	547	37	11,396	4.26	486	9-71		42	695	.00	27	43
16-06-0152	725708	117936	8-67	3	276	12,783	4.61	589	37	11,470	4.24	486	8-71		42	638	.06	32	46
16-06-0152	725710	117936	6-67	3	305	15,653	4.25	666	24	13,026	4.12	537	3-72		42	807	.04	36	54
16-06-0152	727643	117936	6-67	2	305	15,810	3.89	615	28	13,000	4.25	552	12-71		40	804	-.03	28	47
16-06-0152	729087	117936	11-67	1	305	16,510	3.97	656	28	13,440	4.17	561	2-71		36	779	.00	30	48
16-06-0152	731185	117936	11-67	1	305	17,210	3.93	677	28	12,880	4.29	552	11-70		36	869	-.01	32	53
16-06-0152	735244	117936	3-68	2	305	15,360	3.67	564	31	11,920	4.24	506	7-71		40	857	-.05	27	48
16-06-0152	735249	117936	3-68	2	305	13,515	4.12	557	31	11,920	4.24	506	7-71		40	670	.01	27	42
16-06-0152	736777	117936	4-68	2	305	16,160	3.90	630	22	13,390	4.06	543	3-72		40	804	.00	31	50
16-06-0152	736779	117936	5-68	1	305	17,360	3.65	634	27	13,250	4.14	548	3-71		36	855	-.03	29	5[illegible]
16-06-0152	736780	117936	5-68	1	305	16,630	4.17	693	27	13,680	4.23	579	1-71		36	772	.01	31	49
16-06-0152	735781	117936	5-68	1	305	17,540	3.52	617	24	13,350	4.14	553	12-71		36	862	-.05	27	48
16-06-0152	738374	117936	5-68	2	305	14,345	4.12	591	28	12,415	4.27	530	11-71		40	709	.00	28	44
16-06-0152	738377	117936	7-68	1	305	15,300	4.05	619	24	12,010	4.36	524	9-71		36	785	-.01	29	48
16-06-0152	740631	129110	8-68	1	305	19,590	3.99	782	38	13,700	4.15	569	3-71		34	935	-.08	26	50
16-06-0152	741131	117936	9-68	1	305	14,300	4.48	641	24	12,010	4.36	524	9-71		36	711	.03	31	47
16-06-0152	741195	117936	9-68	1	305	16,780	3.77	632	24	12,010	4.36	524	9-71		36	895	-.04	30	52
16-06-0152	741874	117936	9-68	1	305	15,750	3.97	625	25	12,230	4.28	524	8-71		36	804	-.01	30	49
16-06-0152	746208	117936	3-69	1	305	15,280	4.54	694	22	13,030	4.17	544	11-71		36	715	.05	34	50

TABLE 1. AYRSHIRE USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C D	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
16-06-0152	746251	117936	2-69	1	305	14,290	4.60	658	27	12,440	4.18	520	7-71		36	681	.05	33	$ 48
16-06-0152	746537	117936	10-68	1	305	16,620	3.58	595	27	12,440	4.18	520	7-71		36	855	-.04	28	49
16-06-0152	746540	117936	10-68	1	304	16,380	3.98	652	25	12,230	4.28	524	8-71		36	851	-.01	32	52
16-06-0152	746542	117936	11-68	1	305	16,450	4.42	727	27	12,440	4.18	520	7-71		36	842	.04	38	57
16-06-0152	746543	117936	11-68	1	305	19,150	4.31	825	24	13,350	4.14	553	12-71		36	982	.04	43	65
16-06-0152	746545	117936	2-69	1	305	16,810	3.79	637	22	13,030	4.17	544	11-71		36	829	-.03	29	49
16-06-0152	746550	117936	2-69	1	305	15,160	3.98	604	20	12,700	4.24	539	10-71		36	728	-.01	27	44
16-06-0152	748005	117936	4-69	1	305	14,440	4.44	641	22	13,030	4.17	544	11-71		36	653	.04	30	44
16-06-0152	748013	117936	5-69	1	305	16,130	3.91	631	24	13,350	4.14	553	12-71		36	757	-.01	28	46
16-06-0152	753110	117936	7-69	1	305	17,270	3.94	680	24	13,350	4.14	553	12-71		36	842	-.01	32	52
16-06-0152	753119	117936	9-69	1	305	17,210	3.91	673	19	13,890	3.95	548	2-72		36	801	.01	32	51
16-06-0152	753960	117936	8-69	1	305	16,550	3.89	643	21	13,530	4.06	549	1-72		36	776	.00	30	48
16-06-0345	676882	117936	11-63	6	295	12,493	4.28	535	10	11,251	4.17	469	3-72		44	626	.03	28	42
16-06-0345	728181	117936	6-67	2	305	13,560	4.13	560	13	11,545	4.20	485	3-71		40	709	.01	29	45
16-06-0345	728183	117936	8-67	2	305	14,420	4.46	643	13	11,530	4.15	478	3-71		40	798	.06	38	55
16-06-0345	728184	117936	9-67	2	305	12,435	4.38	545	14	11,240	4.10	461	4-71		40	623	.04	29	43
16-06-0345	728185	117936	10-67	2	296	12,385	4.51	558	13	11,365	4.12	468	4-71		40	606	.05	30	43
16-06-0345	734607	117936	1-68	2	305	16,995	4.14	704	13	12,030	4.24	510	11-71		40	1,013	.01	41	64
16-06-0345	739429	117936	12-67	2	305	16,050	3.82	613	12	11,570	4.15	480	9-71		40	959	-.02	35	58
16-06-0345	739430	117936	3-68	2	288	13,115	4.48	587	15	11,065	4.14	458	4-71		40	708	.05	34	49
16-06-0345	739431	117936	6-68	2	305	13,380	4.39	588	13	12,165	4.13	503	8-71		40	634	.04	30	44
16-06-0345	748575	117936	10-68	2	305	15,775	4.18	660	10	12,800	4.33	554	11-71		40	819	.01	33	52
16-06-0348	680660	117936	2-64	5	303	17,236	3.99	687	19	12,368	3.90	482	8-71		44	1,108	.02	46	71
16-06-0348	719998	117936	3-67	3	305	15,520	4.14	643	23	12,660	3.74	474	10-71		42	829	.06	40	54
16-06-0348	727617	117936	10-67	2	305	16,990	3.77	641	26	12,460	3.84	478	8-71		40	974	.00	38	61
16-06-0348	737516	117936	7-68	2	305	15,665	3.77	591	14	12,950	3.72	482	12-71		40	794	.01	32	5[illegible]
16-06-0348	751479	117936	8-68	2	300	14,605	3.87	565	13	12,910	3.74	483	11-71		40	690	.02	29	45
16-06-0348	751482	117936	9-68	1	305	13,850	3.79	525	27	12,080	3.91	472	6-71		36	672	.00	26	42
16-06-0357	694481	116628	7-64	5	298	16,728	3.93	657	10	13,804	3.92	541	5-71		43	682	.01	28	44
16-06-0357	732999	127185	10-67	3	303	19,130	4.05	774	6	14,183	3.79	538	3-72		41	907	.09	34	46
16-10-0027	703890	117936	11-65	4	305	13,520	4.25	575	11	11,495	3.95	454	10-71		44	725	.05	34	50
16-10-0027	703892	117936	3-66	3	305	14,583	3.70	539	13	11,976	3.92	470	1-72		42	792	-.02	28	47
16-10-0027	709721	117936	9-66	3	293	16,360	4.11	673	12	11,920	3.99	476	10-71		42	1,002	.03	43	66
16-10-0027	721287	117936	6-66	3	305	14,640	4.28	626	15	12,393	3.83	475	10-71		42	756	.06	37	53
16-10-0027	721292	117936	8-66	3	304	15,496	3.74	580	13	12,010	3.90	468	2-72		42	894	-.01	33	54
16-10-0027	735310	117936	10-67	1	305	15,160	3.78	573	11	12,750	3.98	507	12-70		36	725	-.01	27	4[illegible]
16-10-0027	738264	117936	6-68	1	305	17,670	4.08	721	13	12,170	3.94	480	3-71		36	951	.03	40	62
16-10-0027	738266	117936	9-68	1	305	13,500	4.48	605	14	10,780	3.78	408	8-71		36	733	.06	36	52
16-12-0006	712274	117936	10-66	3	301	17,816	3.52	627	21	13,836	3.85	533	11-70		42	972	-.05	32	56
16-12-0006	712468	117936	10-66	3	296	15,013	3.76	565	23	13,116	3.71	487	6-71		42	724	.01	29	46
16-12-0006	726883	117936	9-67	2	297	16,010	3.84	614	26	13,245	3.74	496	8-71		40	802	.02	33	51
16-12-0006	726885	117936	10-67	2	290	15,375	3.54	545	27	13,515	3.74	506	8-71		40	713	-.02	25	42
16-12-0006	742838	117936	11-68	1	305	17,640	3.42	603	21	13,300	3.68	490	7-71		36	873	-.02	31	52
16-12-0006	742839	117936	1-69	1	305	18,160	3.74	680	30	13,160	3.69	485	8-71		36	921	.01	37	55
16-12-0164	674607	117936	8-63	4	289	13,510	3.72	503	8	10,702	3.86	413	6-71		44	812	-.01	30	49
16-12-0164	726081	117936	6-67	3	297	13,613	3.79	516	8	11,806	3.69	436	12-71		42	698	.02	29	45
16-12-0164	727011	117936	8-67	3	305	14,753	3.66	540	6	11,783	3.73	440	4-72		42	832	-.01	31	5[illegible]
16-12-0164	736185	117936	3-68	1	297	12,920	3.85	498	7	9,220	3.71	342	6-71		36	795	.02	33	51
16-12-0164	773504	117936	10-68	1	305	13,260	3.72	493	12	9,650	3.70	357	8-71		36	791	.00	31	49
21-04-0134	698531	117936	1-66	4	305	13,327	3.85	513	24	9,785	3.75	367	7-71		44	892	.01	36	57
21-04-0134	728133	117936	9-67	2	305	14,980	3.64	545	24	9,770	3.78	369	12-71		40	1,015	-.01	38	62
21-04-0311	653923	117936	3-62	8	299	15,901	3.75	596	8	13,692	3.71	508	12-71		44	782	.01	32	5[illegible]
21-04-0311	656620	117936	11-62	6	302	16,055	3.93	631	9	13,633	3.72	507	4-71		44	809	.04	36	54
21-04-0311	659365	117936	9-62	7	305	16,778	3.75	629	7	13,582	3.71	504	12-71		44	908	.01	36	57
21-04-0311	661369	117936	9-62	5	303	16,453	3.49	575	10	13,320	3.71	494	11-70		44	897	-.04	30	52
21-04-0311	665397	117936	3-63	7	293	14,831	3.66	543	9	13,311	3.67	488	10-71		44	688	.00	27	43
21-04-0311	684079	117936	6-64	5	302	16,304	3.51	572	9	13,778	3.71	511	11-70		44	824	-.03	28	48
21-04-0311	698851	117936	9-65	5	298	17,450	3.28	573	10	14,180	3.65	517	10-71		44	925	-.06	28	51
21-04-0311	714000	117936	9-66	4	300	16,587	3.64	603	10	14,230	3.63	516	10-71		44	800	.00	31	50
21-04-0311	716370	117936	9-66	3	305	15,040	4.02	604	6	13,656	3.65	499	7-71		42	671	.06	33	47
21-04-0311	738761	117936	8-68	2	301	18,965	3.16	599	10	15,300	3.48	533	11-71		40	915	-.06	28	51
21-04-0311	738764	117936	9-68	2	305	17,260	3.80	656	9	14,840	3.54	526	10-71		40	784	.04	35	52
21-04-0311	741365	117936	1-69	1	305	17,800	3.42	608	7	15,180	3.65	554	7-71		36	759	-.02	27	45
21-04-0311	750737	117936	11-69	1	305	19,170	3.52	675	9	16,140	3.46	559	11-71		36	796	.00	31	5[illegible]
21-05-0407	644722	117936	8-61	1	305	13,400	4.57	612	10	10,740	3.88	417	9-71		36	729	.06	36	52
21-05-0407	744687	117936	10-66	1	305	16,310	3.86	629	9	12,950	3.76	487	1-72		36	797	.02	33	51
21-05-0407	758973	117936	11-69	2	281	15,780	3.56	561	5	11,460	3.71	425	3-72		40	942	-.02	34	56
21-05-0422	698248	117936	1-66	4	303	15,550	3.77	587	11	12,202	3.89	475	5-71		44	898	-.01	33	54
21-05-0422	706494	117936	3-66	4	293	14,180	3.91	554	13	11,280	3.86	435	6-71		44	831	.01	34	53
21-05-0422	728795	117936	9-67	3	297	15,673	3.66	574	5	12,940	3.86	499	2-72		42	818	-.02	29	49
21-05-0422	728797	117936	12-67	2	303	14,705	3.90	574	7	12,715	3.80	483	4-71		40	718	.02	30	46
21-05-0422	728799	117936	1-68	2	301	13,415	3.83	514	10	11,145	3.79	422	8-71		40	731	.01	30	47
21-05-0422	735145	117936	2-68	2	305	15,560	3.62	563	9	11,810	3.79	448	12-71		40	888	-.01	33	54
21-05-0422	740274	117936	9-68	2	305	13,995	4.21	589	8	12,140	3.76	457	2-72		40	699	.06	34	49
21-05-0422	747606	117936	6-69	1	305	14,690	3.59	527	6	12,280	3.85	473	12-71		36	721	-.02	26	43
21-05-0422	747608	117936	7-69	1	303	15,440	3.67	566	6	12,280	3.85	473	12-71		36	777	-.01	29	47
21-06-0283	696977	117936	6-65	5	303	13,598	3.82	520	8	10,830	3.86	418	9-71		44	817	.00	32	5[illegible]
21-06-0283	719589	117936	12-66	3	302	13,350	3.94	526	6	11,180	3.64	407	6-71		42	733	.04	33	49
21-06-0283	722926	117936	6-66	3	305	14,773	3.45	510	9	12,226	3.80	465	3-71		42	788	-.05	25	44
21-06-0283	730941	117936	10-67	2	305	14,855	3.50	520	7	12,515	3.80	476	3-71		40	752	-.03	26	44
21-06-0283	749460	117936	1-69	1	305	13,020	3.85	501	8	10,770	3.85	415	11-71		36	698	.01	28	44
21-06-0283	749461	117936	1-69	1	305	14,310	3.72	532	8	10,770	3.85	415	11-71		36	794	-.01	30	49
21-08-0246	675041	117936	2-63	7	283	13,295	3.57	474	12	11,024	3.81	420	10-71		44	756	-.03	26	44
21-08-0246	687666	117936	8-64	5	305	12,884	4.04	521	10	11,630	3.75	436	10-71		44	632	.05	30	44
21-08-0246	700588	117936	4-64	6	299	14,546	3.60	524	9	11,063	3.81	422	12-71		44	913	-.03	32	54

TABLE 1. AYRSHIRE USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C D	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
21-08-0246	709943	117936	8-66	1	275	16,030	3.51	562	12	12,410	3.89	483	6-71		36	813	-.03	28	$ 48
21-08-0246	741933	117936	11-68	1	305	14,470	3.58	518	6	12,020	3.71	446	12-71		36	723	-.01	27	44
21-09-0077	646648	117936	2-62	6	296	12,581	3.72	468	29	10,108	3.84	388	1-72		44	770	-.01	29	47
21-09-0077	669043	117936	8-63	5	303	14,182	4.03	572	21	10,174	3.86	393	6-71		44	969	.04	42	64
21-09-0077	687475	117936	7-64	6	281	12,261	4.10	503	27	10,243	3.81	390	1-72		44	713	.04	33	49
21-09-0077	694669	117936	2-65	4	305	12,292	3.95	485	22	10,527	3.87	407	12-70		44	682	.02	29	44
21-09-0077	694676	117936	3-65	4	304	12,717	4.26	542	21	10,250	3.77	386	3-72		44	765	.07	38	54
21-09-0077	699556	117936	10-65	4	282	13,937	4.05	565	25	10,952	3.76	412	1-72		44	837	.04	38	57
21-09-0077	734744	117936	4-68	2	300	12,670	3.73	473	25	10,290	3.65	376	3-72		40	733	.01	30	47
21-09-0077	743861	117936	5-69	1	305	15,530	3.94	612	15	9,740	3.74	364	10-71		36	954	.02	40	62
21-09-0077	743862	117936	5-69	1	278	13,140	3.80	499	19	9,850	3.71	365	11-71		36	769	.01	31	49
21-09-0081	699739	117936	6-65	4	297	15,615	3.71	579	14	11,412	3.79	432	2-71		44	993	-.01	37	6[illegible]
21-09-0081	699740	117936	7-65	4	305	16,002	3.66	585	11	11,857	3.75	445	3-71		44	992	-.01	37	6[illegible]
21-09-0081	699741	117936	7-65	4	294	15,030	3.77	567	10	11,785	3.74	441	3-71		44	880	.01	35	55
21-09-0081	699742	117936	7-65	3	305	17,506	3.68	644	7	12,933	3.67	474	3-71		42	1,029	.00	40	64
21-09-0081	704960	117936	12-65	3	304	18,403	3.90	718	16	11,950	3.77	451	12-70		42	1,234	.02	51	79
21-09-0081	709714	117936	3-66	3	305	16,520	3.73	617	16	11,316	3.74	423	4-71		42	1,083	.00	42	67
21-09-0092	728474	117936	12-66	3	285	12,616	3.98	502	8	11,090	3.97	440	8-71		42	658	.01	27	42
21-09-0092	735833	117936	2-68	2	305	14,845	3.89	577	8	10,385	4.03	418	8-71		40	945	.00	37	59
21-09-0092	737210	117936	8-68	2	305	13,500	3.92	529	7	11,245	4.01	451	7-71		40	730	.01	29	46
21-09-0092	759703	117936	10-66	1	305	15,810	4.21	666	8	11,050	4.09	452	7-71		36	887	.03	38	58
21-09-0092	765459	117936	1-68	1	305	16,680	3.93	656	11	11,790	4.00	472	11-71		36	903	.01	36	57
21-09-0254	743797	117936	10-65	2	262	14,520	3.90	566	13	12,725	4.06	516	11-70		40	699	.00	27	43
21-09-0254	743807	117936	10-67	3	243	14,990	3.70	554	12	11,786	3.98	469	4-72	B	42	859	-.03	30	51
21-09-0374	663657	117936	3-63	6	288	13,701	4.15	568	11	11,795	3.90	460	3-72		44	719	.04	33	49
21-09-0374	697691	117936	3-65	6	294	15,340	3.84	589	12	12,373	3.89	481	2-72		44	863	.00	34	54
21-09-0374	709797	117936	9-66	3	217	14,423	3.95	570	10	12,860	3.90	501	4-71	B	42	682	.01	28	44
21-09-0374	723051	117936	5-67	3	294	16,483	3.68	606	12	12,813	3.93	503	9-71		42	924	-.03	32	54
21-09-0374	725149	117936	7-66	3	299	14,700	3.75	551	10	12,666	3.88	492	3-71		42	734	-.01	27	44
21-09-0374	737029	117936	6-68	1	305	16,680	3.97	663	12	13,620	3.92	534	10-70		36	780	.01	32	5[illegible]
21-09-0374	737044	117936	4-68	2	305	19,615	3.84	753	10	13,055	3.85	502	12-71		40	1,186	.01	47	74
21-09-0374	737047	117936	5-68	2	305	16,465	4.16	685	9	12,895	3.88	500	10-71		40	861	.05	40	59
21-09-0374	737049	117936	5-68	1	305	16,780	3.95	662	12	13,620	3.92	534	10-70		36	787	.01	32	50
21-09-0374	737050	117936	5-68	1	305	15,290	3.83	585	11	13,610	3.95	537	9-70		36	677	.00	26	42
21-09-0374	741671	117936	10-68	1	305	16,120	4.03	649	9	12,490	3.76	470	12-71		36	814	.03	35	53
21-09-0387	678014	117936	1-64	5	303	13,870	3.72	516	15	12,384	3.70	458	4-71		44	672	.01	27	43
21-09-0387	724172	117936	8-66	3	300	14,006	3.59	503	8	12,016	3.61	434	4-72		42	722	.00	28	45
21-09-0387	728725	117936	9-67	1	305	12,430	4.05	504	9	11,210	3.72	417	9-70		36	625	.03	28	42
21-09-0387	737061	117936	12-67	2	304	13,870	3.44	477	8	11,555	3.67	424	3-72		40	740	-.02	25	44
21-09-0387	737066	117936	10-68	1	305	15,390	3.52	542	10	12,050	3.59	433	10-71		36	789	.00	30	49
21-09-0387	744939	117936	1-69	1	305	13,950	3.48	485	10	12,050	3.59	433	10-71		36	662	.00	26	42
21-10-0092	703380	117936	7-65	3	305	13,503	3.81	515	18	11,276	4.10	462	8-70		42	741	-.02	26	44
21-10-0092	716890	117936	10-65	2	290	14,985	3.95	592	10	11,990	3.93	471	12-70	B	40	813	.01	33	52
21-10-0092	717295	117936	7-67	2	224	14,190	4.00	567	13	11,810	4.16	491	4-71	B	40	749	.00	29	46
21-10-0092	724821	117936	12-66	3	248	13,936	4.10	572	20	11,646	4.09	476	3-71	B	42	752	.01	31	48
21-10-0092	750120	117936	8-67	2	190	13,795	3.99	551	20	11,245	4.25	478	7-71	B	40	760	.00	29	47
21-10-0109	613379	117936	7-59	10	299	14,772	3.85	569	22	12,077	3.95	477	11-71		44	824	.00	32	51
21-10-0109	692046	117936	7-64	6	304	16,235	3.73	605	10	12,280	3.97	487	2-72		44	989	-.03	35	59
21-10-0109	704614	117936	3-66	4	292	14,597	4.13	603	17	12,862	4.04	520	11-71		44	707	.02	30	46
21-10-0109	709288	117936	9-66	3	302	14,986	4.07	610	17	13,323	4.09	545	11-71		42	699	.01	28	44
21-10-0109	710862	117936	7-64	4	305	15,202	4.10	623	19	12,940	4.08	528	11-70		44	773	.02	32	5[illegible]
21-10-0109	710867	117936	9-64	5	301	15,154	4.39	666	18	13,200	4.04	533	1-72		44	743	.07	38	54
21-10-0109	710869	117936	10-64	4	305	16,307	4.18	681	17	12,865	4.06	522	1-71		44	917	.04	40	61
21-10-0109	710874	117936	3-65	4	302	15,227	3.73	568	20	12,995	4.11	534	1-71		44	770	-.04	25	44
21-10-0109	710891	117936	8-66	3	305	14,076	4.21	593	23	12,573	4.04	508	7-71		42	672	.03	30	45
21-10-0109	725337	117936	7-67	2	305	16,710	3.80	635	18	13,230	4.16	550	11-70		40	875	-.03	30	51
21-10-0109	733695	117936	6-67	2	299	14,350	3.97	570	24	12,730	4.03	513	7-71		40	681	.00	27	43
21-10-0272	741462	117936	7-68	2	292	12,885	4.34	559	12	10,990	3.99	439	1-72		40	691	.05	33	48
21-10-0272	755219	117936	2-69	1	305	14,150	3.81	539	9	9,810	3.97	389	8-71		36	847	.00	33	53
21-10-0449	657506	117936	10-62	6	305	18,461	3.84	709	26	11,603	4.00	464	4-72		44	1,355	-.01	51	83
21-10-0449	687351	117936	10-63	6	300	16,428	3.96	651	28	12,488	4.02	502	2-72		44	990	.00	39	62
21-10-0449	687678	117936	11-64	4	305	15,027	3.97	596	25	11,557	4.00	462	10-71		44	905	.01	36	57
21-10-0449	687682	117936	11-64	4	302	13,580	3.95	537	28	11,687	3.99	466	3-71		44	712	.00	28	45
21-10-0449	696937	117936	4-65	4	299	16,457	3.89	641	31	11,817	4.00	473	1-71		44	1,052	-.01	40	65
21-10-0449	702901	117936	9-65	4	235	14,470	4.10	593	19	11,475	4.04	464	6-71		44	845	.02	35	54
21-10-0449	705078	117936	9-65	4	302	15,227	3.89	593	24	12,532	3.97	498	2-72		44	821	.00	32	51
21-10-0449	717941	117936	9-66	3	305	16,916	4.00	676	25	12,923	4.00	517	2-71		42	963	.01	39	61
21-10-0449	719552	117936	10-66	2	305	17,495	3.78	661	30	12,650	4.02	508	1-71		40	1,007	-.02	37	61
21-10-0449	728603	117936	9-67	2	305	15,585	3.91	610	27	12,045	4.03	486	8-71		40	869	.00	34	54
21-10-0449	728609	117936	11-67	2	303	14,910	3.82	570	22	12,010	4.05	487	6-71		40	804	-.01	30	49
21-10-0449	728611	117936	11-67	2	305	17,895	3.87	693	23	12,060	4.05	489	7-71		40	1,102	-.01	42	68
21-10-0449	728614	117936	12-67	2	297	14,470	4.01	580	24	12,190	4.05	494	7-71		40	742	.01	30	47
21-10-0449	728615	117936	12-67	2	305	13,995	4.02	563	26	12,365	3.98	492	12-71		40	678	.01	28	44
21-10-0449	738791	117936	3-68	2	293	14,945	4.01	599	23	12,195	4.00	488	10-71		40	790	.02	33	51
21-10-0449	738794	117936	6-68	1	202	15,070	3.99	601	26	11,960	4.07	487	9-71	B	36	771	.01	31	49
21-10-0449	738801	117936	9-68	1	305	14,130	3.95	558	29	11,820	4.09	484	8-71		36	711	.00	28	45
21-10-0449	738804	117936	9-68	1	305	16,770	4.05	680	23	12,110	4.13	500	7-71		36	888	.01	36	56
21-10-0449	738807	117936	11-68	1	305	16,390	3.77	618	21	12,120	4.03	488	10-71		36	859	-.01	32	52
21-10-0449	738808	117936	12-68	1	305	15,010	3.85	578	26	11,960	4.07	487	9-71		36	767	-.01	29	47
21-10-0449	738810	117936	12-68	1	303	19,820	4.00	793	23	12,390	4.00	495	11-71		36	1,096	.01	44	69
21-10-0449	738812	117936	6-68	1	305	18,580	3.87	719	26	11,960	4.07	487	9-71		36	1,033	-.01	39	63
21-10-0449	741823	117936	1-69	1	305	15,260	3.93	600	21	12,120	4.03	488	10-71		36	775	.00	30	48
21-10-0449	755223	117936	5-69	1	305	18,120	3.73	676	13	12,420	3.95	491	3-72		36	968	-.01	36	59
21-10-0449	755233	117936	8-69	1	305	19,230	3.96	762	17	12,800	3.96	507	1-72		36	1,025	.01	41	65
21-12-0231	661989	117936	1-63	7	290	16,171	3.61	584	13	12,517	3.91	489	12-71		44	954	-.04	32	55

TABLE 1. AYRSHIRE USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVO MO-YR	T C D	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
21-12-0231	676281	117936	11-63	7	284	14,704	4.00	588	13	12,117	3.90	473	3-72		44	811	.02	34	$ 52
21-12-0231	676282	117936	11-63	6	300	15,783	3.83	605	15	12,110	3.87	469	5-71		44	951	.00	37	59
21-12-0231	677336	117936	1-64	7	296	13,595	3.98	541	17	12,240	3.90	477	3-72		44	653	.02	28	43
21-12-0231	680344	117936	3-64	5	289	14,092	3.93	554	12	12,252	3.84	470	5-71		44	716	.02	30	46
21-12-0231	702471	117936	12-65	4	278	14,785	3.90	576	11	12,097	3.85	466	4-71		44	815	.01	33	52
21-12-0231	716784	117936	3-67	3	298	15,436	3.70	571	18	13,063	3.84	502	12-71		42	778	-.02	28	47
21-12-0397	673207	117936	10-63	5	300	13,256	3.88	514	20	10,166	3.87	393	12-70		44	850	.01	34	54
21-12-0745	689734	117936	10-64	4	301	13,905	3.55	493	26	10,067	3.92	395	10-70		44	932	-.04	31	54
21-12-0745	689735	117936	9-64	3	268	13,320	4.04	538	24	10,973	3.95	433	3-71	B	42	751	.02	32	40
21-12-0745	734220	117936	8-67	1	298	14,780	3.96	585	16	10,080	3.94	397	11-70	B	36	876	.01	35	55
21-12-0745	734221	117936	8-67	1	298	14,270	3.98	568	16	10,080	3.94	397	11-70	B	36	838	.01	34	53
21-12-0745	735909	117936	3-68	1	281	12,620	3.90	492	16	10,550	3.96	418	12-70	B	36	683	.00	27	43
21-13-0309	610416	116003	11-59	6	305	15,917	4.30	684	24	12,365	4.12	510	4-71		39	644	.07	33	47
21-13-0309	672071	117936	9-63	6	300	13,521	4.40	595	20	12,301	4.17	513	3-71		44	637	.05	31	45
21-13-0309	676788	117936	11-63	6	305	15,386	4.06	625	23	11,896	4.09	487	12-71		44	924	.02	38	59
21-13-0309	725179	117936	2-67	2	305	13,025	4.37	569	28	12,015	4.10	493	2-71		40	612	.04	29	42
21-13-0309	730995	117936	3-68	2	305	15,340	4.00	614	26	11,205	4.06	455	1-72		40	921	.01	37	56
21-13-0309	737527	117936	4-68	2	305	14,815	4.04	599	26	11,050	4.08	451	8-71		40	882	.01	36	56
21-13-0309	738947	117936	7-68	1	305	12,620	3.90	492	32	10,350	4.01	415	10-71		36	697	.00	27	43
21-13-0309	739090	117936	8-68	1	305	15,710	3.91	615	32	11,970	4.14	495	12-70		36	818	-.01	31	50
21-13-0309	743771	117936	12-68	1	305	13,400	3.63	486	28	10,300	4.03	415	9-71		36	758	-.02	27	45
21-13-0666	665748	117936	3-63	6	305	14,246	4.20	598	19	11,315	4.03	456	8-71		44	845	.04	38	57
21-13-0666	723755	117936	10-66	3	289	13,413	4.23	567	13	11,110	3.96	440	4-71		42	747	.04	34	51
21-13-0666	724214	117936	3-67	3	276	13,796	3.76	519	17	11,666	4.04	471	12-71		42	734	-.02	26	44
21-13-0666	731570	117936	11-67	2	292	13,430	3.92	527	10	11,715	3.87	453	7-71		40	680	.01	28	44
21-13-0666	731761	117936	6-67	3	304	15,063	3.44	518	10	11,493	4.04	464	4-72		42	897	-.07	26	40
21-13-0666	732219	117936	1-68	2	305	14,390	3.84	553	9	12,015	4.03	484	2-72		40	750	-.01	28	46
21-13-0666	762954	117936	8-68	1	305	13,110	4.24	556	13	10,630	3.97	422	5-71		36	714	.04	32	48
21-13-0666	762957	117936	9-68	1	305	14,340	3.97	570	17	11,840	4.10	485	10-71		36	725	.00	28	45
21-14-0263	741833	117936	9-68	2	292	13,585	3.74	508	6	11,530	3.82	440	10-71		40	713	.00	28	45
21-14-0453	696535	117936	8-65	5	305	16,496	4.21	695	21	13,154	3.86	508	10-71		44	921	.07	44	64
21-14-0453	696537	117936	8-65	4	305	15,305	4.13	632	12	12,962	3.93	509	3-71		44	783	.04	35	52
21-14-0453	697742	117936	11-65	4	305	15,295	3.85	589	19	12,665	3.87	490	10-71		44	815	.00	32	51
21-14-0453	710694	117936	6-66	4	305	15,275	3.93	601	22	13,122	3.87	508	10-71		44	761	.02	32	49
21-14-0453	713468	117936	9-66	4	305	14,342	3.89	558	21	13,080	3.87	506	1-72		44	651	.01	27	42
21-14-0453	713470	117936	10-66	3	305	14,593	4.18	610	12	12,346	3.92	484	6-71		42	755	.05	35	52
21-14-0453	739994	117936	7-68	2	180	15,285	3.95	604	19	13,425	3.84	516	12-71	B	40	712	.02	30	46
21-14-0453	739995	117936	7-68	2	189	15,040	4.00	602	19	13,320	3.85	513	11-71	B	40	697	.02	30	46
21-14-0453	740002	117936	10-68	1	305	17,530	3.58	627	11	13,860	3.98	551	3-71		36	827	-.03	28	48
21-16-0017	646365	117936	12-61	7	303	14,800	4.05	600	19	12,107	3.94	477	7-71		44	824	.03	36	54
21-16-0017	659522	117936	11-62	7	300	15,417	4.11	633	9	11,231	3.92	440	4-72		44	1,006	.04	44	67
21-16-0017	660440	117936	11-62	7	299	14,877	3.96	589	12	12,497	3.98	497	11-71		44	789	.01	32	50
21-16-0017	663048	117936	2-63	7	303	19,845	3.95	783	13	12,168	3.94	479	4-72		44	1,468	.02	59	93
21-16-0017	664111	117936	3-63	7	302	14,837	4.11	610	17	12,302	3.97	489	10-71		44	806	.04	36	54
21-16-0017	664116	117936	6-63	7	298	14,444	4.05	585	13	12,177	3.97	484	4-72		44	770	.03	33	5[illegible]
21-16-0017	668628	117936	9-63	6	300	14,763	4.36	643	15	12,188	3.99	486	12-71		44	810	.07	40	57
21-16-0017	677982	117936	2-64	6	301	14,013	4.42	619	18	12,091	4.02	486	12-71		44	725	.07	37	52
21-16-0017	677983	117936	2-64	6	300	14,890	3.77	562	18	12,093	4.02	486	9-71		44	837	-.02	30	5[illegible]
21-16-0017	684858	117936	9-64	5	297	14,940	4.27	638	16	12,372	4.01	496	7-71		44	811	.05	38	56
21-16-0017	684863	117936	10-64	4	305	17,495	4.29	750	12	12,312	3.91	482	4-71		44	1,126	.07	53	78
21-16-0017	688241	117936	6-64	3	294	14,340	4.16	596	6	11,673	3.96	462	4-72		42	796	.03	35	53
21-16-0017	695836	117936	8-65	1	305	16,360	4.41	722	11	13,700	4.01	549	11-70		36	751	.05	35	51
21-16-0017	697891	117936	7-65	4	255	15,450	4.34	670	8	12,462	3.93	490	4-72		44	856	.07	42	60
21-16-0017	703818	117936	12-65	4	198	13,797	3.95	545	8	12,057	3.86	466	4-71	B	44	697	.02	29	45
21-16-0017	706500	117936	12-65	1	238	16,920	3.72	630	8	12,670	3.97	503	3-71	B	36	861	-.01	32	52
21-16-0017	706501	117936	1-66	4	296	15,257	4.08	623	13	12,355	4.04	499	2-72		44	844	.02	35	54
21-16-0017	712765	117936	11-66	3	305	15,350	4.23	649	14	12,496	4.07	508	7-71		42	827	.04	37	55
21-16-0017	719615	117936	3-67	3	305	16,786	4.14	695	16	12,570	4.10	515	8-71		42	984	.02	41	63
21-16-0017	724948	117936	9-67	2	297	14,750	3.68	543	12	12,555	4.01	503	7-71		40	737	-.03	25	43
21-16-0017	726265	117936	8-67	2	305	15,595	4.00	624	12	12,215	4.15	507	11-71		40	854	.00	33	53
21-16-0017	726267	117936	9-67	2	298	13,870	4.17	578	16	12,580	4.05	510	8-71		40	646	.02	28	43
21-16-0017	726271	117936	10-67	2	297	15,430	4.15	641	13	12,310	4.13	508	12-71		40	829	.02	35	54
21-16-0017	747022	117936	8-68	1	305	14,740	4.12	608	16	12,120	4.08	495	8-71		36	736	.02	31	48
21-16-0017	756556	117936	8-67	2	305	17,270	4.20	726	11	12,830	3.98	510	2-72		40	968	.04	43	65
21-16-0017	772051	117936	9-68	1	305	15,750	3.80	598	7	12,220	3.91	478	4-71		36	804	.00	31	5[illegible]
21-16-0235	695832	117936	4-65	1	135	15,510	3.78	587	9	10,170	3.54	360	1-71	B	36	924	.02	38	59
21-16-0235	704376	117936	3-66	2	253	13,000	3.87	503	14	11,565	3.64	421	11-70	B	40	650	.03	29	43
21-16-0235	740993	117936	2-68	1	117	13,630	3.48	474	9	10,260	3.56	365	2-71	B	36	778	-.01	29	47
21-16-0237	680869	117936	9-63	6	265	14,533	4.10	596	11	12,200	4.02	491	2-71		44	779	.02	33	51
21-16-0237	704607	117936	4-66	3	239	15,143	3.99	604	10	12,680	3.99	506	4-71		42	784	.01	32	50
21-16-0237	711441	117936	9-66	3	305	17,370	3.77	654	15	13,376	3.94	527	3-72		42	968	-.02	35	58
21-16-0237	711442	117936	9-66	2	305	16,900	3.40	575	21	12,820	3.90	500	9-70		40	932	-.06	29	52
21-16-0237	722397	117936	10-66	3	296	16,213	3.54	574	7	12,100	3.84	465	7-71		42	967	-.04	33	56
21-16-0237	729693	117936	10-67	2	305	16,150	3.57	576	25	13,310	3.86	514	1-72		40	811	-.03	28	48
21-16-0237	731061	117936	2-68	2	305	15,590	3.59	560	22	12,655	3.83	485	8-71		40	814	-.02	29	48
21-16-0237	735961	117936	9-67	1	305	15,170	4.12	625	18	13,890	3.92	544	12-71		36	649	.03	29	43
21-16-0237	735962	117936	9-67	2	225	15,600	3.85	600	7	12,645	3.96	501	3-71		40	816	-.01	31	50
21-16-0237	743394	117936	3-69	1	305	15,430	3.52	543	11	13,060	3.95	516	7-71		36	724	-.03	24	42
21-16-0237	744568	117936	2-69	1	305	17,460	3.60	628	14	12,880	3.90	502	8-71		36	888	-.02	32	53
21-16-0237	749328	117936	6-69	1	305	14,910	4.37	652	14	12,880	3.90	502	8-71		36	698	.05	33	43
21-16-0319	687843	117936	1-65	4	288	14,120	3.92	554	10	11,645	3.96	461	4-71	B	44	783	.01	31	49
21-16-0319	718661	117936	11-66	2	305	12,345	3.84	474	14	10,200	3.98	406	3-71		40	709	.00	27	44
21-16-0472	696619	117936	6-65	3	305	16,443	3.93	646	8	14,000	3.76	526	6-71		42	797	.03	35	53
21-16-0472	710026	117936	3-66	3	297	16,440	3.77	619	7	13,323	3.77	502	8-71		42	866	.00	34	54
21-16-0472	748692	117936	5-69	1	305	14,770	3.68	544	5	11,240	3.98	447	9-71		36	797	-.02	29	48

TABLE 1. AYRSHIRE USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C D	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
21-19-0112	670711	-- 117936	9-63	6	295	17,038	3.53	602	10	13,223	3.77	499	9-70		44	983	-.04	33	$ 57
21-19-0112	695652	117936	9-65	5	304	14,982	3.94	590	8	13,636	3.71	506	12-71		44	670	.04	31	46
21-19-0112	708103	117936	4-66	2	305	18,670	3.74	698	5	13,795	3.85	531	4-71		40	1,022	-.01	39	63
21-19-0112	708104	117936	4-66	3	291	18,056	3.61	652	6	13,916	3.75	522	12-70		42	991	-.02	36	60
21-19-0112	708106	117936	6-66	3	305	16,560	3.63	601	8	13,613	3.78	515	2-71		42	850	-.02	30	53
21-19-0112	714791	117936	12-66	3	303	17,463	3.81	665	5	13,840	3.69	511	9-71		42	931	.02	38	59
21-19-0112	739847	117936	11-68	2	287	16,820	3.72	625	10	13,555	3.65	495	11-71		40	856	.01	34	54
21-19-0112	739848	117936	11-68	1	305	16,070	3.35	539	12	11,690	3.69	431	2-72		36	864	-.03	30	51
21-19-0112	739849	117936	12-68	1	305	17,450	3.54	618	5	12,080	3.92	474	6-71		36	940	-.03	33	56
21-19-0112	751697	117936	1-69	1	305	15,040	3.65	549	11	13,010	3.84	499	9-71		36	699	-.01	26	42
21-19-0112	755008	117936	11-69	1	305	15,130	4.03	609	12	11,690	3.69	431	2-72		36	794	.03	35	53
21-19-0113	671012	117936	7-63	5	305	14,312	3.96	567	8	10,652	3.89	414	1-71		44	930	.02	39	60
21-19-0113	691478	117936	5-64	6	293	12,651	4.32	546	6	9,920	3.92	389	1-72	B	44	801	.06	39	56
21-19-0113	691861	117936	1-65	5	283	12,652	4.05	512	6	9,794	3.93	385	2-72	B	44	816	.03	35	53
21-19-0113	698417	117936	7-65	4	289	13,182	3.94	520	5	9,890	3.97	393	1-72	B	44	862	.00	34	54
21-19-0113	723398	117936	7-67	2	305	12,630	4.13	521	5	10,200	3.90	398	10-71		40	737	.04	33	49
21-19-0113	728322	117936	8-67	2	305	14,300	3.73	533	5	10,475	3.89	407	7-71		40	882	-.01	33	54
21-21-0361	678111	117936	5-64	6	283	16,240	3.91	635	43	12,521	3.91	489	10-71		44	962	.01	39	61
21-21-0361	685777	117936	10-64	5	299	14,712	3.79	557	34	11,946	3.95	472	3-72		44	832	-.01	31	51
21-21-0361	692597	117936	2-65	4	295	14,532	3.72	541	29	11,707	3.93	460	7-71		44	827	-.02	30	50
21-21-0361	692909	117936	5-65	2	305	14,690	3.98	584	61	11,995	3.78	454	9-71		40	783	.03	34	52
21-21-0361	695009	117936	8-65	5	289	15,858	3.66	580	48	12,348	3.94	487	12-71		44	933	-.03	32	55
21-21-0361	697629	117936	11-65	5	305	14,734	3.69	544	39	11,696	3.92	458	10-71		44	863	-.02	31	52
21-21-0361	708800	117936	9-66	4	303	15,442	4.05	625	34	11,670	3.91	456	8-71		44	943	.03	40	61
21-21-0361	712835	117936	12-66	3	298	14,916	4.01	598	37	12,206	3.89	475	2-72		42	807	.02	34	52
21-21-0361	730165	117936	12-67	2	295	14,820	3.58	530	42	12,000	3.83	459	7-71		40	795	-.02	28	47
21-21-0361	730166	117936	12-67	3	305	14,483	3.96	573	36	12,590	3.92	494	2-72		42	717	.01	29	46
21-21-0361	730169	127580	1-68	2	305	18,290	3.29	601	71	12,075	3.78	456	9-71		29	851	-.10	21	43
21-21-0616	688125	117936	9-64	5	283	12,938	3.97	514	29	11,318	4.07	461	3-71		44	676	.00	26	42
21-21-0616	696139	117936	3-64	5	293	15,538	4.05	630	23	11,578	3.96	459	12-70		44	981	.03	42	64
21-21-0616	704010	117936	12-65	4	302	15,727	4.21	662	21	11,880	4.01	476	8-71		44	955	.05	43	64
21-21-0616	713950	117936	10-66	2	305	19,125	3.64	696	18	12,870	3.99	514	2-71		40	1,153	-.04	40	66
21-21-0616	716727	117936	11-66	4	298	15,015	3.85	578	22	11,872	4.04	480	10-71		44	868	-.01	32	53
21-21-0616	716738	117936	12-66	3	305	15,633	3.79	593	17	13,040	4.00	521	3-72		42	803	-.02	29	46
21-21-0616	716741	117936	1-67	3	305	14,813	3.87	573	22	12,313	4.01	494	10-71		42	784	-.01	29	45
21-21-0616	725055	117936	8-67	1	305	15,170	3.22	489	18	12,330	3.76	464	11-70		36	754	-.04	24	43
21-21-0616	730145	117936	5-67	2	305	16,500	3.82	631	19	12,890	3.89	502	12-71		40	885	.00	34	55
21-21-0616	730201	117936	11-67	2	305	14,270	3.46	494	20	11,730	3.88	455	7-71		40	764	-.04	25	44
21-21-0616	730204	117936	12-67	2	280	13,375	3.84	514	20	11,730	3.88	455	7-71		40	673	.01	27	43
21-21-0616	730205	117936	12-67	2	305	15,965	3.67	586	20	11,730	3.88	455	7-71		40	936	-.02	34	55
21-21-0616	730209	117936	1-68	2	305	15,865	3.90	618	22	12,015	3.91	470	9-71		40	900	.01	36	57
21-21-0616	739175	117936	3-68	2	305	14,110	3.92	553	19	12,415	3.89	483	10-71		40	685	.01	28	44
21-21-0616	739176	117936	3-68	1	305	13,850	4.19	580	20	11,950	3.72	445	10-70		36	681	.05	32	47
21-21-0616	739184	117936	8-68	1	305	14,900	4.17	621	21	12,770	3.90	498	4-71		36	704	.03	31	47
21-21-0616	739185	117936	8-68	1	285	14,840	3.94	584	20	12,320	4.08	503	9-71		36	730	.00	28	45
21-21-0616	739187	117936	9-68	1	305	16,650	3.80	633	8	13,510	4.04	546	4-72		36	785	-.01	29	48
21-21-0616	739193	117936	11-68	1	299	13,840	4.20	581	24	11,760	4.00	470	7-71		36	693	.03	30	46
21-21-0616	739773	117936	8-68	2	303	18,455	3.66	676	19	12,790	3.87	495	11-71		40	1,092	-.02	40	65
21-21-0616	751845	117936	12-68	1	305	19,760	3.30	653	21	12,770	3.90	498	4-71		36	1,066	-.06	34	60
21-21-0616	752113	117936	3-69	1	305	13,830	4.03	557	24	11,760	4.00	470	7-71		36	692	.01	28	44
21-22-0049	713995	117936	9-66	4	304	15,402	3.49	538	12	11,815	4.02	475	12-71		44	922	-.07	27	50
21-22-0049	735541	117936	3-68	1	305	13,270	3.87	514	7	11,410	4.00	456	8-70		36	674	.00	26	42
21-22-0172	632979	117936	4-61	6	270	12,870	3.99	514	9	11,195	3.89	436	4-71		44	681	.02	29	44
21-22-0172	683354	117936	10-63	4	243	15,190	3.77	572	9	12,405	3.85	477	3-71		44	831	-.01	31	51
21-22-0172	703900	117936	12-65	3	298	14,530	3.72	541	6	11,273	3.88	437	6-71		42	859	-.01	32	52
21-22-0172	714789	117936	11-66	3	299	16,346	3.57	584	6	12,183	3.82	465	11-71		42	974	-.03	34	57
21-22-0172	731811	117936	5-67	3	297	15,990	3.55	567	7	12,010	3.82	459	11-71		42	951	-.04	32	55
21-22-0172	731813	117936	9-67	3	291	14,576	4.01	585	6	12,160	3.80	462	12-71		42	772	.03	34	51
21-22-0172	738740	117936	3-68	2	305	14,770	3.97	586	5	11,915	3.78	450	12-71		40	798	.03	35	53
21-22-0172	748513	117936	4-69	1	305	14,130	4.08	577	7	11,590	4.03	467	7-71		36	726	.02	30	47
21-23-0280	703345	117936	3-66	1	228	14,080	4.01	565	6	9,720	4.07	396	12-70	B	36	848	.01	34	54
21-24-0671	677404	117936	11-63	5	305	13,738	3.83	526	13	10,418	3.95	412	3-71		44	883	.00	34	55
21-24-0671	697004	117936	3-65	5	304	13,206	3.54	468	7	10,784	3.99	430	11-71		44	772	-.05	24	43
21-24-0671	697010	117936	9-65	4	304	13,882	3.75	520	12	10,547	3.94	416	6-71		44	876	-.02	32	53
21-24-0671	720312	117936	12-66	3	302	12,096	4.14	501	9	10,833	3.98	431	9-71		42	625	.03	28	42
21-28-0541	685376	117936	1-64	5	289	12,794	3.95	506	5	10,300	4.09	421	1-71	B	44	775	.00	30	48
21-28-0541	715248	117936	12-66	2	238	12,965	3.83	497	6	10,720	3.90	418	4-71	B	40	724	.01	29	46
21-29-0363	686292	117936	9-64	5	285	12,852	3.71	477	16	10,670	3.83	409	9-71		44	740	-.01	28	45
21-29-0363	689482	117936	11-64	4	304	14,772	3.86	570	15	10,592	3.82	405	11-71		44	980	.01	39	62
21-29-0363	711174	117936	11-66	2	305	14,150	3.97	562	7	11,115	3.84	427	9-71		40	808	.02	34	52
21-29-0363	761318	117936	10-67	2	294	13,190	3.78	499	6	10,805	3.76	406	4-72		40	739	.01	30	47
21-30-0854	712903	117936	9-66	3	305	16,330	3.64	594	40	11,343	3.86	438	11-71		42	1,059	-.02	38	63
21-30-0854	718797	117936	1-67	2	305	13,165	4.16	548	34	11,175	3.81	426	8-71		40	703	.05	33	48
21-30-0854	718799	117936	3-67	3	288	13,066	3.79	495	43	11,486	3.86	443	10-71		42	669	.00	26	42
21-30-0854	723881	117936	8-67	2	271	14,660	3.67	538	8	11,950	3.63	434	4-72		40	784	.00	31	49
21-30-0854	732876	117936	3-68	2	301	15,365	3.72	571	26	11,765	3.73	439	3-72		40	872	.00	34	54
21-30-0854	732879	117936	3-68	1	305	16,000	3.87	619	45	11,970	3.82	457	8-71		36	840	.01	34	53
21-30-0854	733572	117936	11-67	2	305	12,980	3.91	508	41	11,250	3.83	431	9-71		40	677	.01	28	43
21-30-0854	740739	117936	8-68	2	305	13,005	4.27	555	41	11,720	3.78	443	11-71		40	637	.06	32	46
21-31-0048	747008	117936	3-69	1	305	13,090	3.73	488	10	11,110	3.78	420	11-71		36	681	.00	27	43
21-32-0014	678842	117936	7-63	6	282	13,495	3.90	526	9	11,485	3.92	450	8-70	B	44	728	.01	29	46
21-32-0014	703518	117936	1-66	3	257	15,173	3.64	553	10	11,413	3.92	447	10-70	B	42	918	-.03	32	54
21-32-0014	722393	117936	10-65	3	256	17,530	3.87	678	9	11,773	3.88	457	10-70	B	42	1,152	.00	45	72
21-32-0014	722933	117936	10-64	2	224	13,945	4.27	596	10	11,790	3.89	459	10-70	B	40	726	.06	35	51
21-32-0866	667662	117936	9-63	5	289	16,214	4.22	685	22	13,354	4.19	559	1-71	B	44	862	.03	37	56

TABLE 1. AYRSHIRE USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C O	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
21-32-0866	673497	117936	11-63	5	297	16,930	4.05	686	25	13,270	4.13	548	10-70		44	964	.00	38	$ 60
21-32-0866	684367	117936	9-64	4	288	18,837	4.03	760	20	13,240	4.15	550	1-71	B	44	1,188	.01	47	75
21-32-0866	686305	117936	11-64	4	304	15,917	3.79	603	22	13,190	4.10	541	10-70		44	833	-.03	28	48
21-32-0866	686306	117936	12-64	4	283	15,907	3.56	567	22	13,310	4.12	549	11-70		44	819	-.07	23	44
21-32-0866	695429	117936	8-65	4	300	16,615	3.90	648	23	13,242	4.12	545	11-70		44	914	-.02	33	55
21-35-0019	675701	117936	12-63	6	301	14,265	3.72	530	6	11,056	3.84	425	8-71		44	877	-.01	33	54
21-35-0019	675702	117936	12-63	6	303	13,535	4.03	545	7	11,210	3.80	426	10-71		44	765	.04	34	51
21-35-0019	675703	117936	2-64	5	302	14,351	3.62	519	11	11,601	3.76	436	1-72		44	825	-.02	30	50
21-35-0019	688663	117936	11-64	5	305	13,320	3.93	524	14	11,596	3.75	435	1-72		44	693	.03	31	46
21-35-0019	730740	117936	10-67	3	305	15,356	3.59	551	12	12,383	3.76	465	11-71		42	839	-.02	30	50
21-35-0019	730743	117936	11-67	3	305	18,040	3.66	661	6	13,183	3.80	501	3-72		42	1,065	-.02	39	64
21-35-0019	740791	117936	10-68	1	305	15,380	3.60	554	7	12,320	3.88	478	8-71		36	770	-.02	28	46
21-35-0198	719535	117936	9-65	4	296	14,287	4.03	576	11	11,520	4.05	466	10-71		44	817	.01	33	52
21-35-0198	730367	117936	5-67	2	304	16,745	4.00	669	7	11,855	3.96	470	6-71		40	1,004	.02	41	64
21-35-0198	746338	117936	5-69	1	305	15,810	3.73	590	11	12,180	3.97	483	1-72		36	812	-.01	30	49
21-35-0218	659569	124495	2-63	6	302	16,462	3.74	616	6	11,890	3.84	457	4-71		34	758	-.03	25	44
21-35-0911	677950	117936	10-63	2	305	19,550	3.86	755	5	13,895	3.61	502	8-71		40	1,102	.03	47	72
21-35-0911	679951	117936	11-63	2	304	16,445	3.41	560	11	14,235	3.69	525	1-72		40	756	-.04	25	43
21-35-0911	692292	117936	11-64	2	305	16,275	3.77	613	11	13,515	3.68	498	11-71		40	805	.01	33	51
21-35-0911	731799	117936	11-67	2	211	14,805	3.37	499	5	12,955	3.54	459	5-71	8	40	707	-.02	25	42
21-35-0911	763572	117936	12-66	2	305	15,855	3.65	578	8	13,665	3.58	489	8-71		40	748	.01	30	47
21-37-0609	686779	117936	9-64	5	301	17,136	4.23	725	8	13,678	3.82	523	7-71		44	943	.08	46	66
21-37-0609	726044	117936	10-67	2	302	16,665	3.86	644	8	13,885	4.01	557	12-71		40	810	.00	31	50
21-37-0609	731424	117936	12-67	2	304	16,610	4.08	678	15	13,260	4.01	532	8-71		40	862	.02	36	56
21-37-0609	736282	117936	2-68	2	305	18,540	4.21	780	12	13,245	3.97	526	7-71		40	1,059	.05	47	71
21-37-0609	737534	117936	7-68	1	305	16,400	3.82	627	14	12,930	4.04	523	7-71		36	805	-.01	30	49
21-37-0609	737535	117936	8-68	1	305	14,980	3.93	588	15	12,410	4.18	519	9-71		36	734	-.01	27	44
21-37-0609	737539	117936	10-68	1	305	14,370	4.26	612	11	12,930	4.01	518	6-71		36	654	.03	29	44
21-37-0609	737540	117936	10-68	1	305	13,500	4.50	607	15	12,410	4.18	519	9-71		36	624	.04	29	43
21-39-0003	687945	117936	12-64	1	305	16,880	4.02	678	13	13,500	3.93	531	10-71		36	803	.02	33	51
21-39-0003	691720	117936	2-65	2	305	17,475	3.89	679	8	13,635	3.92	535	10-71		40	915	.00	36	57
21-39-0003	695929	117936	8-65	1	305	18,920	3.85	729	11	13,300	3.90	519	8-71		36	968	.00	38	60
21-39-0003	698642	117936	11-65	1	305	15,210	4.04	615	11	13,340	3.84	512	7-71		36	689	.03	30	45
21-39-0003	698643	117936	11-65	1	282	16,810	3.67	617	11	13,200	3.87	511	6-71		36	818	-.01	30	49
21-39-0003	698644	117936	12-65	1	305	16,590	4.44	736	14	13,470	3.96	534	11-71		36	783	.05	37	54
21-39-0003	698645	117936	12-65	2	305	18,795	4.29	807	9	13,620	3.94	536	11-71		40	1,051	.07	49	72
21-39-0003	706722	117936	4-66	2	305	16,975	3.68	624	8	13,630	3.95	538	12-71		40	865	-.03	30	51
21-39-0003	706726	117936	7-66	1	300	18,810	3.94	741	11	13,340	3.84	512	7-71		36	957	.02	39	61
21-39-0003	706728	117936	7-66	1	299	15,570	4.14	644	14	13,470	3.96	534	11-71		36	707	.03	31	47
21-39-0003	715676	117936	1-67	2	304	17,430	3.93	685	9	13,620	3.94	536	11-71		40	912	.01	37	58
21-39-0003	715678	117936	3-67	2	296	16,825	3.79	637	16	13,625	4.00	545	2-72		40	850	-.02	31	51
21-39-0003	730605	117936	12-67	1	305	16,240	4.47	726	11	13,200	3.87	511	6-71		36	775	.06	38	55
21-39-0003	743207	117936	3-69	1	305	17,730	3.64	645	13	13,500	3.93	531	10-71		36	866	-.02	31	52
21-39-0003	747753	117936	5-69	1	305	18,100	3.69	668	19	13,250	4.09	542	2-72		36	910	-.03	32	54
21-39-0279	654914	117936	9-62	6	304	15,563	3.98	619	7	12,571	3.87	486	4-72		44	869	.03	37	57
21-39-0279	661456	117936	9-62	5	299	14,694	3.82	561	12	13,150	3.87	509	6-71		44	689	.00	27	43
21-39-0279	671543	117936	7-63	5	291	14,170	4.03	571	9	12,624	3.90	492	3-71		44	683	.03	30	45
21-39-0279	703791	117936	11-65	4	298	16,857	3.95	666	10	13,340	3.88	517	3-71		44	933	.02	39	5
21-39-0279	710055	117936	3-66	1	305	13,110	4.79	628	11	12,040	3.98	479	7-71		36	620	.07	33	40
21-39-0279	714009	117936	9-66	3	302	15,193	4.50	684	11	12,713	3.87	492	8-71		42	786	.09	42	55
21-39-0279	722401	117936	1-67	3	305	16,360	4.08	668	11	12,920	3.89	503	10-71		42	899	.03	39	59
21-39-0279	734456	117936	11-67	2	297	14,255	4.28	610	11	12,440	3.87	482	8-71		40	698	.06	34	49
21-39-0279	744808	117936	1-69	1	305	13,120	4.40	577	11	11,990	3.99	479	6-71		36	624	.04	29	43
21-39-0279	745411	117936	3-69	1	304	15,510	4.02	624	11	12,040	3.98	479	7-71		36	799	.02	33	51
21-39-0279	750856	117936	6-69	1	305	14,840	4.13	613	9	11,430	4.04	462	9-71		36	790	.02	33	51
21-39-0406	708795	117936	9-66	3	267	15,310	3.93	602	15	13,470	4.14	557	2-72		42	721	-.02	26	43
21-39-0406	719618	117936	7-66	3	300	15,316	3.45	529	7	13,083	3.79	496	5-71		42	762	-.05	24	43
21-39-0406	733587	117936	9-67	2	299	13,865	4.10	569	27	11,825	3.93	465	9-71		40	714	.04	32	48
21-39-0438	692911	117936	1-65	5	303	14,166	4.07	576	6	12,356	4.05	500	8-71		44	714	.02	31	46
21-39-0438	713055	117936	9-66	3	289	14,393	4.10	590	5	12,286	4.09	503	3-72		42	738	.01	30	47
21-39-0438	723970	117936	2-67	3	281	14,536	3.96	576	5	12,250	4.08	500	3-72		42	759	.00	29	47
21-39-0438	731457	117936	10-67	2	305	15,125	3.93	595	6	12,440	4.08	507	12-71		40	786	.00	30	46
21-39-0438	731459	117936	11-67	2	305	17,200	3.92	674	6	12,615	3.96	500	10-71		40	981	.01	39	62
21-39-0438	735133	117936	1-68	2	303	16,640	4.07	677	6	12,650	3.97	502	10-71		40	921	.03	39	61
21-39-0438	735134	117936	5-68	1	305	16,220	3.91	635	6	12,450	3.95	492	11-71		36	824	.01	33	52
21-39-0438	735135	117936	6-68	1	305	14,440	4.31	623	6	12,450	3.95	492	11-71		36	691	.04	32	47
21-39-0438	735136	117936	7-68	1	305	13,720	4.61	632	6	12,420	4.21	523	1-72		36	640	.04	30	44
21-39-0438	739880	117936	9-68	1	305	14,080	4.21	593	6	12,210	3.97	485	9-71		36	681	.03	30	45
21-39-0438	742635	117936	1-69	1	305	15,820	3.67	581	5	11,770	4.29	505	3-72		36	840	-.04	28	46
21-39-0438	742638	117936	2-69	1	305	16,110	4.07	655	5	11,790	4.28	505	2-72		36	860	.00	33	53
21-39-0575	664440	117936	7-62	7	296	14,318	4.19	600	17	11,550	4.00	462	2-71		44	827	.04	37	55
21-39-0575	665380	117936	12-62	7	294	13,587	4.61	627	15	12,060	3.96	478	10-71		44	673	.11	39	52
21-39-0575	675568	117936	4-63	7	277	14,807	3.86	572	14	12,130	3.93	477	12-71		44	822	.00	32	51
21-39-0575	700160	117936	11-65	5	273	14,312	3.73	534	14	11,930	3.96	472	11-71		44	782	-.02	28	47
21-39-0575	701628	117936	7-65	4	300	14,057	3.85	541	15	12,325	3.93	484	8-71		44	700	.00	27	43
21-39-0575	741132	117936	7-68	1	305	16,620	4.01	666	23	12,950	3.92	507	3-71		36	820	.02	34	53
21-39-0575	743297	117936	5-68	2	302	14,830	3.58	531	18	12,675	3.90	494	3-72		40	735	-.03	25	43
21-39-0922	601783	117936	12-58	9	301	15,258	3.86	589	17	12,126	3.91	474	8-71		44	881	.00	34	55
21-39-0922	649607	117936	10-61	7	305	17,028	3.92	667	22	12,295	3.97	488	12-71		44	1,090	.01	43	68
21-39-0922	661539	117936	8-62	6	293	16,271	3.71	604	22	12,050	3.96	477	8-70		44	1,021	-.03	36	61
21-39-0922	677847	117936	2-64	6	304	15,780	3.97	627	19	12,236	3.92	480	12-71		44	936	.02	39	60
21-39-0922	685788	117936	7-64	6	302	14,828	4.23	627	20	12,485	3.91	488	1-72		44	784	.06	38	55
21-39-0922	690127	117936	11-64	5	303	15,912	3.76	599	20	12,072	3.89	469	5-71		44	972	-.01	36	59
21-39-0922	694609	117936	3-65	5	300	15,814	3.64	576	20	11,846	3.89	461	8-71		44	985	-.03	34	58
21-39-0922	699557	117936	8-65	4	305	13,567	4.32	586	20	11,912	3.87	461	11-71		44	685	.07	35	49

TABLE 1. AYRSHIRE USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C O	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
21-39-0922	701747	117936	1-66	5	293	14,326	3.70	530	19	12,602	3.86	487	1-72		44	706	-.02	25	$ 42
21-39-0922	704434	117936	1-66	4	304	14,995	3.85	577	21	11,837	3.87	458	9-71		44	870	.00	34	54
21-39-0922	713609	117936	9-66	3	305	14,670	3.89	571	17	12,316	3.84	473	1-72		42	767	.01	31	49
21-39-0922	718294	117936	10-66	3	303	15,276	4.03	615	22	11,976	3.84	460	11-71		42	872	.03	38	58
21-39-0922	719561	117936	2-67	3	300	14,963	3.46	518	23	12,156	3.81	463	6-71		42	817	-.05	26	46
21-39-0922	721919	117936	1-67	3	305	14,646	3.86	566	22	11,880	3.81	453	7-71		42	809	.01	33	52
21-39-0922	724967	117936	3-67	3	296	14,696	4.14	608	10	12,300	3.80	467	4-72		42	772	.05	36	53
21-39-0922	724969	117936	5-67	2	305	13,795	3.81	525	26	12,210	3.76	459	7-71		40	672	.02	28	43
21-39-0922	724972	117936	9-67	2	297	14,710	3.56	524	20	12,820	3.72	477	6-71		40	709	-.01	26	43
21-39-0922	727443	117936	5-65	3	305	16,420	3.76	618	24	12,370	3.81	471	8-71		42	963	.00	37	60
21-39-0922	727640	117936	7-67	2	301	13,640	4.02	548	9	11,940	3.86	461	3-72		40	681	.03	30	45
21-39-0922	728813	117936	9-67	3	297	14,636	3.94	577	16	12,543	3.82	479	1-72		42	740	.02	31	48
21-39-0922	729971	117936	10-67	2	305	15,000	3.99	599	25	12,205	3.75	458	7-71		40	795	.03	35	53
21-39-0922	733444	117936	1-68	2	305	14,810	3.95	585	24	12,100	3.80	460	11-71		40	785	.03	34	52
21-39-0922	739928	117936	8-68	1	305	16,150	3.84	620	14	12,480	3.82	477	10-70		36	817	.01	33	52
21-39-0922	740634	117936	8-68	1	305	14,800	4.04	598	23	12,250	3.81	467	7-71		36	732	.03	32	48
21-39-0922	741705	117936	9-68	1	305	15,330	3.78	579	22	12,460	3.84	478	9-71		36	757	.01	30	48
21-39-0922	743371	117936	11-68	1	305	14,600	3.90	570	25	12,120	3.85	467	8-71		36	725	.02	30	47
21-39-0922	743677	117936	11-68	1	305	15,440	3.29	508	17	11,540	3.80	439	5-71		36	827	-.04	27	47
21-39-0922	744932	117936	1-69	1	305	13,800	4.12	569	16	12,000	3.90	468	12-71		36	674	.02	29	44
21-39-0996	677742	117936	1-64	6	305	19,251	4.05	779	17	13,321	3.87	516	11-71		44	1,257	.04	54	82
21-39-0996	689276	117936	11-64	5	305	19,238	3.82	734	20	13,568	3.93	533	12-71		44	1,227	-.01	46	75
21-39-0996	709801	117936	11-66	3	305	14,696	4.06	596	12	13,220	3.82	505	11-71		42	677	.04	31	46
21-39-0996	712140	117936	8-66	4	305	16,310	3.92	639	16	13,557	3.89	527	4-72		44	841	.01	34	53
21-39-0996	712148	117936	10-66	3	302	15,253	4.08	622	13	13,300	3.89	518	9-71		42	732	.04	33	49
21-39-0996	712149	117936	10-66	3	302	15,520	3.78	586	14	13,483	3.82	515	7-71		42	744	.00	29	46
21-39-0996	716168	117936	1-67	3	305	18,493	3.86	713	15	13,790	3.92	540	11-71		42	1,054	.00	41	66
21-39-0996	716170	117936	1-67	3	303	14,510	4.14	600	13	13,300	3.89	518	9-71		42	647	.04	30	44
21-39-0996	724909	117936	5-67	3	305	16,826	3.83	644	15	13,720	3.94	541	1-72		42	870	-.01	33	53
21-39-0996	725141	117936	7-67	3	305	15,210	4.16	633	15	13,536	3.94	533	1-72		42	703	.04	32	48
21-39-0996	728789	117936	10-67	2	305	16,395	4.13	677	13	13,700	3.80	520	4-71		40	800	.05	37	55
21-39-0996	728791	117936	10-67	2	305	16,420	4.10	673	10	13,235	3.84	508	10-71		40	845	.04	38	57
21-39-0996	728793	117936	11-67	2	305	15,035	4.00	601	10	12,840	3.85	494	8-71		40	740	.03	32	49
21-39-0996	732928	117936	11-67	2	292	15,345	4.00	614	9	13,140	3.87	508	1-72		40	745	.03	32	49
21-39-0996	732930	117936	12-67	2	305	17,505	3.71	650	12	14,065	4.01	564	12-71		40	879	-.02	31	52
21-39-0996	732931	117936	1-68	1	305	15,160	3.78	573	7	13,470	3.64	490	8-70		36	677	.01	28	43
21-39-0996	740658	117936	12-68	1	305	16,870	4.24	716	7	13,630	3.99	544	3-72		36	793	.03	35	53
21-39-0996	740686	117936	10-68	1	305	15,590	4.09	637	15	12,320	3.93	484	5-71		36	786	.02	33	51
21-39-0996	740687	117936	11-68	1	305	15,400	3.58	551	12	12,810	4.11	526	1-72		36	739	-.04	24	42
21-39-0996	740689	117936	12-68	1	305	15,010	4.28	642	13	13,000	4.05	526	10-71		36	697	.03	31	47
21-39-0996	740692	117936	1-69	1	305	15,040	4.21	633	13	13,000	4.05	526	10-71		36	699	.02	30	46
21-39-0996	745168	117936	4-69	1	305	18,130	3.59	650	7	13,630	3.99	544	3-72		36	887	-.04	30	51
21-39-0996	745290	117936	4-69	1	305	14,760	4.15	612	14	12,640	4.06	513	9-71		36	703	.02	30	46
21-42-0029	720359	117936	11-66	3	305	15,240	3.88	592	8	11,390	3.92	447	6-71		42	929	.01	37	58
21-42-0029	720361	117936	1-67	3	294	12,116	4.42	536	7	11,080	3.92	434	8-71		42	601	.06	31	44
21-42-0029	722986	117936	5-66	3	303	13,206	4.69	619	10	11,720	3.95	463	3-71		42	660	.10	38	51
21-42-0029	724810	117936	8-67	3	268	13,456	4.09	550	7	12,316	3.86	476	11-71		42	628	.04	29	43
21-42-0029	729671	117936	3-68	2	299	13,345	4.56	608	9	12,320	3.96	488	4-71		40	616	.08	33	46
21-42-0029	740483	117936	8-68	2	279	13,325	3.93	524	8	11,625	3.88	451	10-71		40	678	.01	28	44
21-42-0066	686853	117936	12-64	3	264	14,223	3.72	529	5	11,716	3.82	447	7-71		42	778	-.01	29	47
21-42-0492	665949	117936	12-62	7	297	16,204	3.76	610	10	13,410	3.89	522	3-72		44	854	-.01	32	52
21-42-0492	690505	117936	9-64	6	302	15,986	3.67	587	13	13,840	3.89	538	2-72		44	776	-.03	27	46
21-42-0492	711725	117936	10-65	4	305	16,907	3.74	632	10	13,422	3.95	530	7-71		44	930	-.02	33	55
21-42-0492	711729	117936	12-65	5	305	16,502	3.82	631	9	13,770	3.97	546	4-72		44	851	-.01	32	52
21-42-0492	711731	117936	12-65	4	301	16,347	3.94	644	12	12,355	3.89	481	7-71		44	979	.02	40	62
21-42-0492	744663	117936	1-67	4	298	14,527	3.94	572	11	12,932	3.84	496	2-72		44	690	.02	29	45
21-42-0492	751377	117936	8-67	2	301	17,075	3.93	671	13	13,280	3.91	519	7-71		40	907	.01	37	58
21-42-0720	699053	117936	12-65	3	304	14,220	4.04	575	7	10,600	3.74	396	11-71		42	893	.04	40	60
21-42-0720	714010	117936	9-66	3	305	12,786	3.68	470	12	10,666	3.88	414	6-71		42	721	-.02	26	43
21-42-0720	736995	117936	8-68	1	305	14,880	3.63	540	8	11,920	3.78	451	10-71		36	760	-.01	28	46
21-42-0720	755220	117936	3-69	1	305	14,430	3.76	543	8	11,890	3.78	450	9-71		36	728	.01	29	46
21-42-0751	655436	117936	8-62	8	298	13,123	4.21	552	39	11,826	3.92	464	11-71		44	641	.05	31	45
21-42-0751	664678	117936	4-63	6	304	17,115	3.89	665	32	12,180	3.87	471	12-70		44	1,114	.01	45	71
21-42-0751	664679	117936	4-63	6	299	15,160	4.04	613	31	11,915	3.89	464	3-71		44	893	.04	39	59
21-42-0751	672378	117936	8-63	6	303	15,241	3.67	559	25	12,035	3.87	466	9-71		44	889	-.02	32	53
21-42-0751	694653	117936	5-65	5	303	15,944	3.76	600	34	12,040	3.90	469	9-71		44	980	-.01	37	60
21-42-0751	698035	117936	7-65	4	299	13,547	4.40	596	38	11,902	3.94	469	4-71		44	684	.07	35	49
21-42-0751	698041	117936	10-65	4	302	12,905	4.04	521	23	11,605	3.87	449	4-71		44	637	.03	28	42
21-42-0751	698045	117936	11-65	4	301	16,142	3.78	610	33	11,785	3.88	457	8-71		44	1,017	-.01	38	62
21-42-0751	710786	117936	7-66	4	305	16,400	4.02	659	28	12,275	3.84	471	2-72		44	994	.04	43	65
21-42-0751	710795	117936	9-66	4	296	14,350	3.62	520	31	12,232	3.85	471	2-72		44	746	-.02	26	44
21-42-0751	710796	117936	10-66	3	305	14,020	3.71	520	28	12,066	3.85	465	9-71		42	718	-.02	26	43
21-42-0751	710803	117936	10-66	3	299	14,846	3.88	576	26	12,203	3.84	468	1-72		42	799	.02	33	51
21-42-0751	714235	117936	1-67	3	282	12,993	3.97	516	24	11,620	3.82	444	6-71		42	646	.02	28	43
21-42-0751	714237	117936	1-67	3	303	15,033	3.84	577	27	11,616	3.85	447	7-71		42	881	.01	35	55
21-42-0751	719214	117936	3-67	3	305	14,970	4.34	649	27	11,970	3.84	460	12-71		42	837	.08	42	60
21-42-0751	722903	117936	5-67	3	286	14,370	4.20	604	30	12,260	3.84	471	10-71		42	738	.05	35	51
21-42-0751	722904	117936	6-67	1	291	13,770	3.93	541	30	11,970	3.75	449	8-70		36	674	.02	29	44
21-42-0751	726648	117936	11-67	3	292	14,793	3.60	532	28	12,556	3.78	474	11-71		42	756	-.02	27	45
21-42-0751	726650	117936	10-67	3	290	13,636	3.86	526	20	12,013	3.81	458	3-72		42	680	.01	28	44
21-42-0751	726656	117936	9-67	2	305	15,020	4.01	603	25	12,355	3.74	462	2-71		40	783	.04	35	52
21-42-0751	732363	117936	2-68	2	293	14,540	3.39	493	26	12,140	3.81	463	7-71		40	754	-.04	24	43
21-42-0751	732446	117936	2-68	2	305	13,800	4.29	592	22	12,060	3.79	457	12-71		40	686	.07	35	49
21-42-0751	737298	117936	5-68	2	292	13,910	3.84	534	27	12,155	3.81	463	10-71		40	689	.01	28	44
21-42-0751	737307	117936	8-68	2	293	14,175	4.13	586	29	12,750	3.82	487	9-71		40	661	.04	31	45

TABLE 1. AYRSHIRE USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C D	REPT (%)	.......C O W MILK (LB)	I N D E X....... FAT (%)	FAT (LB)	DOL-LARS
21-42-0751	737308	117936	8-68	1	305	15,810	4.03	637	13	12,320	3.81	469	6-71		36	802	.02	34	$ 52
21-42-C751	737320	--117936	10-68	1	305	13,890	4.02	559	13	12,320	3.81	469	6-71		36	659	.03	29	44
21-42-0751	741266	117936	11-68	1	305	13,790	4.42	609	29	12,480	3.90	487	9-71		36	641	.05	31	45
21-42-C751	741267	117936	2-69	1	305	16,900	3.88	655	13	11,580	3.93	455	3-72		36	933	.01	37	59
21-42-C751	741269	117936	2-69	2	305	13,610	3.87	527	14	12,210	3.86	471	4-72		40	653	.01	27	42
21-42-C751	741550	117936	2-69	2	290	14,265	3.73	532	15	12,200	3.83	467	3-72		40	721	.00	28	45
21-42-C751	749131	117936	3-69	1	305	14,740	4.07	600	18	12,820	3.74	479	2-71		36	689	.04	31	46
21-42-0751	752016	117936	10-69	1	305	15,110	3.95	597	18	12,510	3.88	486	1-72		36	737	.01	30	47
21-43-0099	757875	117936	10-67	3	252	14,490	3.95	572	30	10,986	3.84	422	3-72		42	884	.02	37	57
21-43-C287	727061	117936	9-67	1	289	17,280	3.74	647	28	13,540	3.88	526	10-71		36	830	-.01	31	51
21-43-C287	736761	129110	4-68	2	305	20,000	3.23	646	35	13,105	3.80	498	9-71		38	1,172	-.17	24	55
21-43-C287	736762	117936	7-68	1	305	18,350	3.55	651	26	13,520	3.79	513	8-71		36	911	-.02	33	55
21-43-C287	736764	117936	7-68	2	305	15,590	3.82	595	20	12,430	3.77	468	3-72		40	834	.01	34	53
21-43-0287	736766	117936	8-68	2	299	15,405	3.77	581	24	13,200	3.69	487	7-71		40	745	.02	31	48
21-43-0287	739165	117936	9-68	2	296	18,955	3.88	735	20	13,345	3.78	505	2-72		40	1,092	.02	45	70
21-43-0287	747796	117936	2-69	1	305	16,950	4.17	707	20	13,770	3.74	515	7-71		36	790	.05	37	54
21-43-C287	747797	117936	2-69	1	305	15,640	4.49	702	18	13,590	3.76	511	6-71		36	7C4	.08	37	52
21-43-0287	751061	117936	7-69	1	302	16,980	4.08	692	31	13,340	3.83	511	9-71		36	821	.03	36	54
21-43-0287	753578	117936	10-69	1	280	15,970	3.55	567	20	12,890	3.91	504	2-72		36	776	-.03	27	46
21-43-C483	714666	117936	8-64	5	291	14,670	4.07	597	28	12,052	3.73	449	3-71		44	814	.05	38	56
21-43-0483	714681	117936	10-64	5	299	15,336	3.89	596	29	12,348	3.80	469	11-71		44	865	.02	36	56
21-43-0483	733650	117936	10-67	2	287	13,270	3.81	505	44	11,390	3.78	430	7-71		40	694	.01	28	44
21-43-C483	743011	117936	3-69	1	305	15,340	4.35	668	34	12,250	3.68	451	8-71		36	772	.C7	38	55
21-43-0483	743335	117936	5-66	2	303	13,915	3.59	499	24	12,225	3.70	452	3-72		40	683	.00	26	42
21-43-C483	743346	117936	4-69	1	305	16,270	3.45	562	23	13,600	3.73	507	4-72		36	751	-.03	26	44
21-43-0483	754400	117936	3-69	1	288	16,720	3.62	606	25	14,090	3.88	546	12-71		36	751	-.02	27	45
21-43-0483	754401	117936	7-69	1	305	17,290	4.09	708	34	13,900	3.78	526	2-72		36	8C7	.04	36	54
21-43-0483	757637	117936	9-68	1	305	16,250	3.87	629	34	12,250	3.68	451	8-71		36	840	.02	35	54
21-43-C483	757646	117936	9-68	1	305	18,400	3.70	680	34	12,250	3.68	451	8-71		36	1,0C0	.00	39	62
21-43-C483	757648	117936	10-68	1	279	15,140	3.80	575	26	12,810	3.75	480	9-71		36	719	.01	29	46
21-43-C483	757884	117936	6-69	1	305	18,750	3.90	731	34	13,900	3.78	526	2-72		36	915	.02	38	59
21-43-0483	757892	117936	10-69	1	295	16,270	3.81	620	33	13,920	3.81	531	1-72		36	729	.01	29	46
21-43-C483	762748	117936	3-68	2	305	15,885	3.67	583	37	11,555	3.70	428	8-71		40	944	.00	36	58
21-43-C483	764912	117936	7-68	1	305	18,230	3.78	689	34	12,250	3.68	451	8-71		36	987	.01	40	63
21-43-C483	764918	117936	3-69	1	305	15,140	3.90	590	26	13,440	3.78	508	10-71		36	677	.01	28	43
21-43-C483	764924	117936	12-69	1	296	15,160	3.84	582	30	13,980	3.76	525	3-72		36	642	.02	27	42
21-43-0483	765748	117936	2-69	1	305	15,180	4.02	610	34	12,250	3.68	451	8-71		36	760	.04	34	51
21-45-C049	704344	117936	3-66	1	305	14,540	4.22	614	21	13,280	3.46	459	8-70		36	643	.07	33	47
21-45-C049	713353	117936	10-66	2	305	17,345	3.41	592	7	13,375	3.57	478	3-71		40	926	-.02	33	55
21-45-0049	775782	117936	9-67	1	296	16,070	3.67	589	11	12,380	3.57	442	6-71	B	36	818	.01	33	52
21-45-0392	702277	117936	12-64	4	290	15,397	3.87	596	7	12,700	3.72	473	10-71		44	823	.03	35	54
21-45-C392	714162	117936	11-66	4	284	15,872	3.71	589	11	12,165	3.72	452	3-72		44	941	.00	36	55
21-45-C392	725690	117936	9-67	2	297	13,885	3.65	507	11	11,575	3.70	428	4-71		40	739	.00	29	46
21-45-C392	733160	117936	12-67	3	305	14,683	3.86	567	9	11,636	3.70	430	4-72		42	839	.02	35	54
21-45-C452	689808	117936	3-63	6	302	16,306	4.08	666	15	12,910	4.03	52C	11-71		44	925	.03	39	60
21-45-C452	729274	117936	9-67	3	301	16,693	3.69	616	19	13,296	4.03	536	8-71		42	898	-.04	30	52
21-45-0452	738952	117936	6-68	2	302	15,905	4.12	655	15	13,265	4.03	534	7-71		40	790	.03	34	52
21-45-C452	738953	117936	6-68	2	297	15,000	4.42	663	19	13,380	4.10	548	9-71		40	688	.06	34	49
21-45-C452	742614	117936	12-68	2	293	19,345	3.59	695	13	13,550	4.14	561	12-71		40	1,113	-.06	36	63
21-45-0452	742615	117936	12-68	2	305	16,475	4.40	725	16	13,395	4.14	555	11-71		40	836	.05	39	57
21-45-C452	751271	117936	1-68	2	303	20,875	3.88	810	10	14,020	4.05	568	1-72		40	1,225	.00	47	76
21-45-0452	751282	117936	7-69	1	305	15,000	4.05	608	12	13,330	4.08	544	7-71		36	674	.01	27	43
21-45-0452	755037	117936	1-70	1	305	17,000	4.17	709	11	13,960	4.20	587	1-72		36	781	.01	32	50
21-45-0736	672061	117936	10-63	2	291	12,165	4.23	515	19	10,550	3.78	399	6-71		40	658	.05	32	46
21-45-C736	674250	117936	10-63	3	296	12,313	3.83	471	22	10,480	3.83	401	7-71		42	686	.00	27	43
21-45-0736	689545	117936	12-64	2	305	14,970	3.75	562	11	10,940	3.78	414	4-71		40	9C7	.00	35	56
21-45-C736	689548	117936	12-64	3	305	15,083	3.79	572	1C	10,623	3.77	400	4-72		42	990	.00	39	62
21-45-0736	713351	117936	9-66	2	296	15,865	3.78	599	22	10,235	3.83	392	6-71		40	1,063	.00	41	66
21-45-C736	713352	117936	10-66	3	301	15,600	3.52	549	22	10,933	3.84	420	12-71		42	1,017	-.04	34	59
21-45-C736	714224	117936	10-66	3	298	13,383	4.02	538	26	10,853	3.84	417	11-71		42	770	.03	33	50
21-45-C736	730870	117936	12-67	2	305	14,455	3.92	567	33	10,890	3.82	416	9-71		40	860	.02	36	56
21-45-C736	737440	117936	5-68	1	305	12,720	4.71	599	17	10,960	3.79	415	1-71		36	663	.08	35	49
21-45-C736	737442	117936	7-68	1	305	13,810	4.03	556	17	10,960	3.79	415	1-71		36	744	.03	32	49
21-45-C736	740292	117936	9-68	1	305	15,030	3.64	547	36	10,930	3.78	413	10-71		36	837	.00	32	52
21-45-0736	740808	117936	9-68	2	305	12,870	3.85	496	18	10,850	3.75	407	12-71		40	7C2	.01	29	45
21-45-0736	740818	117936	10-68	1	305	12,100	3.93	475	38	10,550	3.78	399	9-71		36	644	.02	27	42
21-45-C742	693527	117936	6-64	6	290	12,481	3.65	456	20	10,328	3.84	397	3-72		44	732	-.02	26	43
21-45-0742	697598	117936	11-63	4	305	14,022	3.73	523	25	10,082	3.81	384	12-71		44	945	-.01	36	58
21-45-C742	750373	117936	9-68	1	305	14,450	3.63	524	20	10,860	3.79	412	2-72		36	799	-.01	30	49
21-45-C742	750386	117936	5-69	1	305	13,190	3.65	481	15	10,240	3.88	397	3-72		36	746	-.01	28	46
21-47-0026	686623	117936	9-64	5	302	16,126	3.76	606	10	12,616	3.85	486	9-71		44	936	-.01	35	57
21-47-0026	717528	117936	2-67	3	292	14,376	3.68	529	8	12,753	3.76	479	1-72		42	688	-.01	26	42
21-47-C026	735719	117936	3-68	2	305	16,240	3.63	589	13	13,130	3.76	494	12-71		40	836	-.01	31	51
21-49-C226	663257	117936	8-62	8	274	14,401	4.01	577	11	12,198	3.89	474	1-72		44	762	.03	33	5C
21-49-0226	686624	117936	9-64	1	291	16,060	3.73	599	6	13,430	3.92	526	10-71		36	746	-.01	28	46
21-52-0002	671530	117936	9-63	5	302	16,412	3.91	641	12	11,926	3.86	460	4-71		44	1,053	.02	43	67
21-52-C002	682781	117936	5-64	5	299	15,014	3.82	574	12	12,232	3.88	474	7-71		44	837	.00	33	52
21-52-0002	693161	117936	1-65	5	292	13,976	3.58	501	13	11,636	3.84	447	11-71		44	773	-.03	26	45
21-52-0002	693163	117936	3-65	4	299	14,590	3.95	577	10	12,637	3.88	490	7-71		44	731	.02	31	48
21-52-0002	721914	117936	1-67	2	305	16,100	3.61	582	8	12,740	3.91	498	12-70		40	858	-.03	30	51
21-52-C002	721916	117936	4-67	3	291	14,256	3.67	523	11	12,203	3.79	463	8-71		42	731	-.01	27	44
21-52-0002	721918	117936	5-67	2	298	14,065	4.19	589	15	11,630	3.85	448	10-71		40	753	.05	35	52
21-52-0311	727976	117936	11-67	1	230	12,540	3.72	466	11	10,670	3.68	393	3-71	B	36	669	.01	27	42
21-52-C385	689105	117936	3-64	3	294	14,726	3.81	561	8	11,776	3.80	448	3-71		42	829	.01	33	52
21-52-0385	689106	117936	11-64	2	278	13,595	4.01	545	12	12,235	3.91	479	1-71		40	649	.02	28	43

TABLE 1. AYRSHIRE USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C O	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
21-52-C385	689102	117936	12-64	2	305	14,795	3.60	533	10	11,945	3.88	463	3-71		40	798	-.02	28	$ 47
21-52-C385	705631	117936	8-65	3	296	14,256	3.77	538	10	12,040	3.86	465	11-71		42	748	-.01	28	46
21-52-0385	732810	117936	2-67	2	299	15,110	3.80	574	6	11,680	3.95	461	7-71		40	854	-.01	32	52
21-52-C581	661724	117936	11-62	6	252	15,020	4.15	623	24	13,191	4.03	531	4-71	B	44	727	.03	32	48
21-52-0581	686932	117936	8-64	3	260	17,306	4.10	710	21	13,840	3.99	552	10-70	B	42	913	.03	39	60
21-52-0581	692217	117936	12-64	4	275	15,522	3.90	605	22	13,655	3.99	545	10-70	B	44	733	.00	28	45
21-52-C581	712885	117936	8-66	3	219	15,136	3.93	595	20	13,710	4.01	550	2-71	B	42	676	.00	26	42
21-53-C100	735721	117936	8-68	2	305	14,555	3.82	556	9	13,420	3.68	494	3-72		40	639	.03	28	42
21-53-0166	624137	117936	8-60	10	290	14,458	3.83	554	23	11,213	3.82	428	10-71		44	884	.01	35	55
21-55-0340	663988	117936	4-63	6	302	14,760	3.87	571	11	11,860	3.87	459	10-71		44	848	.01	34	54
21-55-0340	674840	117936	8-62	7	283	16,872	3.89	656	12	14,070	4.02	565	6-71		44	864	.00	33	53
21-55-0340	678665	117936	8-62	6	292	15,786	3.73	589	8	12,596	3.94	496	4-72		44	895	-.02	32	53
21-55-0340	693165	117936	6-65	5	305	14,554	3.60	524	10	11,984	3.78	453	12-71		44	807	-.02	29	48
21-55-0340	708794	117936	9-66	3	305	17,193	4.10	705	19	13,076	4.00	523	3-72		42	979	.03	42	64
21-55-0340	710793	117936	9-66	3	304	17,386	3.66	637	10	12,216	3.78	462	7-71		42	1,090	-.02	40	66
21-55-0340	714005	117936	3-66	3	297	17,100	3.60	616	11	12,233	3.96	484	9-70		42	1,055	-.05	35	61
21-55-0340	726822	117936	9-67	2	296	14,700	3.71	546	14	12,485	3.83	478	12-70		40	739	-.01	28	45
21-55-C340	727681	117936	10-67	3	293	16,490	3.95	651	14	12,826	3.85	494	3-72		42	924	.02	38	59
21-55-C340	733259	117936	12-67	3	291	16,153	3.76	607	13	12,926	3.81	493	12-71		42	875	-.01	33	54
21-55-0340	739485	117936	5-68	2	285	15,445	3.52	544	13	12,920	3.83	495	6-71		40	775	-.03	26	45
21-55-C340	744469	117936	2-69	1	305	17,410	4.00	696	9	13,020	3.83	499	4-71		36	874	.03	37	57
21-55-0340	744964	117936	2-69	1	305	15,950	3.81	608	19	12,200	3.80	464	9-71		36	821	.01	33	52
21-55-C340	745665	117936	2-69	1	305	13,330	4.28	570	17	12,300	3.82	470	8-71		36	619	.04	29	43
21-55-C340	756561	117936	9-69	1	305	15,100	3.78	571	18	12,480	3.85	480	2-72		36	739	.00	29	46
21-55-C340	757629	117936	5-67	1	305	13,730	4.17	573	16	12,170	3.86	470	3-72		36	657	.04	30	45
21-56-0066	747767	117936	4-69	1	305	17,500	3.76	658	5	14,870	3.65	543	12-71		36	757	.01	31	48
21-56-C333	657604	117936	9-62	7	300	16,094	3.79	610	6	12,927	3.78	489	6-71		44	896	.01	36	57
21-56-0425	703782	117936	12-65	3	305	15,153	3.76	569	10	12,170	4.01	488	6-71		42	838	-.02	30	50
21-56-0425	720975	117936	3-67	1	293	17,420	3.43	598	7	11,770	4.03	474	1-71		36	959	-.05	31	54
23-09-C607	652633	117936	5-62	6	302	17,885	3.70	661	15	13,833	3.92	542	2-71		44	1,022	-.03	36	60
23-09-0607	660983	117936	1-63	3	305	15,660	4.09	641	18	13,633	4.11	560	12-70		42	745	.01	30	47
23-09-C607	672825	117936	10-63	4	305	21,047	3.70	778	19	14,422	4.01	578	12-70		44	1,330	-.04	46	78
23-09-C607	674849	117936	2-63	5	264	18,646	3.90	727	10	14,080	4.13	581	9-70		44	1,091	-.02	40	66
23-09-C607	686965	117936	10-64	5	305	19,028	3.84	731	17	12,768	3.96	506	7-71		44	1,293	-.01	49	79
23-09-C607	688625	117936	1-65	4	303	18,375	3.63	667	25	13,902	4.03	560	8-71		44	1,058	-.06	34	6[illegible]
23-09-C607	688656	117936	10-64	4	299	18,535	3.83	709	17	12,917	4.09	528	1-71		44	1,187	-.02	43	71
23-09-C607	700035	117936	11-65	3	299	15,826	3.90	617	10	13,763	3.91	538	3-71		42	750	.01	30	47
23-09-C607	714055	117936	10-66	3	305	20,673	3.54	731	19	14,516	4.01	582	4-71		42	1,230	-.08	38	68
23-09-C607	721912	117936	6-67	2	305	15,660	3.72	582	20	13,605	3.94	536	8-70		40	734	-.02	26	44
23-09-0607	732831	117936	10-67	2	285	15,905	4.04	643	18	14,685	4.04	594	2-71	B	40	660	.01	27	42
23-09-0607	732838	117936	3-68	1	305	15,580	3.93	612	17	13,770	3.89	535	8-70		36	688	.01	28	44
23-15-0033	719117	117936	2-66	4	297	16,602	3.85	640	18	13,577	4.04	549	10-71		44	875	-.02	32	53
23-15-C033	719118	117936	3-66	4	305	17,392	3.81	663	18	13,412	4.06	544	9-71		44	991	-.03	35	59
23-15-C033	749257	117936	8-69	1	305	15,780	3.99	629	15	14,010	4.04	566	11-71		36	687	.00	27	43
23-15-0525	673859	109256	9-63	6	304	16,888	4.34	733	83	13,015	4.17	543	3-72		43	603	.10	36	48
23-15-C525	730690	129001	12-67	3	305	18,153	4.24	770	54	13,393	4.11	550	3-72		32	785	.05	37	54
23-15-C525	737940	129001	7-68	2	305	17,600	4.09	719	56	13,145	4.12	542	1-72		29	672	.02	29	44
23-15-0525	739873	129001	8-68	2	305	17,240	4.07	701	60	13,050	4.11	537	12-71		29	639	.02	27	42
23-15-C525	748148	117936	4-69	1	305	15,730	4.03	634	77	12,740	4.13	526	10-71		36	768	.00	30	46
23-15-C627	686303	117936	10-64	5	297	17,154	4.02	689	25	12,852	4.09	526	11-71		44	1,041	.01	41	65
23-15-0627	714794	117936	12-66	2	290	13,620	3.80	518	20	10,875	3.92	426	6-71		40	776	.00	30	46
23-15-C627	739244	117936	9-68	1	305	13,480	4.24	571	18	10,180	3.88	395	5-71		36	772	.03	34	51
23-15-0676	708803	117936	8-66	1	305	15,660	3.77	590	7	10,400	3.91	407	5-71		36	920	-.01	35	57
23-19-C127	685858	117936	8-64	5	304	16,462	3.96	652	9	13,762	3.73	514	8-71		44	846	.04	38	57
23-19-C127	685860	117936	10-64	6	304	17,088	3.74	639	7	12,325	3.94	485	11-71		44	1,094	-.02	40	66
23-19-0127	700501	126011	9-65	4	293	17,452	3.84	670	6	14,347	3.58	514	5-71		40	776	.01	31	49
23-19-C127	763054	129110	7-69	1	305	19,400	3.42	664	10	14,350	3.74	536	9-71		34	875	-.12	19	42
23-22-0028	665387	117936	5-63	5	302	16,572	3.84	637	19	12,066	3.86	466	9-70		44	1,058	.01	42	66
23-22-0028	680346	117936	7-64	6	291	13,013	4.01	522	10	11,623	3.95	459	9-71		44	650	.02	28	43
23-22-0028	695540	117936	11-64	5	305	17,350	3.79	658	9	11,876	3.91	464	3-72		44	1,160	-.01	45	73
23-22-0028	699427	117936	12-64	5	302	16,282	3.82	622	12	12,180	3.92	477	12-71		44	1,007	-.01	38	62
23-22-0028	703134	117936	10-65	5	256	13,516	4.11	555	10	12,288	3.90	479	11-71		44	638	.04	30	44
23-22-0028	717786	117936	1-67	3	299	15,710	4.12	647	13	12,263	3.92	481	10-71		42	892	.04	39	59
23-22-0028	725780	117936	9-67	2	305	15,365	4.09	629	23	13,365	3.95	528	11-71		40	726	.03	32	48
23-22-C028	727487	117936	10-67	2	304	16,010	3.78	605	14	12,090	3.88	469	7-71		40	908	.00	35	56
23-25-C153	742385	117936	11-68	1	305	12,310	3.88	478	25	9,010	4.06	366	9-71		36	763	.00	30	48
23-31-C182	689057	117936	10-64	5	297	14,288	3.88	555	19	11,024	3.92	432	1-71		44	884	.01	35	55
23-34-C019	685704	117936	12-64	5	296	17,794	4.10	730	19	13,014	4.05	527	2-72		44	1,105	.03	47	72
23-34-0019	698264	117936	11-65	3	305	15,103	3.84	580	13	11,526	3.93	453	1-71		42	899	-.01	34	55
23-34-0019	734895	117936	8-66	4	305	15,435	3.43	530	12	11,240	3.94	443	1-72		44	990	-.07	30	55
23-34-0019	735110	117936	6-66	3	305	14,536	3.85	559	12	11,993	3.90	468	3-71		42	785	.00	31	49
23-35-0001	717719	117936	6-66	4	300	12,057	3.89	469	76	9,567	3.98	381	1-72		44	759	.00	29	47
23-35-C001	717729	117936	7-66	2	305	12,940	4.03	522	78	9,960	4.00	398	11-71		40	791	.02	33	51
23-35-0001	717733	117936	7-66	2	305	16,920	3.84	650	76	10,250	3.94	404	5-71		40	1,168	.00	45	74
23-35-0001	728673	117936	9-67	1	305	13,240	4.30	569	73	9,920	3.99	396	9-71		36	772	.03	34	51
23-35-0001	728675	117936	9-67	1	305	12,460	3.88	483	73	9,920	3.99	396	9-71		36	714	.00	28	45
23-35-0001	739115	117936	8-68	1	305	12,720	3.68	468	62	10,320	3.96	409	4-71		36	706	-.01	26	43
23-35-0001	741212	117936	11-68	1	136	14,280	3.70	529	60	10,640	3.93	418	6-71	B	36	801	-.01	30	49
23-35-0001	741218	117936	12-68	1	305	15,930	3.87	616	69	9,990	4.02	402	11-71		36	967	.00	37	60
23-35-0001	741224	117936	1-69	1	305	14,360	4.09	587	66	9,880	4.05	400	10-71		36	858	.01	35	55
23-35-C015	709691	117936	5-66	4	302	15,525	3.95	613	12	12,107	4.01	485	4-72		44	905	.01	36	57
23-35-0015	709692	117936	6-66	3	303	17,093	4.29	733	10	12,040	3.96	477	3-71		42	1,074	.07	50	74
23-36-0018	724744	128289	4-67	3	304	15,216	4.12	627	25	12,133	3.90	473	11-71		34	778	.04	35	52
23-36-C090	710439	128289	7-66	1	302	15,120	3.63	549	21	9,820	3.98	391	10-71		26	857	-.03	30	51
23-36-C605	649503	117936	12-61	7	302	15,871	4.10	651	44	12,191	4.08	497	12-70		44	953	.02	40	62

TABLE 1. AYRSHIRE USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C O	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
23-36-0605	687299	117936	1-63	6	302	14,691	4.02	590	43	12,213	4.04	493	6-71		44	798	.01	32	$ 5[illegible]
23-36-0605	687844	117936	2-65	5	305	15,888	3.80	603	28	13,034	3.99	520	11-71		44	857	-.02	31	51
23-36-0605	690741	110671	1-65	3	305	17,200	4.02	691	31	11,940	4.02	480	10-71		42	734	.00	29	46
23-36-0605	717221 --	128289	8-66	3	305	16,513	3.74	617	36	12,180	4.06	495	5-71		34	944	-.04	32	55
23-36-0605	717224	128289	9-66	3	305	18,783	4.01	753	43	12,866	4.07	524	3-71		34	1,162	.01	46	73
23-36-0605	717227	126011	10-66	3	305	18,180	3.87	703	42	12,790	4.05	518	3-71		38	1,022	-.04	34	59
23-36-0605	720559	128289	1-67	3	305	18,590	3.93	731	40	13,226	4.07	538	10-71		34	1,094	.00	42	68
23-36-0605	724741	128289	1-67	2	304	15,425	3.94	608	33	12,425	4.09	508	8-70		31	745	-.01	28	46
23-36-0605	727709	128289	5-67	3	305	16,896	4.23	715	43	13,476	4.04	544	2-72		34	841	.05	39	57
23-36-0605	727842	117936	8-67	3	299	15,153	3.85	584	43	13,140	4.03	530	1-72		42	737	-.01	27	44
23-36-0605	731722	128289	12-67	2	305	13,500	4.45	601	25	11,805	4.06	479	7-71		31	585	.06	30	42
23-36-0605	733029	128289	11-67	3	305	17,256	3.89	671	33	12,956	4.04	523	3-72		34	950	-.01	35	57
23-36-0605	741755	117936	9-68	2	305	16,170	3.90	630	43	13,275	4.05	538	12-71		40	816	-.01	31	50
23-36-0833	719471	117936	10-65	4	305	17,002	4.05	688	5	13,212	3.89	514	3-72		44	965	.04	42	64
23-38-0139	710781	117936	7-66	4	304	15,065	3.95	595	10	12,922	3.95	511	1-72		44	758	.00	30	43
23-63-0194	732832	117936	12-67	2	220	14,435	3.90	563	29	11,145	3.82	426	9-71	B	40	834	.02	35	54
23-63-0194	741894	129166	8-68	2	198	18,485	3.89	719	16	12,160	3.85	468	1-72		36	746	-.02	27	45
23-63-0194	753025	127434	3-66	2	294	16,900	4.07	687	13	12,070	3.89	469	11-71		25	618	.03	28	42
31-06-9081	732080	117936	2-68	1	305	18,040	3.74	675	10	11,390	3.96	451	9-70		36	1,031	-.01	39	63
31-15-0167	728808	126159	9-67	1	305	22,060	3.22	710	15	13,010	3.41	444	11-71		34	838	-.08	23	44
31-33-0770	677081	117936	2-64	3	223	15,366	4.05	623	14	11,203	3.86	432	1-72		42	962	.04	42	64
31-33-0770	682119	117936	3-64	6	257	14,141	3.89	550	12	11,130	3.77	420	9-71		44	853	.02	36	55
31-33-0770	709238	117936	9-66	3	305	14,673	4.08	598	10	11,753	3.95	464	2-72		42	826	.02	35	54
31-33-0770	726335	117936	9-67	2	305	13,285	3.94	523	12	11,700	3.93	460	3-72		40	667	.01	27	42
31-33-0770	732052	117936	1-68	2	305	12,320	4.03	496	21	11,115	3.79	421	10-71		40	622	.03	28	42
31-33-0770	738904	117936	10-68	2	300	13,730	3.93	540	11	11,770	3.93	462	3-72		40	706	.01	29	45
31-33-0770	739937	117936	9-68	1	305	15,760	3.59	566	17	11,220	3.73	419	6-71		36	872	-.01	33	53
31-33-0770	739941	117936	10-68	1	305	15,030	3.71	557	13	11,280	3.81	430	5-71		36	814	.00	31	5[illegible]
31-33-0770	739942	117936	10-68	1	305	18,390	3.34	614	13	11,280	3.81	430	5-71		36	1,064	-.05	35	61
31-33-0770	740816	117936	12-68	1	298	15,160	3.73	565	15	12,930	3.95	511	1-72		36	713	-.01	26	43
31-33-0770	742611	117936	12-68	1	305	14,800	3.78	559	14	12,560	3.95	496	2-72		36	711	.00	27	44
31-33-0770	742815	117936	1-69	1	305	15,690	3.80	596	10	12,360	4.02	497	3-72		36	791	-.01	30	49
31-33-0770	746350	117936	10-68	1	282	12,470	4.20	524	13	11,280	3.81	430	5-71		36	623	.04	29	43
31-33-0770	746369	117936	6-69	1	296	15,860	3.68	584	10	12,360	4.02	497	3-72		36	803	-.02	29	48
31-33-9019	722470	117936	12-66	3	303	14,096	3.87	546	7	12,510	3.81	477	5-71		42	681	.01	28	44
31-42-0048	733438	117936	1-68	2	305	18,655	3.59	670	5	13,945	3.66	511	6-71		40	1,007	-.01	38	62
31-42-0048	736906	117936	9-68	1	305	16,240	3.73	605	18	13,440	3.82	513	9-70		36	759	.00	29	47
31-54-9052	701234	126322	10-65	5	304	14,618	4.00	584	33	10,822	3.88	420	8-71		36	634	.03	28	42
31-54-9052	713330	126322	8-66	4	303	15,877	4.11	653	31	12,052	3.82	460	10-71		35	636	.06	32	46
31-54-9052	745955	129110	1-69	1	305	18,550	3.57	663	23	12,530	3.70	463	5-71		34	936	-.10	24	48
31-54-9052	746640	129110	3-69	1	305	20,410	3.41	697	23	12,530	3.70	463	5-71		34	1,079	-.13	26	54
31-54-9052	746641	129110	3-69	1	305	20,030	3.60	722	23	12,530	3.70	463	5-71		34	1,050	-.10	28	55
31-57-0046	742978	117936	10-66	3	305	15,063	3.61	544	16	11,336	3.92	444	8-71		42	914	-.04	31	53
31-57-0046	742984	117936	2-67	3	305	14,423	3.86	557	17	11,583	3.94	456	10-71		42	815	.00	32	51
31-58-0030	721888	117936	4-67	2	296	13,760	3.63	500	6	10,255	3.86	396	1-72		40	847	-.01	31	51
31-75-9700	709555	117936	9-66	3	304	20,663	3.91	808	16	14,166	3.85	545	12-70		42	1,265	.02	51	8[illegible]
31-75-9700	716163	117936	3-67	2	305	14,875	3.33	496	12	11,340	4.05	459	7-71		40	861	-.07	25	47
31-75-9700	730907	117936	4-67	1	305	22,690	3.72	844	21	11,330	3.89	441	9-71		36	1,381	-.01	52	84
31-75-9700	732696	117936	3-68	2	292	14,840	4.51	670	27	13,075	4.08	533	1-72		40	699	.07	36	51
31-75-9700	738552	117936	6-67	2	305	14,860	4.33	643	12	11,780	4.02	474	6-71		40	820	.05	38	56
31-75-9700	739209	117936	10-68	1	305	17,280	3.55	613	18	12,360	3.74	462	5-71		36	909	-.02	33	55
32-73-0760	747551	117936	3-69	1	305	15,460	3.83	592	6	10,600	4.16	441	12-71		36	891	-.01	33	54
32-76-0773	734205	117936	11-67	2	300	17,715	3.88	687	24	14,625	3.80	556	8-71		40	849	.02	35	54
32-76-0773	736058	117936	8-68	1	305	19,080	3.59	685	11	15,420	3.77	582	5-71		36	838	-.02	30	5[illegible]
32-76-0773	746525	117936	4-68	2	293	17,030	3.64	620	24	14,625	3.80	556	8-71		40	780	-.02	28	47
33-03-0212	685147	117936	9-64	4	305	13,992	3.73	522	8	10,470	3.82	400	1-72		44	698	-.01	34	55
33-03-0212	707817	125928	1-66	2	305	15,955	3.79	605	9	10,995	3.82	420	5-71		38	766	-.04	25	44
33-43-0731	712362	117936	11-66	1	305	18,500	4.32	799	6	9,870	4.20	415	10-71		36	1,167	.04	50	76
33-61-1520	735808	128289	6-68	1	305	17,180	3.78	649	9	13,940	4.01	559	5-71		26	713	-.02	25	42
33-61-1520	737486	117936	4-68	1	305	14,920	4.33	646	10	13,790	3.89	537	7-71		36	637	.05	31	45
33-61-1520	748298	117936	1-69	1	305	14,990	3.70	555	10	11,880	3.93	467	10-71		36	771	-.01	29	47
33-62-0736	725735	128289	9-67	3	291	14,903	3.64	543	12	11,596	3.71	430	9-71		34	801	-.01	30	49
33-92-0471	724597	117936	11-66	3	298	16,023	3.90	625	13	12,200	3.91	477	7-71		42	935	.01	37	59
33-95-0151	703975	117936	1-66	3	303	16,896	3.88	655	5	11,776	3.77	444	2-71		42	1,079	.02	44	69
33-95-0151	729278	117936	12-67	2	305	14,475	3.61	523	7	11,630	3.72	433	9-71		40	794	-.01	30	49
34-39-0119	707968	117936	5-66	2	305	16,845	3.99	672	8	11,450	3.91	448	1-71		40	1,051	.03	44	68
34-81-0030	667881	103310	5-63	7	304	17,189	4.06	698	12	12,560	3.99	501	12-71		39	843	.03	36	55
35-05-0441	620620	103949	5-60	8	305	25,094	3.73	937	24	13,029	3.91	510	1-72		44	1,552	-.07	51	89
35-49-0216	638252	102091	6-61	4	305	14,315	4.00	572	13	11,313	3.61	408	7-71		42	569	.09	33	44
35-57-0032	697890	117936	8-65	3	305	17,126	3.82	655	23	11,186	3.61	404	1-71		42	1,167	.02	48	75
35-57-0032	735760	117936	6-68	1	305	13,890	4.10	570	9	10,860	3.69	401	5-71		36	757	.04	34	51
35-68-0009	679083	117936	4-64	5	302	16,644	3.88	645	21	13,324	3.96	527	12-70		44	921	.00	36	57
35-68-0009	743743	117936	12-68	1	305	13,460	3.99	537	27	11,540	4.09	472	10-71		36	679	.01	27	43
35-68-0130	760530	129274	5-69	1	305	15,720	3.92	616	11	9,170	3.96	363	10-71		25	681	.02	29	44
41-15-0016	731385	124927	11-67	2	303	15,520	3.72	578	10	10,210	3.62	370	5-71		35	990	-.01	37	6[illegible]
41-25-0503	700944	125113	10-65	4	300	15,135	4.33	655	17	10,800	3.86	417	2-71		30	648	.09	36	49
41-25-0503	746371	128426	9-67	2	298	19,960	4.17	832	19	10,600	4.12	437	7-71		25	1,173	.04	50	77
41-55-9403	711489	124927	3-65	2	305	17,090	4.03	688	19	10,600	3.88	411	5-71		35	1,123	.01	45	71
41-55-9403	711561	124927	4-65	2	293	16,885	3.81	643	15	10,705	3.87	414	7-71	B	35	1,090	-.03	39	65
41-55-9403	726755	124927	7-67	1	305	15,810	4.00	633	17	12,040	4.11	495	10-71		31	765	-.02	27	45
41-66-0006	725063	128289	8-67	2	305	12,435	3.99	496	22	9,250	3.92	363	12-71		31	729	.01	30	47
41-72-0051	603940	117936	7-59	3	305	15,440	4.16	642	15	12,523	3.73	467	12-71		42	834	.06	40	58
42-03-0155	669539	117936	4-63	7	290	13,218	4.22	558	10	11,744	3.94	463	11-71		44	662	.05	32	46
42-03-0156	692228	117936	5-62	2	297	14,010	4.20	589	9	12,705	3.87	492	7-71		40	649	.05	31	45
42-22-0191	685031	117936	9-64	5	305	15,280	3.85	589	15	12,946	3.77	488	11-71		44	789	.02	33	51

TABLE 1. AYRSHIRE USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HEROMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVO MO-YR	T C O	REPT (%)	.......C O W MILK (LB)	I N D E X....... FAT (%)	FAT (LB)	DOL-LARS
42-22-0191	696180	117936	10-65	2	305	14,290	4.06	580	12	13,065	3.80	496	3-72		40	644	.04	30	$ 44
42-22-0191	700818	117936	2-66	4	300	15,525	3.77	586	15	13,105	3.81	499	8-71		44	794	.00	31	49
42-26-0017	704853	126640	8-65	3	305	17,763	4.00	711	9	13,153	3.70	487	12-71		33	913	.05	42	62
42-26-0017	742054	117936	8-67	3	245	17,436	4.07	710	19	12,636	3.73	471	2-72		42	1,052	.06	48	71
42-28-0133	667146	117936	3-63	4	305	13,137	3.81	501	18	11,337	3.79	430	10-71		44	696	.01	28	44
42-28-0133	707661	117936	2-66	4	227	13,487	3.75	506	35	10,840	3.68	399	3-72	B	44	794	.01	32	5[illegible]
42-28-0133	732841	117936	3-68	1	305	16,330	4.40	718	42	10,490	4.18	438	2-72		36	964	.04	43	64
42-28-0133	733405	117936	3-68	1	305	14,950	4.69	701	34	10,450	4.20	439	1-72		36	864	.06	41	60
42-28-0133	734975	127014	10-67	1	305	18,300	4.00	732	26	11,070	4.09	453	10-71		27	721	.00	28	45
42-28-0133	736183	117936	1-68	2	286	12,405	4.00	496	28	10,880	3.89	423	1-72		40	653	.02	28	43
42-28-0133	736281	117936	3-68	2	305	15,285	3.92	599	20	10,915	3.84	419	12-71		40	942	.02	39	61
42-28-0133	736297	117936	6-68	1	305	13,310	3.99	531	14	11,150	4.05	452	11-71		36	694	.01	28	44
42-28-0133	737696	117936	3-68	1	305	16,210	3.34	541	23	10,860	3.57	388	9-70		36	930	-.02	33	55
42-28-0133	737697	117936	4-68	1	74	15,120	3.31	501	29	12,400	3.82	474	3-71	B	36	745	-.04	24	42
42-28-0133	739891	117936	8-68	1	305	17,530	4.60	807	18	10,970	4.11	451	12-71		36	1,021	.07	48	7[illegible]
42-28-0133	742051	117936	5-67	2	305	13,435	3.89	522	26	11,345	3.71	421	3-71		40	715	.03	31	47
42-28-0133	743311	117936	9-68	1	292	13,310	4.55	605	18	10,970	4.11	451	12-71		36	706	.05	33	48
42-28-0133	750665	117936	9-69	1	305	15,850	4.40	697	39	10,490	4.17	437	3-72		36	928	.04	41	62
42-28-0133	765651	117936	11-66	1	305	14,540	4.12	599	15	10,970	3.96	434	10-71		36	798	.02	34	52
42-33-0329	716646	117936	1-67	2	305	16,255	4.08	664	16	10,120	4.00	405	8-71		40	1,113	.03	47	72
42-34-0042	702306	117936	8-65	3	286	13,370	3.82	511	11	11,320	3.92	444	10-71		42	721	-.01	27	44
42-41-0103	713661	117936	9-66	3	225	12,076	4.00	483	12	9,786	3.99	390	12-71	B	42	731	.01	30	47
42-51-0012	694469	117936	3-65	3	292	13,606	4.01	545	24	11,316	4.13	467	9-71		42	748	.00	29	46
42-51-0012	696901	117936	2-65	4	304	14,767	4.07	601	18	11,692	4.01	469	12-71		44	858	.02	36	56
42-53-0128	696907	117936	9-65	3	305	20,723	3.31	686	29	12,636	3.39	428	3-71		42	1,430	-.05	49	84
42-53-0128	701541	117936	11-65	4	303	16,207	3.61	585	22	11,785	3.55	418	12-71		44	1,025	.00	40	64
42-53-0128	707206	117936	10-65	2	305	17,765	3.70	658	23	12,485	3.38	422	2-71		40	1,050	.03	45	69
42-53-0128	707662	117936	3-66	2	305	14,805	3.15	466	29	11,735	3.37	395	2-71		40	818	-.04	27	47
42-53-0128	716649	117936	12-66	3	305	15,173	3.55	539	15	12,356	3.63	448	2-72		42	821	-.01	30	49
42-53-0128	720530	117936	1-65	3	271	16,830	3.48	586	30	11,816	3.45	408	5-71		42	1,067	-.01	40	65
42-53-0128	723328	117936	3-66	3	305	14,010	3.51	492	25	11,610	3.39	394	9-70		42	764	.00	30	48
42-53-0128	724149	117936	1-67	3	305	14,470	3.95	571	17	12,533	3.69	462	4-72		42	722	.04	33	49
42-53-0128	725157	117936	4-67	3	299	16,730	3.77	631	18	12,826	3.66	470	3-72		42	951	.02	39	61
42-53-0128	730230	117936	3-68	1	305	16,190	3.32	537	23	12,120	3.47	421	5-71		36	844	-.02	30	5[illegible]
42-53-0128	734818	117936	11-64	1	305	15,530	4.35	675	17	12,210	3.96	484	12-71		36	789	.04	36	53
42-53-0128	738639	117936	8-67	2	305	15,760	3.93	620	23	11,965	3.44	412	5-71		40	894	.06	42	62
42-53-0128	742763	117936	11-68	1	305	15,750	4.62	728	11	12,970	4.20	545	3-72		36	754	.06	36	52
42-53-0128	745667	117936	4-69	1	305	15,180	3.77	572	22	11,420	3.64	416	7-71		36	816	.01	33	52
42-81-0031	726135	129162	8-67	2	305	17,305	3.85	666	43	11,270	4.04	455	10-70		32	736	-.03	25	43
42-82-0025	742452	117936	11-68	1	305	12,970	3.84	498	11	8,880	3.96	352	10-71		36	821	.00	32	51
42-85-0072	657020	124369	9-62	7	304	17,720	3.69	653	6	12,643	3.73	472	7-71		34	769	-.01	28	46
42-85-0072	704854	126640	11-65	4	303	20,557	3.76	773	7	14,187	3.74	530	1-72		35	1,220	.00	47	76
42-85-0072	710161	126640	11-65	4	305	19,932	3.72	741	9	13,460	3.71	500	6-71		35	1,224	-.01	46	75
42-85-0072	710162	126640	1-66	4	300	17,525	3.88	680	9	13,590	3.71	504	7-71		35	864	.03	37	57
42-85-0072	720166	126640	9-66	3	302	17,903	3.71	665	12	14,723	3.71	546	8-71		33	744	.00	29	46
42-85-0072	720167	126640	10-66	4	304	18,297	3.75	687	9	14,792	3.69	546	11-71		35	820	.00	32	51
42-85-0072	720168	126640	2-67	3	304	21,480	3.48	748	9	14,406	3.75	540	12-71		33	1,258	-.07	40	71
42-85-0072	739580	129870	2-68	2	303	22,130	3.44	762	18	15,800	3.68	582	9-71		31	885	-.08	24	46
42-85-0072	748405	129586	7-68	1	305	23,050	3.67	846	26	15,260	3.70	564	10-71		19	776	-.02	28	46
42-85-9072	734458	126640	10-66	2	190	17,025	3.76	640	5	12,575	3.85	484	9-70	B	30	825	-.02	30	5[illegible]
42-86-0088	696902	117936	7-65	2	305	14,775	3.50	517	20	10,590	3.77	399	2-72		40	920	-.03	32	54
42-86-0088	738185	117936	10-68	1	305	13,560	3.47	470	38	8,200	3.49	286	4-71		36	911	-.01	34	55
42-92-0022	713660	117936	9-66	3	301	16,536	3.52	582	11	11,380	3.61	411	5-71		42	1,079	-.02	39	65
42-92-0022	716641	117936	12-66	3	304	13,273	3.58	475	10	11,373	3.62	412	6-71		42	704	.00	27	43
42-96-0027	679969	117936	7-64	6	296	13,985	3.55	497	14	10,910	3.78	412	12-71		44	858	-.03	30	51
46-26-0003	711973	124927	9-66	3	305	14,633	3.26	477	29	10,690	3.84	411	12-71		38	889	-.10	22	45
46-26-0006	730776	124927	9-67	3	276	15,746	3.68	580	14	11,753	4.05	476	11-71		38	908	-.06	28	50
47-20-0076	744676	117936	5-69	1	300	15,520	3.64	565	5	10,260	3.87	397	1-72		36	919	-.01	34	56
47-55-0117	740189	123936	8-68	2	305	15,055	4.06	611	23	8,740	4.02	351	1-72		39	736	.00	29	46
47-70-0071	736546	117936	5-68	2	278	14,355	3.67	527	13	10,835	3.82	414	3-72		40	855	-.01	32	52
47-70-0071	736547	117936	5-68	2	290	15,855	3.80	602	13	10,780	3.78	408	2-72		40	1,012	.01	40	63
48-03-0024	746585	117936	11-68	2	305	19,905	3.60	716	10	14,275	3.68	525	1-72		40	1,104	-.01	41	67
48-04-0005	732135	128746	1-68	3	305	18,487	3.62	669	9	11,543	3.88	448	2-72		31	986	-.06	31	55
48-14-0016	629502	117905	11-60	7	305	18,176	4.26	774	29	12,101	4.12	498	10-71		41	776	.06	38	55
48-23-0050	724372	124536	6-67	3	305	16,757	4.06	680	9	12,037	3.93	473	3-72		34	648	.05	31	45
48-45-0030	689976	125064	7-64	4	305	15,753	4.23	667	28	10,580	3.93	416	12-71		30	772	.07	38	55
48-45-0030	717480	125928	2-67	3	305	16,153	3.99	645	46	11,860	3.86	458	11-71		41	756	-.01	28	46
48-45-0030	725939	128953	8-67	3	305	17,440	3.89	679	45	12,440	3.89	484	11-71		32	694	.00	27	43
48-45-0030	735702	127948	5-68	2	305	20,135	3.52	708	39	12,245	3.85	472	1-72		32	905	-.07	27	50
48-91-0063	747555	106285	9-67	2	297	17,075	4.05	691	8	10,325	4.05	418	8-71		39	751	.03	33	50
50-33-0016	750832	117936	4-68	2	305	16,005	4.04	647	32	13,065	4.35	568	12-71		40	818	-.01	30	49
51-02-9010	725416	123936	8-66	3	305	14,933	3.88	580	23	9,577	3.80	364	11-71		41	711	.00	27	44
51-17-9001	671395	117936	1-64	5	266	12,988	3.93	511	30	11,100	3.95	439	7-71		44	707	.01	29	45
51-17-9001	723724	117936	9-67	3	302	13,346	4.17	557	64	11,146	4.02	448	12-71		42	736	.03	32	49
51-17-9001	745535	117936	8-67	2	305	14,460	4.27	618	36	11,920	4.06	484	3-71		40	766	.04	35	52
52-56-6029	675808	117935	8-63	5	302	21,478	3.88	833	17	13,984	3.98	557	1-71		44	1,468	-.01	56	9[illegible]
52-56-6029	675809	117936	8-63	5	298	16,010	3.94	630	23	13,678	3.96	541	5-71		44	798	.01	32	5[illegible]
52-56-6029	706994	117936	5-66	3	305	17,560	3.89	683	20	13,820	3.93	543	3-71		42	944	.00	37	59
52-56-6029	755477	117936	9-68	1	305	17,300	3.57	617	19	14,530	3.82	555	11-71		36	765	-.02	27	45
52-56-6037	660374	117936	12-62	3	299	17,536	4.25	745	6	12,936	3.97	514	7-71		42	1,033	.06	47	7[illegible]
[illegible]	[illegible]	117936	7-66	4	305	21,140	3.64	769	19	13,092	4.10	537	11-71		44	1,489	-.07	49	85
[illegible]	[illegible]	117936	1-66	4	305	17,872	3.87	692	11	12,695	3.85	489	9-71		44	1,130	.01	45	71
[illegible]	[illegible]	129110	6-68	2	290	16,325	3.49	570	25	11,570	3.79	438	12-71		38	932	-.11	22	46
[illegible]	[illegible]	[illegible]	9-65	4	304	19,240	3.71	713	19	14,315	3.79	543	1-72		43	648	.02	27	42
[illegible]	[illegible]	[illegible]	9-64	1	305	15,850	3.26	517	39	11,100	3.58	397	2-71		36	887	-.04	30	51

TABLE 1. AYRSHIRE USOA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C O	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
58-06-0028	670010 --	117936	12-63	4	303	14,405	3.71	534	14	10,850	3.79	411	7-71		44	907	-.01	34	$ 55
58-06-0028	680555	117936	5-64	5	286	14,244	3.96	564	18	11,556	3.85	445	3-72		44	817	.03	35	53
58-06-0028	720185	117936	6-67	2	305	13,185	3.64	480	24	10,175	3.80	387	8-71		40	796	-.01	30	49
58-06-0028	722057	117936	5-67	2	305	12,720	3.85	490	23	10,200	3.81	389	12-71		40	747	.01	30	47
58-06-0028	726821	117936	9-67	3	298	12,743	3.73	475	21	10,650	3.80	405	1-72		42	718	-.01	27	44
58-06-0028	729178	117936	7-67	3	293	12,600	3.79	478	21	10,670	3.81	406	3-72		42	699	.01	28	44
61-42-0001	742647	117936	3-69	1	305	15,980	3.71	593	11	13,090	3.62	474	11-71		36	763	.01	31	49
65-03-0052	686497	117936	12-64	4	305	16,185	3.65	591	32	10,647	3.71	395	11-71		44	1,149	-.01	43	70
65-03-0052	691524	117936	9-64	5	293	13,192	3.82	504	31	10,184	3.70	377	1-72		44	840	.02	35	54
65-23-0027	720356	117936	2-67	3	305	13,453	3.44	463	25	10,616	3.54	376	3-72		42	803	-.02	29	48
72-14-0005	712102	117936	3-66	2	305	13,695	3.86	528	6	10,865	3.77	410	8-70		40	785	.01	32	50
73-37-0026	617431	106285	11-59	5	302	17,884	4.12	737	10	11,976	3.91	468	12-71	B	43	843	.06	40	58
73-37-0026	655591	119912	1-62	7	250	15,470	4.01	620	8	12,201	4.04	493	1-72	B	35	692	.00	27	43
73-77-0003	748329	130386	8-69	1	305	18,810	3.63	682	22	12,300	3.67	451	4-72		23	792	-.01	29	48
74-15-C137	691064	117528	12-64	5	304	16,916	3.61	611	17	11,636	3.59	418	12-71		43	653	.01	27	42
74-15-C137	709618	128034	8-66	3	305	17,566	3.39	595	14	11,213	3.56	399	12-71		32	834	-.05	26	47
81-07-9001	701015	122727	12-65	4	303	18,667	3.55	663	31	14,105	3.59	507	12-71		33	739	-.02	26	44
81-07-9001	701017	128854	12-65	4	305	18,410	3.41	627	34	13,703	3.64	499	11-71		33	864	-.08	24	46
81-07-9001	701023	128854	2-66	2	305	20,255	3.34	676	29	14,205	3.63	515	3-71		28	919	-.08	26	49
82-48-5153	734352	128397	3-68	2	305	16,240	3.97	644	5	11,340	4.15	471	7-71		30	781	-.06	23	43
84-03-9461	723362	117936	1-67	3	301	13,976	4.09	571	20	12,293	4.11	505	11-71		42	690	.01	28	44
85-03-9034	719179	117936	5-66	2	305	16,315	3.88	633	10	13,800	3.77	520	1-72		40	783	.02	33	51
85-03-9034	739103	129638	6-68	2	298	21,220	3.56	755	23	13,595	3.74	508	12-71		25	991	-.05	32	56
91-28-0022	721464	117912	10-66	3	297	19,546	3.45	674	10	12,800	3.78	484	3-71	H	41	875	-.10	21	44
91-62-5016	680977	117730	4-59	6	305	20,462	3.94	806	14	13,105	3.70	485	11-71		32	1,191	.05	52	79
91-62-5016	728329	117936	10-67	2	305	19,015	3.77	716	16	14,050	3.64	512	4-71		40	1,034	.02	42	66
91-74-5027	715630	116092	9-66	2	305	17,470	4.00	699	20	13,020	4.02	524	12-70		34	679	.01	28	44
91-74-5027	748441	117936	1-66	3	305	16,073	3.93	631	22	12,573	4.02	506	1-72		42	902	.00	35	56
92-03-5138	643708	94065	7-61	3	305	18,917	4.12	780	8	13,887	4.14	575	4-71		42	686	.02	29	45
92-03-5138	725358	116767	8-67	2	305	21,340	4.10	875	9	14,380	4.00	575	4-71		40	724	-.03	25	42
93-49-0067	659908	115174	1-61	1	305	19,790	3.72	737	76	13,980	3.97	555	10-71		24	740	-.03	25	43
93-49-9124	656179	120135	10-62	7	303	16,117	4.94	796	59	13,671	3.91	534	11-71		43	371	.22	4[illegible]	44
93-49-9124	667415	120135	5-63	5	305	18,902	3.82	722	63	13,862	3.87	536	1-71		43	714	.03	31	47
93-49-9124	712058	125224	8-66	4	298	19,717	4.29	845	57	14,775	3.95	583	1-72		42	737	.05	35	51
93-49-9124	734604	117936	4-67	3	300	21,100	4.09	863	70	14,716	4.02	592	11-71		42	1,258	.03	53	82
93-49-9124	737745	129905	8-68	2	305	19,965	3.92	783	63	15,495	3.98	616	1-72		29	800	-.01	30	49
93-49-9124	737753	129905	8-68	2	299	20,890	4.00	835	67	15,290	4.01	613	11-71		29	934	.00	36	58

TABLE 2. GUERNSEY USDA-DHIA HIGH RANKING COWS.

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C O	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
11-10-0112	2431010	570735	7-67	3	305	14,046	4.79	673	7	12,380	4.65	576	2-72		40	545	.04	29	$ 40
11-10-0112	2454449	570735	2-68	2	305	14,185	4.90	695	8	12,570	4.73	594	4-71		38	528	.03	28	39
11-10-0112	2454451	570735	5-68	2	305	14,515	4.77	692	8	12,945	4.67	604	10-71		38	527	.03	27	38
11-15-0009	2363367	475595	3-66	3	305	13,790	4.44	612	16	8,923	4.54	405	3-71		42	842	.00	39	57
11-15-0116	2477972	570735	8-68	1	305	12,440	4.97	618	30	11,030	4.70	518	8-71		33	471	.04	26	36
11-15-0183	2472637	570735	11-68	1	305	12,910	4.57	590	9	9,880	4.47	442	11-71		33	588	.02	29	42
11-18-0002	2299868	475595	1-65	5	293	13,676	4.87	666	9	11,208	4.82	540	3-72		44	615	.04	33	46
11-18-0002	2462345	511244	9-68	2	305	16,685	4.12	687	8	10,860	4.83	525	10-71		40	764	-.16	18	38
11-18-0179	2247267	523029	7-63	5	295	12,256	4.76	583	14	10,520	4.47	470	4-71		43	443	.02	23	32
11-20-0037	2292250	533769	6-64	6	302	13,705	4.51	618	15	10,350	4.84	501	11-71		44	630	-.12	16	32
11-20-0037	2398046	511244	9-66	3	298	15,377	4.74	729	16	11,430	4.51	516	1-71		42	632	-.03	26	40
11-20-0037	2440514	533769	11-66	3	304	14,383	4.32	621	18	10,570	4.52	478	5-71		42	645	-.12	17	33
11-23-0023	2432799	569277	7-67	3	295	16,440	4.14	681	18	11,220	4.73	531	10-71	8	29	761	-.11	23	42
11-23-0027	2313164	523029	2-65	5	304	15,210	4.07	619	8	11,508	4.66	536	6-71		43	714	-.12	20	38
12-15-0154	2230493	528754	11-63	2	305	13,115	5.21	683	16	11,155	4.65	519	3-72		40	549	.17	43	52
12-15-0154	2255245	538021	3-64	4	295	13,450	4.58	616	13	10,580	4.78	506	3-72		42	500	-.01	22	33
12-15-0164	2306604	523029	11-64	5	305	11,562	4.31	498	27	9,066	4.48	406	4-71		43	523	-.04	20	32
12-15-0164	2308846	542269	10-63	6	305	12,218	4.46	545	21	9,145	4.46	408	3-72		43	425	.02	22	31
12-15-0164	2443974	561223	7-67	2	305	12,195	5.33	650	22	9,010	4.63	417	12-71		28	327	.11	26	31
12-15-0164	2477093	570735	7-68	2	305	11,160	4.67	521	22	9,435	4.53	427	2-72		38	506	.03	26	37
12-16-0149	2345115	538021	2-66	4	305	13,305	4.38	583	15	10,608	4.55	483	1-72		42	479	-.02	20	31
12-16-0153	2418813	566996	5-67	3	305	13,167	4.40	579	12	9,483	4.31	409	3-72		29	518	.00	24	35
13-04-0309	2435507	570735	9-67	3	300	12,240	4.53	554	15	10,956	4.51	494	2-72		40	482	.01	23	33
13-06-0386	2276864	511244	10-64	4	298	15,055	4.12	620	23	10,100	4.64	469	5-71		43	770	-.14	20	4
13-09-0204	2414798	546626	7-67	3	301	13,447	5.22	702	7	9,267	4.97	461	7-71		42	518	.09	33	43
13-09-0204	2431414	552896	11-67	3	297	14,786	4.63	684	33	10,623	4.87	517	12-71		41	866	-.04	36	56
13-10-0323	2493471	010016527	2-67	3	299	13,610	4.93	671	13	11,450	4.70	538	7-71		34	560	.04	30	42
13-10-0323	2545411	010016527	8-67	2	288	13,265	4.44	589	10	11,275	4.51	509	8-71		32	512	-.02	21	33
13-10-0323	2577843	010016527	3-69	1	305	17,970	4.07	732	11	12,260	4.52	554	10-71		26	803	-.08	28	47
13-11-0116	2356844	566422	11-65	3	305	14,503	4.24	615	17	10,126	4.92	498	6-71		32	680	-.12	18	35
13-11-0116	2385585	566422	6-66	4	303	13,702	4.47	612	23	10,025	4.90	491	10-71		33	614	-.08	20	35
13-11-0116	2480387	552896	1-69	1	305	13,400	4.82	646	23	10,420	4.88	508	8-71		35	643	-.02	28	42
13-11-0411	2400610	528754	10-66	1	295	11,910	4.58	546	9	9,650	4.24	409	3-72		35	527	.12	37	46
13-11-0411	2402098	505970	10-66	1	288	14,080	3.84	541	8	10,240	4.23	433	12-71		35	764	-.17	17	37
13-13-0312	2251741	538021	9-63	6	305	13,053	5.17	675	11	10,003	4.79	479	8-71		43	531	.08	33	43
13-14-0160	2392702	505970	8-66	2	290	11,275	4.80	541	11	9,835	4.74	466	5-71		40	589	-.10	17	32
13-14-0160	2441272	562081	3-68	2	305	14,795	4.87	720	20	12,250	4.63	567	11-71		35	396	.06	25	32
13-14-0160	2480873	553667	1-69	1	305	14,980	5.14	770	19	12,170	4.55	554	12-70		36	395	.09	28	35
14-10-0026	2342809	567582	6-65	4	305	12,670	4.71	597	22	9,348	4.71	440	5-71		30	495	.01	24	35
14-12-0102	2275975	552607	7-64	6	304	14,025	4.87	683	16	11,838	4.81	569	4-72		36	521	.04	28	39
14-12-0102	2440411	553667	12-67	3	290	15,170	4.66	707	14	12,176	4.81	586	12-71		42	523	.02	26	37
14-14-0038	2194794	505970	10-62	7	301	12,327	4.12	508	22	9,440	4.45	420	7-71		44	782	-.16	19	39
14-14-0038	2265448	549235	3-64	6	302	14,322	4.07	583	27	9,820	4.59	451	2-72		44	802	-.18	18	39
14-14-0053	2295713	505970	7-64	5	302	12,860	4.42	568	30	10,040	4.77	479	1-72		44	761	-.15	20	4[illegible]
14-14-0053	2424834	505970	5-67	2	303	14,395	4.72	679	33	10,065	4.73	476	1-72		40	886	-.10	30	51
14-14-0053	2446088	570735	5-68	2	295	12,415	4.92	611	19	10,755	4.59	494	7-71	H	38	513	.05	29	39
14-14-0055	2404210	567298	11-66	3	285	12,990	4.46	579	18	9,703	4.58	444	9-71		33	464	-.02	20	31
14-14-0066	2363335	515261	12-63	6	303	14,548	4.67	680	13	10,777	4.79	516	10-71		38	536	.02	27	36
14-14-0099	2359089	561873	12-65	4	305	15,772	4.56	719	19	12,587	4.80	604	11-71		41	585	-.03	24	37
14-14-0125	2235747	553356	10-63	6	293	12,857	4.23	544	9	9,895	4.58	453	3-71		40	580	-.03	24	37
14-14-0222	2286940	526294	8-64	4	305	12,730	4.80	611	11	9,705	4.61	447	3-71		43	512	-.01	23	34
14-14-0222	2409060	505970	5-67	3	297	12,407	4.08	506	12	10,080	4.35	438	8-71		42	701	-.15	16	34
14-14-0224	2141787	507798	1-62	8	303	16,861	4.44	749	15	13,015	5.15	670	2-72		35	697	-.11	20	38
14-14-0224	2299206	475548	5-65	5	305	15,158	4.97	753	19	12,144	5.16	627	6-71		44	536	.03	28	39
14-14-0224	2349687	511244	2-66	3	305	16,380	4.87	798	17	12,993	4.99	649	2-71		42	585	-.07	20	34
14-14-0224	2379580	554709	12-66	4	305	16,905	4.97	841	18	13,838	5.01	693	2-72		30	524	.02	26	37
14-14-0224	2443737	553667	4-68	2	302	17,385	5.27	916	14	13,890	4.96	689	12-71		40	553	.10	36	46
14-14-0224	2458579	553667	9-68	2	305	16,120	5.25	846	14	14,485	4.92	712	2-72		40	370	.10	27	33
14-15-0015	2280485	529773	1-65	5	304	15,750	5.17	815	13	12,896	4.71	608	3-72		44	470	.15	37	45
14-15-0015	2428465	533769	11-67	3	305	15,620	4.54	709	11	12,140	4.94	600	3-72		42	624	-.13	15	31
14-15-0117	2265118	496783	12-63	5	305	15,924	4.22	672	23	10,398	4.70	489	5-71		44	814	-.05	32	51
14-15-0117	2392510	557249	7-64	5	304	12,982	5.05	655	23	10,362	4.66	483	11-71		36	313	.13	28	32
14-15-0121	2387837	526294	6-65	4	297	13,418	4.58	614	11	9,435	4.81	454	7-71		43	628	-.07	22	37
14-16-0008	2124478	502063	10-61	8	305	15,770	4.15	655	24	11,313	4.81	544	10-71		37	738	-.17	16	35
14-16-0008	2297251	528754	12-64	3	300	13,437	4.67	627	26	11,107	4.68	520	6-71		42	610	.09	38	50
14-16-0008	2378960	566714	7-66	2	305	17,630	4.22	744	37	13,535	4.57	618	12-71		31	656	-.07	23	39
14-16-0008	2385193	526294	7-66	2	296	16,990	3.95	671	35	12,460	4.37	544	2-71		40	635	-.12	16	32
14-16-0008	2433381	572073	10-67	2	305	17,485	3.88	679	27	12,100	4.44	537	5-71		30	868	-.14	25	47
14-16-0008	2452637	572073	1-68	2	305	17,465	4.46	779	30	11,710	4.51	528	6-71		30	907	-.03	38	59
14-16-0008	2452639	572073	2-68	1	305	18,750	3.65	685	30	13,150	4.57	601	4-71		25	749	-.17	16	36
14-16-0008	2478791	572075	9-68	1	305	18,550	4.56	846	32	13,400	4.62	619	6-71		19	522	-.01	23	35
14-16-0009	2102921	505970	7-61	8	301	14,276	4.29	613	15	9,936	4.61	458	6-71		44	978	-.16	28	53
14-16-0009	2369216	505970	4-66	3	305	13,397	4.07	545	14	10,193	4.69	478	12-71		42	804	-.19	16	37
14-16-0009	2387652	519383	12-66	3	305	13,437	4.96	667	19	10,723	4.41	473	2-72		41	379	.09	27	34
14-16-0009	2404538	505970	1-67	2	305	14,280	4.55	650	19	9,975	4.56	455	1-72		40	882	-.11	29	51
14-16-0009	2414140	505970	3-67	3	305	15,317	3.56	546	12	11,453	4.58	525	12-71		42	896	-.28	11	36
14-16-0009	2485223	570735	1-69	1	305	12,140	4.19	509	17	10,030	4.43	444	5-71		33	517	-.02	22	34
14-18-0213	2313692	505970	2-65	5	303	14,294	4.37	625	14	12,218	4.71	576	10-71		44	712	-.16	16	35
14-18-0213	2318738	505970	6-65	3	305	16,613	3.98	661	16	12,240	4.75	581	7-71		42	965	-.23	19	45
14-19-0017	2417464	570735	8-67	2	305	14,010	4.69	657	14	10,405	4.75	494	1-71		38	715	.01	34	50
14-19-0017	2471915	570735	7-68	1	305	12,110	4.72	572	12	9,930	4.82	479	8-70		33	522	.01	25	36
14-19-0017	2471916	570735	8-68	1	305	12,830	4.36	559	12	9,930	4.82	479	8-70		33	578	-.02	24	37
14-19-0155	2263038	529773	9-63	5	305	13,366	4.75	635	18	9,670	4.45	430	5-71		44	538	.10	35	45
14-19-0155	2437975	570735	8-67	3	294	12,900	4.57	589	19	9,896	4.39	434	1-72		40	675	.03	34	48
14-19-0155	2484289	519383	9-67	3	304	13,717	4.13	567	16	9,703	4.42	429	10-71		41	520	-.04	20	32

TABLE 2. GUERNSEY USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C D	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
15-11-0118	2527398	565965	9-69	1	305	13,420	4.38	588	19	8,390	4.48	376	11-71		28	459	.00	21	$ 31
15-11-0153	2279540	553356	12-64	5	302	12,096	4.19	507	15	9,290	4.53	421	2-71		40	549	-.02	23	35
16-04-0003	1956130	530211	1-59	9	300	14,574	4.79	698	21	11,708	4.78	560	1-72		42	361	.08	25	31
16-04-0003	2467329	553667	4-68	2	288	13,935	5.32	741	21	12,280	4.76	585	10-71		40	350	.11	28	34
16-04-0003	2472609	552896	5-68	2	301	12,875	4.45	573	22	10,365	4.60	477	7-71	B	39	650	-.04	26	41
16-04-0112	2340239	505970	7-65	5	299	13,804	4.80	663	24	10,198	4.67	476	12-71		44	886	-.07	33	54
16-04-0112	2438633	538021	12-67	2	305	13,045	4.87	635	18	9,590	4.66	447	7-71		39	493	.04	27	37
16-06-0026	2328557	504932	1-65	5	291	16,064	4.72	759	14	12,914	4.74	612	7-71	B	43	514	.05	29	39
16-06-0029	1961775	475548	7-59	8	305	14,068	5.12	720	20	12,483	4.84	604	9-71		44	354	.09	26	32
16-06-0029	2009032	525327	11-59	9	305	14,923	5.06	755	27	12,862	4.93	634	10-71		41	376	.08	26	33
16-06-0029	2184386	511244	9-62	6	300	16,248	4.49	729	29	12,405	4.90	608	9-71		44	683	-.13	18	35
16-06-0029	2240930	559351	10-63	5	305	15,512	4.82	747	25	12,494	4.94	617	8-71		36	449	.01	22	32
16-06-0029	2270581	561564	6-64	6	305	16,541	4.35	719	20	12,158	4.85	590	1-72		36	694	-.10	21	38
16-06-0029	2339944	565951	7-65	4	305	15,302	4.86	744	27	12,122	4.83	585	7-71		33	491	.03	26	36
16-06-0029	2355748	475548	9-65	4	305	14,228	4.76	677	34	12,010	4.78	574	8-71		43	418	.05	24	32
16-06-0034	2318756	505970	10-64	5	288	14,574	4.62	674	18	13,266	4.64	615	3-71	B	44	626	-.10	18	34
16-06-0034	2340395	557954	2-65	3	278	17,120	4.12	706	22	13,290	4.50	598	4-71	B	32	724	-.11	22	4.
16-06-0034	2472503	570735	7-68	2	231	14,780	4.49	663	29	12,525	4.46	559	6-71	B	38	595	.01	28	41
16-06-0034	2495412	570735	10-68	1	305	16,270	4.60	748	13	12,210	4.57	558	9-70		33	687	.01	33	45
16-06-0036	2333284	561873	6-65	4	301	12,907	4.45	575	25	9,770	4.61	450	11-70		41	543	-.02	23	35
16-06-0036	2342986	537680	11-65	4	276	17,155	4.72	810	10	13,290	4.67	620	3-72		43	760	.02	37	53
16-06-0036	2342987	537680	12-65	3	302	18,783	4.18	785	17	12,733	4.67	595	10-71		42	980	-.08	36	59
16-06-0036	2368786	519383	12-65	3	305	12,693	4.88	620	25	9,317	4.60	429	1-71		41	441	.05	26	35
16-06-0036	2369844	553667	7-66	2	302	14,060	5.06	711	21	12,595	4.60	579	12-71		40	334	.09	25	31
16-06-0036	2385590	553667	1-67	3	276	13,720	4.79	657	22	11,380	4.66	530	10-71		42	438	.06	26	35
16-06-0036	2395509	561873	11-66	3	305	13,600	4.15	564	25	10,136	4.55	461	9-71		39	564	-.06	20	33
16-06-0036	2459673	553667	7-68	2	305	12,415	4.65	577	32	9,590	4.73	454	10-71		40	442	.03	23	32
16-06-0050	2120550	475548	10-61	7	301	15,187	4.93	748	34	11,174	4.76	532	4-72		44	654	.07	38	51
16-06-0050	2281380	558793	10-64	5	305	19,140	4.15	794	22	13,306	4.60	612	5-71		41	965	-.10	33	56
16-06-0050	2282368	526294	7-64	6	305	14,637	4.49	657	37	11,083	4.73	524	3-72		44	615	-.08	20	35
16-06-0050	2369073	546331	6-66	2	305	14,250	4.98	710	22	11,625	4.66	542	3-71		40	444	.07	28	36
16-06-0050	2479851	573308	9-68	1	305	13,650	4.90	669	10	11,480	4.56	523	9-71		27	415	.07	26	34
16-06-0067	2174037	505970	10-62	6	304	12,717	4.07	518	24	9,170	4.68	429	3-71		44	865	-.19	19	42
16-06-0115	2353310	505970	4-66	3	232	14,197	3.82	543	5	10,303	4.80	495	3-71	B	42	886	-.25	14	38
16-06-0122	2306184	505970	12-64	5	299	14,366	4.45	640	8	12,388	4.71	584	5-71		44	702	-.14	17	35
16-06-0122	2320035	505970	6-65	4	305	15,323	3.84	588	10	12,538	4.60	577	9-71		43	797	-.24	11	33
16-06-0122	2367703	530211	1-66	4	303	15,262	4.99	762	12	12,557	4.57	574	4-71		41	333	.14	30	35
16-06-0122	2482429	575420	2-69	2	305	15,310	4.74	725	8	12,140	4.53	550	3-72		25	428	.04	24	33
16-06-0142	2451191	505970	7-67	3	305	15,943	4.30	685	26	11,430	4.84	553	8-71		42	971	-.18	25	5.
16-06-0142	2451192	538021	8-67	3	299	13,690	5.25	719	30	12,113	4.72	572	10-71		41	343	.10	26	32
16-06-0142	2490923	546331	4-69	2	305	16,600	4.63	768	32	11,585	4.70	545	11-71		40	686	.01	33	48
16-06-0145	1970715	505970	7-59	8	301	13,794	4.84	667	15	10,753	4.87	524	2-71		44	819	-.09	28	48
16-06-0145	2213579	505970	3-63	6	304	12,632	4.45	562	17	10,293	4.95	510	5-71		44	722	-.16	16	35
16-06-0145	2383845	519383	5-66	4	305	13,418	5.11	685	20	10,870	4.72	513	11-71		42	385	.08	26	33
16-06-0145	2450927	570735	11-67	2	305	13,180	4.99	658	16	10,325	4.80	496	9-71		38	635	.04	34	47
16-06-0208	2495222	553667	1-69	2	303	14,795	4.90	725	21	11,750	4.47	525	3-72		40	486	.09	32	41
16-06-0372	2473652	526294	2-69	1	305	15,120	4.47	676	8	10,060	4.55	458	2-72		35	540	-.06	19	32
16-10-0041	2181638	551747	11-62	5	305	14,548	5.09	740	24	11,770	4.80	565	9-71		35	510	.04	28	38
16-10-0041	2227300	496783	11-62	6	305	13,795	5.30	731	25	12,282	4.62	568	3-72		44	321	.16	31	35
16-10-0041	2312745	546331	3-63	6	261	14,113	4.66	658	30	10,517	4.74	499	4-71		44	620	.01	30	43
16-10-0041	2331586	504932	1-65	6	304	13,822	5.31	734	17	12,098	4.73	572	4-72		43	316	.15	30	34
16-10-0041	2337618	561873	3-65	5	305	13,362	5.09	680	29	11,786	4.68	552	7-71		42	376	.07	25	32
16-10-0041	2384041	533769	11-66	3	305	16,373	4.32	708	41	11,523	4.70	542	10-71		42	775	-.14	21	41
16-10-0041	2416493	526294	10-67	2	305	13,275	4.70	624	59	9,435	4.75	448	6-71		40	533	-.04	20	33
16-10-0041	2426760	505970	3-65	4	301	12,560	4.24	532	51	9,595	4.66	447	11-71		43	783	-.16	19	39
16-10-0041	2443029	546331	3-68	2	305	13,115	5.15	676	72	9,845	4.72	465	10-71		40	491	.08	31	40
16-10-0041	2459840	571795	6-68	2	305	12,970	4.73	614	67	9,445	4.71	445	9-71		28	456	.00	21	31
16-10-0041	2484117	553667	12-68	2	293	13,285	4.86	645	29	11,005	4.59	505	4-72		40	401	.06	25	33
16-10-0041	2494212	533769	1-69	1	305	15,010	4.75	713	89	9,670	4.54	439	2-72		36	615	-.07	21	36
16-10-0041	2499672	558237	9-69	1	305	15,270	4.59	701	95	9,620	4.59	442	1-72		35	684	-.12	19	36
16-10-0041	2510734	576429	8-69	1	305	15,360	4.56	701	98	9,630	4.60	443	12-71		19	541	.00	25	37
16-10-0045	2281320	526294	7-64	4	303	15,380	4.71	725	14	10,580	4.83	511	8-71	H	43	744	-.04	30	47
16-10-0045	2374019	561873	3-66	2	298	14,285	4.64	663	17	10,645	4.64	494	5-71		37	543	.01	26	36
16-12-0010	2234458	505970	1-64	5	305	13,792	4.22	582	5	11,292	4.63	523	3-71		44	756	-.17	17	37
16-12-0017	2235162	504932	10-63	6	303	14,380	4.33	623	21	9,550	4.37	417	4-71		43	691	.02	34	49
16-12-0017	2235595	505970	10-63	5	302	11,354	4.41	501	32	9,848	4.43	436	11-71		44	607	-.11	16	32
16-12-0041	2496192	570735	10-68	2	305	11,970	4.66	558	53	9,965	4.39	437	12-71		38	541	.04	29	40
16-12-0041	2504803	570735	1-69	1	282	13,530	4.01	543	26	9,900	4.37	433	7-71		33	635	-.03	26	41
16-12-0041	2538581	570735	12-69	1	305	13,740	4.08	560	30	9,380	4.13	387	2-72		33	688	-.02	30	45
16-12-0148	2403715	561873	6-65	5	305	12,826	4.79	614	40	9,360	4.78	447	6-71		42	599	.01	29	42
16-12-0148	2410701	561873	7-65	5	302	13,020	4.85	632	51	9,274	4.81	446	9-71		42	636	.03	32	46
16-12-0148	2451214	523671	10-66	3	305	12,637	4.64	586	53	9,440	4.75	448	12-71		36	452	.00	21	31
16-14-0113	2248587	552348	8-63	6	305	16,538	5.16	854	6	12,557	4.87	611	5-71		36	567	.08	35	46
16-14-0113	2321672	561873	5-65	5	298	14,408	4.48	645	7	11,128	5.03	560	11-71		42	598	-.07	20	35
16-16-0076	2241496	505970	11-63	6	301	13,615	3.76	512	10	10,980	4.46	490	3-71		44	769	-.22	12	33
16-16-0076	2326843	505970	6-65	4	303	12,563	4.06	510	13	10,398	4.33	450	7-71		43	694	-.15	16	34
16-16-0076	2464071	505970	7-67	3	293	14,897	3.91	583	8	12,043	4.42	532	11-71		42	785	-.20	15	36
16-16-0078	2164417	505970	1-62	6	297	12,747	3.80	485	20	9,548	4.67	446	5-71		44	824	-.23	13	36
16-16-0161	2497714	505970	11-67	2	299	14,785	4.71	697	5	11,265	4.64	523	11-71		40	815	-.10	27	47
21-01-0062	2277820	528754	6-64	6	278	12,878	5.02	646	11	10,872	4.87	529	11-71	B	44	587	.12	40	51
21-01-0062	2297252	528754	12-64	5	297	13,820	4.70	649	21	11,308	4.75	537	3-71	H	44	658	.08	39	52
21-01-0062	2397049	505970	11-66	3	304	14,430	4.77	688	17	11,147	4.82	537	6-71		42	825	-.10	27	47
21-01-0062	2409856	528754	1-67	2	297	12,650	5.00	632	16	10,705	4.91	526	8-71	B	40	543	.11	37	47
21-01-0062	2448287	546331	12-67	2	305	16,500	4.64	765	17	12,550	4.79	601	1-71		40	588	.01	28	41
21-02-0261	2390693	559672	4-66	4	280	15,157	4.67	708	9	12,677	4.43	562	1-72		34	404	.05	24	32

TABLE 2. GUERNSEY USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C D	.......C O W REPT (%)	I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
21-02-0380	2492426	546331	2-69	1	305	14,240	4.85	691	10	10,270	4.51	463	6-71		36	469	.05	27	$ 36
21-02-0380	2551087	546331	10-69	1	305	18,050	4.02	725	17	13,030	4.44	579	12-71		36	568	-.04	22	35
21-03-0223	2364110	528754	1-66	4	304	13,938	5.31	740	20	12,113	4.60	557	12-71		43	572	.20	48	57
21-03-0223	2441695	533769	2-66	3	305	16,487	4.20	692	13	12,600	4.69	591	8-71		42	676	-.16	14	32
21-03-0223	2536583	546331	8-69	1	291	18,630	4.00	745	22	12,920	4.68	605	10-71		36	618	-.06	22	37
21-03-0223	2549589	010016583	9-64	2	302	18,515	4.41	816	19	13,475	4.56	614	9-71		25	681	-.03	28	44
21-03-0982	2344999	511244	4-65	5	305	15,198	4.40	668	19	10,962	4.42	485	10-71		44	715	-.07	25	42
21-04-0312	2230723	511244	9-63	6	300	14,008	4.79	671	15	11,053	4.80	531	3-71		44	549	-.05	20	33
21-04-0312	2388580	528754	8-66	3	292	15,480	4.67	723	13	10,947	4.70	514	6-71		42	865	.09	50	67
21-04-0312	2507063	574681	12-69	1	305	15,130	5.01	758	9	10,760	4.87	524	3-72		19	422	.03	23	32
21-05-0011	2327003	528754	9-65	5	299	13,686	4.43	606	13	11,832	4.51	534	12-71		44	579	.07	34	45
21-05-0030	2147945	552672	1-62	7	305	14,441	4.88	705	10	11,402	4.90	559	3-71		36	486	.02	24	34
21-05-0030	2417231	526294	5-67	3	305	15,270	5.02	766	21	12,103	4.97	601	12-71		42	536	-.02	23	35
21-05-0030	2434209	528754	10-67	2	305	14,440	4.72	681	9	12,550	4.94	620	4-71		40	556	.07	33	44
21-05-0030	2480212	546331	11-68	1	305	15,860	4.70	745	11	11,910	5.08	605	5-71		36	480	[illegible]	22	33
21-05-0221	2374449	536475	7-66	4	300	13,863	5.24	726	27	12,020	4.73	569	12-71		42	338	.12	28	33
21-05-0221	2411783	528754	2-67	1	305	12,010	5.00	601	16	8,540	4.89	418	7-71		35	610	.12	41	52
21-05-0221	2443674	567828	1-68	2	305	13,655	5.05	689	17	10,675	4.68	500	6-71		25	385	.07	25	32
21-05-0221	2445938	505970	6-67	2	305	14,210	4.27	607	19	10,660	4.91	523	12-71		40	812	-.18	18	39
21-05-0221	2455649	573348	4-68	2	305	13,680	5.18	708	23	10,495	4.74	497	11-71		25	409	.08	27	35
21-05-0244	2373073	566205	9-66	4	305	14,525	4.61	669	27	10,692	4.68	500	9-71		33	702	-.02	30	40
21-05-0244	2419435	566205	10-67	3	305	14,633	4.15	607	25	11,403	4.53	516	2-72		32	597	-.09	18	33
21-05-0244	2439958	570735	8-67	3	305	13,750	4.92	677	20	11,760	4.58	539	10-71		40	576	.06	33	45
21-05-0244	2460381	566205	2-68	2	305	13,980	4.40	615	21	10,660	4.60	490	5-71		29	553	-.04	21	34
21-05-0294	1931360	503512	11-58	6	265	14,297	4.13	591	13	10,133	4.52	458	3-71	B	44	597	-.01	26	39
21-05-0397	2372116	505970	12-64	5	280	11,932	4.42	527	14	10,424	4.53	472	8-71		44	615	-.12	16	32
21-05-0397	2394358	528754	10-66	3	305	15,380	4.03	620	19	10,780	4.56	492	3-71		42	671	.00	40	59
21-05-0397	2418337	561873	11-66	3	305	13,190	4.76	628	22	11,050	4.59	507	11-71		39	415	.03	22	31
21-05-0397	2458753	546331	3-68	1	305	15,520	4.47	693	28	10,820	4.63	501	11-71		36	527	.01	25	36
21-05-0435	2301383	559067	12-64	5	300	13,620	4.53	617	9	11,056	4.70	520	6-71	H	35	467	-.01	20	31
21-05-0435	2372172	528754	11-65	4	305	13,793	5.08	700	22	11,513	4.69	540	2-71		43	621	.15	45	56
21-05-0435	2502378	546331	11-68	2	305	14,370	4.91	705	16	11,235	4.78	537	3-72		40	492	.05	28	38
21-05-0435	2526726	570735	8-68	1	305	12,520	4.68	586	6	11,390	4.81	548	10-71		33	452	.00	21	31
21-05-0982	2153388	507758	4-62	6	305	11,732	5.11	599	12	8,580	4.79	411	10-71		36	515	.08	32	42
21-05-0982	2530771	010016527	9-66	3	305	12,523	4.75	595	20	9,133	4.92	449	4-71		34	691	-.02	30	46
21-06-0149	2157789	548438	3-62	7	305	12,971	4.46	579	14	9,666	4.70	454	7-71		34	579	-.03	23	36
21-06-0149	2313093	505970	4-65	5	303	11,198	4.71	527	11	9,398	4.76	447	9-71		44	640	-.10	19	35
21-06-0149	2334824	505970	6-65	5	296	11,464	4.51	517	8	9,588	4.71	452	7-71		44	652	-.12	17	34
21-06-0149	2375597	505970	6-66	3	305	11,863	4.50	534	11	9,470	4.71	446	10-71		42	702	-.13	18	36
21-06-0149	2376811	505970	8-66	3	298	12,203	4.20	513	11	9,327	4.75	443	10-71		42	756	-.17	16	36
21-06-0149	2376812	505970	8-66	3	305	11,403	4.31	491	14	9,400	4.66	438	2-71		42	655	-.15	14	31
21-06-0149	2408904	505970	5-67	3	305	12,213	3.91	478	12	8,567	4.61	395	12-71		42	837	-.20	17	39
21-06-0655	2561503	010016527	4-58	2	297	13,245	4.60	609	13	10,725	4.38	470	1-72		32	567	.01	27	39
21-06-0708	2428655	528754	8-67	2	305	11,765	4.41	519	18	10,085	4.47	451	7-71		40	509	.08	32	42
21-06-0708	2434031	459489	1-65	3	305	13,120	4.80	630	9	10,567	4.47	472	4-71	H	42	390	.07	25	32
21-06-0950	2264507	505970	1-64	5	304	12,830	4.12	529	16	9,920	4.59	455	5-71		44	791	-.17	18	39
21-09-0130	2274005	505970	5-64	5	299	12,548	3.90	489	8	10,012	4.66	467	6-71		44	744	-.22	11	32
21-10-0181	2386143	528754	8-66	4	305	11,233	4.70	528	16	9,683	4.56	442	3-72		43	507	.11	35	44
21-10-0181	2392605	528754	7-66	3	305	11,733	4.78	561	21	9,360	4.67	437	10-71		42	595	.11	39	5[illegible]
21-10-0181	2490133	505970	12-68	2	298	11,310	4.53	512	16	9,290	4.77	443	12-71		40	642	-.13	16	33
21-10-0310	2315024	528754	11-64	6	280	11,100	4.49	498	36	10,075	4.74	478	1-72		44	448	.06	27	36
21-10-0310	2328337	528754	11-64	5	288	11,426	4.98	569	30	9,848	4.75	468	1-72		44	517	.12	37	46
21-10-0310	2360762	550356	8-65	4	305	13,493	4.77	644	28	10,423	4.85	505	4-71		35	467	-.01	20	31
21-10-0310	2445278	543818	12-67	2	305	14,685	4.43	651	25	10,550	4.88	515	1-71		40	634	-.13	15	32
21-10-0310	2486109	570735	11-68	2	304	11,455	4.71	539	32	9,800	4.83	473	1-72		38	503	.00	23	34
21-10-0310	2486114	570735	11-68	2	291	12,740	4.95	630	20	10,295	4.75	489	4-72		38	591	.04	31	43
21-11-0090	2274341	511244	7-64	5	297	16,852	4.71	794	15	12,688	4.83	613	3-71	H	44	728	-.07	26	43
21-11-0090	2291452	564182	2-65	5	305	16,840	4.38	738	16	11,964	4.86	581	3-72		39	734	-.10	23	41
21-11-0090	2294505	563435	9-64	4	292	16,193	5.11	828	33	12,288	4.70	578	1-71		32	535	.12	37	47
21-11-0090	2403988	546331	2-67	3	305	16,907	4.70	794	16	12,860	4.84	622	12-71		42	654	.01	31	45
21-11-0090	2413702	546331	3-67	3	305	17,863	5.44	971	11	12,033	4.75	571	10-71		42	849	.16	57	72
21-11-0090	2438723	546331	1-68	2	305	16,930	4.68	792	13	11,190	4.58	512	8-71		40	756	.04	39	55
21-11-0090	2446490	546331	3-68	2	305	17,050	4.61	786	12	11,585	4.75	550	11-71		40	732	.01	35	51
21-11-0090	2460898	546331	8-68	1	305	18,820	4.33	814	26	14,690	4.66	685	1-71		36	514	-.03	21	33
21-11-0090	2479334	553667	1-69	1	305	18,690	4.21	787	24	14,710	4.66	685	2-71		36	501	-.03	20	32
21-11-0090	2511601	553667	9-69	1	305	16,070	4.93	792	17	12,470	4.86	606	11-71		36	456	.05	26	35
21-11-0423	2256459	550680	3-64	5	305	14,856	4.54	674	15	10,636	4.64	493	1-71		32	679	-.02	29	44
21-11-0423	2282244	528754	10-64	5	285	11,422	4.98	569	13	10,010	4.78	478	10-71		44	498	.12	36	45
21-11-0423	2321235	528754	3-65	4	305	13,648	5.34	729	15	10,245	4.67	478	7-71		43	745	.20	56	68
21-11-0423	2485378	552896	3-69	1	305	12,740	4.41	562	15	11,300	4.66	527	7-71		35	532	-.04	20	33
21-11-0423	2485379	552896	12-68	2	302	13,585	4.37	593	15	12,445	4.45	554	2-72		39	529	-.03	21	33
21-12-0130	2391079	528754	8-66	2	188	12,175	4.79	583	19	10,780	4.33	467	9-71	B	40	487	.14	37	45
21-12-0130	2394754	528754	5-66	2	171	12,205	4.69	573	22	11,100	4.38	486	10-71	B	40	461	.12	34	42
21-12-0378	2362571	565042	5-65	4	305	15,245	4.28	653	7	10,470	4.63	485	1-71		42	544	-.05	20	33
21-13-0033	2206344	553639	7-62	6	300	12,210	5.58	681	45	10,338	4.89	506	1-72		35	317	.16	31	35
21-13-0033	2385517	566617	10-66	2	305	16,395	4.57	749	43	10,985	4.91	539	5-71		36	703	-.04	28	44
21-13-0033	2416648	546626	8-67	2	293	13,510	5.40	730	42	10,955	4.67	512	12-71		40	312	.13	28	32
21-13-0033	2431182	569414	3-67	3	295	12,876	4.90	631	68	9,993	4.90	490	7-71		32	414	.04	23	31
21-13-0033	2431409	546331	1-68	2	303	12,685	4.92	624	75	10,175	4.90	499	7-71		40	418	.04	23	32
21-13-0033	2434992	552896	12-67	1	305	13,640	4.38	597	50	10,870	4.70	511	1-72		35	630	-.05	24	39
21-13-0033	2450630	552896	6-68	2	246	13,155	4.33	569	41	10,300	4.85	500	12-71		39	685	-.07	24	40
21-13-0033	2450631	552896	5-68	2	271	14,745	4.54	670	35	10,070	4.86	489	6-71		39	871	-.05	35	55
21-13-0033	2455991	552896	7-68	2	217	11,270	4.72	532	42	10,035	5.03	505	10-71		39	514	-.04	19	31
21-13-0033	2482328	570735	3-69	1	305	12,740	5.04	642	84	10,030	4.85	486	10-71		33	564	.04	30	42
21-13-0033	2495050	552896	6-69	1	285	12,040	4.45	536	86	10,350	4.83	500	11-71		35	544	-.05	20	33

TABLE 2. GUERNSEY USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C O	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOLLARS
21-13-0092	2442415	536475	12-67	3	305	14,733	4.48	660	5	11,670	4.63	540	4-72		41	459	.01	22	$ 32
21-13-0092	2471505	570735	8-68	2	304	15,020	4.35	653	8	10,935	4.74	518	10-71		38	771	-.04	31	49
21-13-0092	2471508	558237	12-68	2	303	16,140	4.23	683	5	12,170	4.49	546	3-72		39	673	-.15	15	33
21-13-0328	2285115	504932	2-64	6	280	11,965	4.89	585	19	9,632	4.60	443	11-71		43	363	.09	26	32
21-13-0328	2302071	528754	8-64	4	305	11,168	4.67	521	22	8,543	4.72	403	1-71		43	627	.09	38	50
21-13-0328	2384043	511244	10-66	4	297	13,515	4.85	655	20	10,418	4.93	514	9-71		43	543	-.06	19	32
21-13-0328	2460835	570735	7-68	2	305	11,020	5.40	595	20	9,195	4.83	444	7-71		38	514	.08	32	42
21-13-0500	2425204	552896	1-68	3	305	12,880	5.06	652	27	11,066	4.67	517	2-72		41	596	.04	32	44
21-13-0500	2472602	552896	7-68	2	280	12,370	4.85	600	23	10,920	4.65	508	1-72		39	546	.01	26	38
21-13-0500	2472604	552896	9-68	1	305	12,380	4.56	565	21	10,910	4.67	509	1-71		35	531	-.02	22	34
21-13-0500	2472605	552896	11-68	1	305	13,320	4.95	660	21	10,910	4.67	509	1-71		35	603	.01	29	42
21-13-0500	2472607	552896	4-68	1	303	13,170	4.74	624	20	10,890	4.81	524	5-71		35	593	-.02	25	38
21-13-0500	2478049	552896	10-68	1	305	13,040	4.64	605	22	9,930	4.89	486	8-71		35	649	-.03	27	42
21-13-0500	2480018	552896	5-68	2	288	13,185	4.83	637	23	10,920	4.65	508	1-72		39	630	.01	30	44
21-13-0500	2507418	552896	4-69	1	305	12,570	4.66	586	22	9,930	4.89	486	8-71		35	613	-.03	25	39
21-13-0500	2507420	552896	3-69	1	302	12,950	5.19	672	25	10,120	4.81	487	9-71		35	629	.03	32	45
21-14-0067	2244829	528754	1-64	5	264	12,812	4.92	630	11	10,138	4.30	436	4-71		44	664	.17	49	60
21-14-0067	2348198	528754	2-66	4	305	11,435	4.69	536	15	9,098	4.40	400	9-71		43	598	.12	40	51
21-18-0014	2354438	528754	11-65	4	305	11,920	4.60	548	10	10,810	4.52	489	9-71		43	467	.10	32	41
21-18-0014	2358184	528754	12-65	4	303	12,418	4.62	574	14	10,985	4.46	490	7-71		43	509	.11	35	44
21-18-0014	2456178	528754	10-66	3	305	12,630	4.41	557	10	11,003	4.48	493	6-71		42	527	.08	33	43
21-18-0014	2534115	570735	5-69	1	305	15,400	4.42	681	11	10,590	4.45	471	12-71		33	732	.00	34	51
21-18-0014	2534116	570735	11-68	2	305	12,610	4.46	563	6	11,350	4.38	497	4-72		38	477	.02	24	34
21-18-0014	2534117	570735	3-69	1	305	15,290	3.94	602	7	10,510	4.42	465	1-72		33	729	-.05	28	45
21-21-0097	2383767	528754	8-66	3	297	12,383	4.60	569	28	9,533	4.43	422	10-71		42	653	.10	41	53
21-21-0097	2419492	528754	5-67	3	301	11,373	4.43	504	25	9,393	4.32	406	9-71		42	550	.10	36	46
21-21-0526	2327602	497411	10-62	5	303	13,846	4.61	638	25	8,644	4.55	393	1-72		43	746	-.05	29	46
21-21-0526	2338360	505970	5-65	3	300	12,553	4.19	526	25	8,493	4.34	369	1-71		42	664	-.14	25	47
21-21-0945	2249593	505970	2-64	5	299	13,308	4.28	569	13	10,944	4.81	526	1-72		44	733	-.17	15	35
21-21-0945	2276356	505970	8-64	5	292	12,764	4.74	605	14	11,426	4.88	558	5-71		44	606	-.11	16	31
21-21-0945	2276357	528754	8-64	5	305	13,708	4.34	595	14	11,348	4.74	538	5-71		44	639	.02	32	40
21-21-0945	2290449	528754	1-65	4	297	12,180	4.84	590	14	11,140	4.76	530	7-71		43	462	.11	33	41
21-21-0945	2353716	505970	1-66	4	287	13,860	4.50	624	16	11,843	4.82	571	1-72		43	693	-.15	16	34
21-21-0945	2367828	505970	8-66	4	305	12,813	4.90	628	11	11,358	4.82	547	4-72		43	617	-.09	19	34
21-21-0945	2374762	528754	11-66	4	301	14,630	5.26	770	17	11,603	4.66	541	2-72		43	715	.20	54	66
21-21-0945	2376053	528754	9-66	3	305	15,163	5.09	772	17	11,507	4.68	538	2-72		42	770	.16	53	67
21-21-0945	2383687	505970	1-67	3	304	12,340	4.92	607	10	10,793	5.01	541	8-71		42	618	-.11	17	33
21-21-0945	2453182	505970	1-68	2	305	16,370	4.25	696	17	11,545	4.90	566	6-71		40	951	-.19	23	48
21-23-0476	2344781	505970	5-65	5	298	13,530	4.59	621	38	11,176	4.62	516	1-72		44	735	-.10	23	41
21-23-0476	2398198	505970	1-67	3	305	12,430	4.62	574	34	10,947	4.72	517	11-71		42	613	-.12	16	32
21-23-0476	2467749	546331	4-68	2	305	13,255	4.95	656	35	11,200	4.69	525	11-71		40	382	.06	24	31
21-23-0476	2467754	526294	10-68	2	305	15,760	4.26	672	32	11,365	4.65	529	2-72		40	610	-.10	16	33
21-23-0976	2292528	528754	7-64	6	294	11,753	4.62	543	30	10,297	4.85	499	11-71		44	507	.06	3[illegible]	4[illegible]
21-23-0976	2346685	565515	7-65	4	305	12,745	5.45	694	21	10,007	4.77	477	5-71		34	407	.16	35	41
21-26-0551	2462117	552896	3-68	2	301	12,675	4.80	609	18	10,525	4.49	473	11-71		39	614	.02	30	43
21-29-0404	2403573	533769	4-67	3	298	13,940	4.43	618	5	9,607	4.61	443	11-71		42	693	-.10	21	38
21-30-0079	2201192	534519	3-63	4	305	15,185	5.06	768	29	12,617	4.64	586	3-72		35	376	.12	30	36
21-30-0079	2307068	557896	8-64	6	305	15,756	4.25	669	27	12,723	4.68	596	4-72		38	620	-.12	16	32
21-30-0079	2492742	010017670	7-66	2	305	16,670	4.46	743	27	13,015	4.70	612	7-71		25	500	-.04	19	31
21-30-0079	2568657	010016428	1-68	1	305	19,540	4.34	848	26	13,370	4.65	622	6-71		19	618	-.05	23	38
21-30-0561	2288357	539419	9-64	4	305	14,805	4.35	644	18	10,385	4.64	482	2-71		43	671	-.09	21	35
21-30-0561	2470733	546331	10-68	1	305	15,110	4.20	635	24	10,280	4.36	448	9-71		36	533	-.01	24	36
21-30-0977	2466172	546331	8-68	2	305	14,060	4.98	700	20	12,410	4.45	552	10-71		40	353	.09	26	32
21-30-0977	2466176	552896	5-68	2	299	12,535	4.55	570	21	11,410	4.53	517	5-71		39	517	-.02	22	34
21-30-0977	2504052	546331	11-69	1	305	15,510	4.31	669	20	11,980	4.50	539	11-71		36	449	.00	21	31
21-31-0049	2476033	553667	9-68	1	305	15,650	4.74	742	12	13,020	4.46	581	1-71		36	388	.06	24	31
21-31-0049	2476035	546331	12-67	3	300	16,223	4.06	658	7	11,817	4.54	537	2-72		42	663	-.06	25	41
21-31-0049	2485832	546331	11-68	2	301	15,050	4.26	641	7	12,185	4.51	550	1-72		40	474	-.02	20	31
21-31-0064	2476067	573968	1-69	1	305	13,070	4.38	573	8	8,910	4.65	414	7-71		23	618	-.05	23	36
21-31-0064	2476069	573968	2-69	1	305	17,580	4.34	763	6	9,920	4.62	458	3-71		23	944	-.07	36	55
21-31-0064	2476070	573968	2-69	1	305	16,490	4.36	719	8	9,410	4.65	438	4-71		23	886	-.06	34	55
21-31-0064	2476072	573968	1-69	1	305	16,060	4.08	655	8	9,410	4.65	438	4-71		23	848	-.10	28	49
21-31-0094	2245938	549235	9-62	6	283	14,815	4.15	615	18	11,128	4.51	502	2-72		44	714	-.16	16	35
21-31-0094	2393655	562081	8-66	2	305	13,365	4.53	605	10	10,725	4.26	457	3-72		35	389	.05	23	31
21-31-0286	2203973	528754	3-63	7	305	11,200	4.52	506	20	10,009	4.34	434	6-71		44	469	.11	33	41
21-31-0286	2292004	505970	3-65	4	305	13,453	3.68	495	20	10,775	4.46	481	1-71		43	762	-.23	12	31
21-31-0286	2431996	528754	10-67	2	305	12,075	4.29	518	21	10,595	4.40	466	7-71		40	494	.08	31	40
21-31-0432	2392341	528754	3-67	3	297	14,863	4.99	742	17	11,333	4.41	500	8-71		42	753	.17	53	66
21-31-0432	2393090	536475	2-67	2	305	17,035	4.49	765	22	12,435	4.65	578	3-71		39	586	.01	28	41
21-31-0432	2524668	570735	12-69	1	305	17,030	4.09	696	28	11,860	4.34	515	2-72		33	770	-.03	32	51
21-31-0432	2526029	570735	1-70	1	299	13,890	4.72	655	24	11,960	4.29	513	12-71		33	518	.05	29	39
21-31-0754	2140756	475595	11-61	8	300	11,830	4.51	534	38	9,874	4.87	481	7-71		44	531	-.02	22	34
21-33-0223	2311147	528754	8-64	5	252	14,084	5.24	738	11	10,634	4.75	505	1-71	B	44	772	.18	55	68
21-34-0105	2246817	511244	1-64	6	301	13,533	4.97	672	44	11,158	4.79	535	3-71		44	475	-.02	20	31
21-34-0105	2283130	462105	12-62	5	304	13,566	4.67	634	23	10,604	4.61	489	4-71		43	394	.05	23	31
21-34-0105	2285570	562212	6-64	5	300	13,818	4.70	650	53	11,022	4.86	536	6-71		35	466	-.01	20	31
21-34-0105	2339379	528754	2-65	5	290	13,330	3.87	516	25	10,416	4.73	493	11-71		44	699	-.05	27	43
21-34-0105	2431631	546331	8-67	3	305	14,637	4.52	661	55	10,803	4.71	509	2-72		42	606	.00	28	41
21-34-0105	2476068	573968	9-68	2	299	12,505	5.09	636	61	10,890	4.65	506	12-71		29	438	.05	25	34
21-34-0105	2531811	570735	7-68	2	303	13,985	4.58	641	62	10,835	4.66	505	12-71		38	671	.00	31	46
21-34-0475	2068678	536475	9-60	8	304	11,056	4.32	478	21	8,041	4.35	350	7-71		43	449	.01	22	32
21-34-0475	2531367	505970	3-68	1	305	14,650	4.03	590	12	8,640	4.26	368	1-71		35	916	-.16	25	46
21-35-0043	2350129	505970	11-65	5	302	13,224	3.98	526	27	9,662	4.56	441	11-71		44	873	-.19	19	42
21-35-0043	2398271	505970	12-66	3	305	11,633	4.17	485	25	9,233	4.45	411	5-71		42	700	-.15	16	34
21-35-0277	2377250	505970	1-65	5	302	13,304	4.10	546	7	8,922	4.74	423	6-71		44	970	-.19	24	49

TABLE 2. GUERNSEY USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C O	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
21-35-0882	2293068	560993	7-64	6	295	14,025	4.92	690	19	11,102	4.81	534	12-71		40	391	.10	28	$ 35
21-35-0882	2394434	528754	9-66	4	301	12,783	5.05	645	21	10,760	4.74	510	4-72	H	43	580	.14	42	52
21-37-0008	2373466	503512	4-66	4	295	13,928	4.57	637	9	10,230	4.59	470	1-72		43	516	.06	30	40
21-37-0320	2347042	555217	7-65	4	296	14,442	4.81	694	32	11,325	4.81	545	6-71		41	481	.03	25	35
21-37-0320	2363062	565113	1-66	5	305	13,944	4.95	690	38	11,456	4.84	554	2-72		32	417	.04	23	31
21-37-0320	2421765	448935	10-67	2	305	13,640	4.80	655	31	10,880	4.83	526	9-71		36	424	.06	26	34
21-37-0320	2438244	553667	10-67	2	305	13,735	4.82	662	35	10,985	4.81	528	2-71		40	448	.04	25	34
21-37-0320	2438246	553667	10-67	3	305	14,120	4.91	693	35	11,090	4.88	541	1-72		42	515	.05	29	39
21-37-0320	2464974	553667	4-68	2	305	13,760	5.21	717	32	10,625	4.84	514	9-71		40	484	.09	32	41
21-37-0320	2464992	553667	4-68	1	305	13,840	5.20	720	31	10,980	4.73	519	8-70		36	389	.09	27	34
21-40-0132	2081554	470947	8-60	6	297	13,122	4.73	621	20	9,312	4.49	418	5-71		44	403	.05	24	32
21-40-0982	2167683	543818	9-61	6	299	19,122	4.14	792	18	11,533	4.86	560	11-71		44	1,203	-.21	32	63
21-40-0982	2239897	505970	11-63	6	300	15,495	4.19	649	26	12,377	4.93	610	1-72		44	850	-.22	15	38
21-40-0982	2284934	528754	10-64	5	303	15,024	4.77	716	15	12,286	4.82	592	6-71		44	701	.09	42	56
21-40-0982	2344509	528754	8-65	3	303	13,450	5.26	708	26	12,270	4.89	600	1-71		42	490	.16	39	47
21-40-0982	2349348	505970	6-65	5	302	14,248	4.71	671	25	12,468	4.96	618	2-72		44	677	-.13	17	34
21-40-0982	2382082	528754	7-66	4	305	14,195	4.98	707	29	12,385	4.93	610	11-71		43	573	.11	38	49
21-40-0982	2382085	528754	8-66	3	305	14,807	5.25	777	15	12,473	4.73	590	5-71		42	627	.18	48	58
21-40-0982	2435270	570735	7-67	2	305	16,205	4.45	721	31	12,555	4.87	612	12-71		38	742	-.05	29	45
21-40-0982	2435271	571518	7-67	3	305	15,586	4.83	753	30	12,826	4.87	625	12-71		31	461	.04	25	34
21-40-0982	2435281	528754	2-67	3	304	14,023	5.03	705	15	12,407	4.73	587	4-72		42	542	.14	40	49
21-40-0982	2435282	570735	12-66	3	304	15,450	4.76	735	32	12,570	4.91	617	12-71		40	692	.00	32	47
21-40-0982	2435284	528754	10-66	2	305	14,245	4.86	693	28	12,285	4.95	608	10-71		40	560	.09	35	46
21-40-0982	2469849	570735	7-68	2	305	13,985	5.08	710	36	12,925	4.87	629	12-71		38	473	.05	27	36
21-42-0151	2282455	528754	11-64	5	305	14,926	4.89	730	6	11,564	4.90	567	1-71		44	773	.10	46	61
21-42-0151	2295512	528754	2-64	6	304	12,670	5.63	713	8	11,553	4.83	558	7-71		44	479	.22	45	51
21-42-0151	2317708	528754	4-65	4	305	14,838	5.52	819	6	11,480	4.73	543	4-71		43	755	.23	60	72
21-42-0151	2321944	528754	4-65	5	305	13,244	5.08	673	7	11,114	4.99	555	8-71		44	606	.11	40	51
21-42-0151	2327642	528754	10-65	4	302	12,970	5.22	677	8	11,508	4.58	527	6-71		43	519	.19	44	52
21-42-0335	2387195	528754	1-67	4	259	11,648	4.34	506	18	9,428	4.66	439	12-71		43	588	.05	32	44
21-42-0410	2381024	539742	10-66	4	295	12,038	4.57	550	24	10,328	4.54	469	3-72		43	403	.04	23	31
21-42-0410	2443054	539742	6-68	2	305	12,645	4.57	578	30	9,820	4.60	452	10-71		40	482	.05	27	37
21-42-0410	2458872	533769	3-68	2	305	14,815	4.17	618	40	10,495	4.58	481	12-71		40	650	-.14	15	32
21-42-0410	2512651	570735	12-69	1	305	13,130	4.36	573	40	10,710	4.52	484	1-72		33	547	-.01	24	36
21-47-0330	2361172	528754	11-65	4	304	12,703	4.90	622	64	10,365	4.58	475	6-71		43	614	.14	43	54
21-47-0330	2366111	505970	3-66	4	302	12,683	4.30	545	59	10,408	4.60	479	5-71		43	707	-.15	17	35
21-47-0330	2389959	528754	10-66	4	301	12,628	5.40	682	34	10,068	4.73	476	10-71		43	638	.19	50	[illegible]
21-47-0330	2422451	570735	7-67	3	295	13,203	4.94	652	59	10,506	4.52	475	5-71		[illegible]	646	[illegible]	37	[illegible]
21-47-0330	2464811	575101	6-68	2	305	14,720	4.54	669	39	10,550	4.58	483	1-72		29	679	.00	31	40
21-47-0330	2502896	575101	7-69	1	305	13,350	4.22	564	45	10,170	4.26	433	5-71		23	470	-.02	20	[illegible]
21-47-0330	2502899	575101	6-69	2	292	13,250	4.54	602	23	10,610	4.34	461	3-72		29	494	.02	25	35
21-47-0330	2512759	575101	8-69	1	305	14,210	4.26	605	13	10,820	4.38	474	3-72		23	495	-.02	21	32
21-48-0049	2385859	563533	7-66	2	297	12,275	5.23	642	7	9,115	4.74	432	2-71		25	388	.08	26	33
21-48-0049	2434414	505970	8-67	3	305	11,080	4.41	489	8	8,330	4.97	414	4-72		42	730	-.16	16	35
21-49-0005	2438615	505970	6-67	3	299	11,383	4.59	522	12	8,557	4.63	396	7-71		42	741	-.11	22	[illegible]
21-52-0139	2314585	505970	11-63	4	295	11,578	4.40	509	11	9,605	4.72	453	7-71		43	660	-.14	15	32
21-52-0139	2342273	505970	10-65	4	301	13,438	4.25	571	21	9,348	4.65	435	3-72		43	920	-.16	25	46
21-52-0139	2387737	528754	8-66	2	305	13,025	5.09	663	24	9,285	4.59	426	2-71		40	711	.15	49	62
21-52-0139	2455153	570784	8-68	1	305	15,670	3.97	622	28	9,490	4.67	443	10-71		19	582	-.09	17	32
21-52-0139	2478619	533769	9-68	1	305	15,240	3.95	602	32	9,150	4.61	422	9-71		36	667	-.16	14	32
21-52-0184	2417578	546331	10-67	3	305	15,563	4.95	770	6	11,503	4.82	554	1-72		42	640	.06	36	49
21-52-0184	2445213	570735	10-67	3	305	12,790	5.07	649	9	11,520	4.86	560	9-71		40	487	.05	28	36
21-52-0353	2388583	528754	10-66	3	297	12,953	4.78	619	6	9,813	4.51	443	12-71		42	590	.12	45	58
21-52-0353	2401771	528754	10-66	3	305	12,520	5.38	673	6	9,840	4.48	441	3-72		42	636	.21	52	62
21-53-0207	2293337	528754	11-64	4	305	14,108	4.98	703	14	11,050	4.43	490	10-71		43	712	.17	51	63
21-55-0118	2390409	568947	12-66	3	303	15,130	4.71	712	19	12,230	4.51	552	5-71		29	445	.03	24	33
21-55-0122	2181460	549235	12-62	5	304	13,374	4.99	667	29	11,072	4.83	535	10-71		44	534	-.05	19	32
21-55-0122	2279458	528754	9-64	5	297	14,386	4.84	696	24	11,070	4.75	526	3-71		44	760	.11	47	62
21-55-0122	2350629	565588	12-65	4	302	14,188	4.73	671	40	10,900	4.94	538	9-71		30	513	-.02	22	34
21-55-0122	2391737	528754	8-66	3	305	12,663	5.37	680	26	11,210	4.72	529	6-71		42	509	.19	43	51
21-55-0122	2435465	528754	8-67	1	305	14,800	4.77	706	20	12,040	4.74	571	2-71		35	583	.10	38	49
21-55-0499	2293878	528754	2-65	5	285	11,212	5.05	566	13	10,188	4.72	481	1-72		44	450	.14	35	42
21-56-0724	2288027	505970	9-64	5	305	11,486	4.43	509	5	9,382	4.76	447	6-71		44	679	-.14	16	34
22-10-0005	2360912	562133	12-65	4	304	12,248	4.35	533	16	8,865	4.53	402	3-72		33	545	-.03	22	35
22-10-0005	2572521	562133	11-69	1	305	13,750	4.95	681	21	9,620	4.64	446	11-71		23	450	.05	26	35
22-10-0046	2433721	570735	1-68	1	305	11,010	4.81	530	62	9,970	4.62	461	8-71		33	433	.03	23	32
22-10-0055	2385765	566617	7-66	3	305	12,600	4.75	599	26	9,586	4.91	471	12-71		38	469	-.02	20	31
22-10-0055	2444107	546331	7-67	3	304	12,810	4.93	632	40	9,910	4.99	495	12-71		42	488	.03	26	36
22-10-0055	2493875	546331	4-69	1	305	14,350	4.61	661	21	10,200	4.87	497	6-71		36	482	.01	23	33
22-10-0117	1956410	527889	4-59	7	305	11,413	5.27	602	68	9,393	4.92	462	2-71		36	376	.08	26	33
22-10-0117	2084738	527889	7-61	6	305	11,525	4.76	549	67	8,778	4.90	430	4-71		36	475	.00	22	32
22-10-0117	2117148	527889	9-61	5	305	11,938	5.12	611	70	8,834	4.95	437	2-71		36	529	.05	30	41
22-10-0117	2157971	540802	7-62	5	305	11,796	4.96	585	83	9,080	4.89	444	7-71		36	417	.04	23	31
22-10-0117	2263048	555132	7-64	5	301	12,186	5.53	674	74	8,946	4.88	437	8-71		36	491	.15	38	46
22-10-0117	2331612	555132	7-65	4	305	11,510	5.25	604	74	8,695	4.91	427	10-71		35	408	.09	28	35
22-10-0117	2375017	563683	8-66	3	305	13,223	5.12	677	88	9,023	4.84	437	4-71		32	554	.07	33	44
22-10-0117	2484224	527889	5-69	1	265	14,530	4.94	718	65	9,650	4.86	469	1-72	B	25	527	.03	27	36
22-10-0130	2335134	567265	9-65	4	305	13,742	4.92	676	27	11,667	4.65	542	6-71		33	361	.08	25	31
22-10-0130	2378718	567265	12-66	3	305	14,670	4.81	705	14	11,926	4.74	565	10-71		32	436	.05	25	34
22-10-0130	2426113	546331	12-67	2	305	14,415	4.81	694	33	12,035	4.81	579	1-72		40	423	.03	23	32
22-10-0130	2501964	557543	10-69	1	305	18,460	4.32	798	29	12,390	4.82	597	2-72		35	529	-.06	18	31
22-25-0016	2128806	547978	6-61	7	300	12,616	4.94	623	53	10,099	4.83	488	5-71		34	415	.03	22	31
22-25-0016	2257995	506243	2-64	4	305	14,140	4.84	685	54	10,003	4.91	491	2-71		43	667	-.01	30	45
22-25-0016	2305452	505970	11-64	5	302	12,118	4.20	509	64	9,602	4.92	472	6-71		44	736	-.19	13	33
22-25-0016	2305454	505970	11-64	5	297	13,348	4.50	600	56	10,118	4.82	488	4-71		44	836	-.14	23	44

TABLE 2. GUERNSEY USOA-OHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C O	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
22-25-0016	2374831	505970	10-65	4	301	12,613	4.84	610	42	10,423	4.84	504	2-71		43	697	-.09	22	$ 39
22-25-0016	2412084	505970	9-66	4	288	11,205	4.87	546	79	9,423	4.91	463	6-71		43	634	-.10	19	35
22-25-0016	2413527	569703	10-66	4	305	13,790	4.68	645	79	9,445	4.93	466	12-71		30	652	-.02	28	43
22-25-0016	2415232	505970	12-66	3	305	11,940	4.72	564	46	9,800	4.92	482	4-72		42	676	-.12	18	35
22-25-0126	2271885	505970	7-64	5	305	12,636	4.67	590	70	9,300	5.14	478	11-71		44	839	-.14	23	44
22-25-0126	2411587	528424	5-67	3	305	12,110	5.71	691	57	9,720	5.16	502	12-71		42	436	.09	30	38
22-25-0126	2427106	553667	11-67	3	305	14,933	4.53	676	59	9,840	5.19	511	12-71		42	737	-.04	35	47
22-25-0126	2427114	553667	11-67	2	305	15,400	5.05	778	39	10,405	5.08	529	2-71		40	670	.06	37	51
22-25-0126	2451163	553667	2-68	2	305	11,250	5.41	609	75	9,160	5.23	479	8-71		40	363	.07	24	31
22-25-0126	2536465	546331	9-69	1	305	12,280	5.25	645	87	9,150	5.20	476	9-71		36	398	.04	23	31
22-25-0134	2342363	505970	6-65	4	305	12,600	4.06	511	9	10,270	4.81	494	1-71		43	712	-.20	11	31
22-26-0074	2242477	543747	9-63	4	305	14,088	5.12	722	13	11,375	4.53	515	4-71		33	371	.11	29	35
22-26-0074	2242478	511244	9-63	5	304	13,528	4.69	634	16	10,664	4.71	502	11-71		44	532	-.06	18	31
22-26-0074	2242646	549588	9-63	4	305	16,278	4.31	701	14	11,435	4.67	534	2-71		43	686	-.08	23	4[illegible]
22-26-0074	2399698	546331	1-67	3	274	15,170	4.25	644	16	12,223	4.59	561	2-72	B	42	520	-.04	20	32
22-29-0154	2296006	548911	12-64	5	250	14,468	4.51	652	22	11,734	4.64	544	10-71		36	537	-.03	22	34
22-29-0154	2346388	505970	9-65	4	263	14,860	4.41	656	16	10,520	4.85	510	2-71		43	966	-.16	27	51
22-29-0154	2407999	565965	11-66	3	297	13,866	4.61	639	22	10,410	4.71	490	5-71		36	493	.00	23	34
22-29-0303	1905264	448080	6-56	8	305	13,495	4.83	652	113	10,560	4.96	524	6-71		37	649	.07	37	50
22-29-0303	2007594	448080	12-57	4	305	14,140	6.05	855	91	10,593	4.97	526	2-71		36	722	.30	65	75
22-29-0303	2150646	475548	3-60	6	268	13,875	5.55	770	126	11,065	5.06	560	2-71	B	44	496	.14	38	46
22-29-0303	2224748	559319	4-63	6	305	15,446	4.41	681	124	11,076	4.97	551	4-71		36	633	-.09	20	36
22-29-0303	2258392	556731	12-61	7	303	15,164	4.52	685	114	10,526	5.01	527	9-71		36	644	-.08	21	37
23-01-0095	2339257	511244	5-65	5	305	15,134	4.80	727	18	11,430	4.62	528	9-71		44	652	-.02	28	43
23-01-0095	2463797	553667	5-68	2	295	13,215	4.88	645	20	11,310	4.54	513	9-71		40	366	.08	25	32
23-01-0154	2323139	550919	10-63	5	305	14,752	4.32	638	13	10,706	4.49	481	5-71		43	607	-.06	22	36
23-02-0028	2505014	562098	3-69	1	305	13,670	4.82	659	25	10,880	4.60	501	7-71		26	491	-.01	22	33
23-02-0047	2273378	459489	8-64	5	296	12,868	4.65	599	19	9,378	4.66	437	4-71		44	529	.02	27	36
23-05-0002	2294082	560835	12-64	5	305	12,158	5.06	615	12	9,068	4.70	426	10-71		44	449	.06	27	36
23-05-0124	2085294	547009	6-61	8	305	14,185	4.74	672	14	12,630	4.53	572	5-71		36	358	.08	25	31
23-05-0124	2358371	549588	8-65	4	305	16,165	4.42	714	21	12,920	4.54	586	9-71		43	506	-.04	19	31
23-05-0124	2463122	562683	5-68	2	305	14,305	4.89	699	7	11,290	4.55	514	3-72		33	489	.12	35	44
23-05-0162	2463818	573037	6-68	2	304	15,140	4.43	671	26	10,595	4.72	500	1-72		28	689	-.04	27	43
23-05-0232	2271679	550014	8-64	5	305	15,296	4.61	705	9	12,876	4.61	593	4-71		43	497	-.04	19	31
23-05-0232	2285638	550014	11-64	4	305	16,090	4.68	753	10	12,717	4.58	583	11-70		42	602	-.03	25	39
23-05-0232	2285640	550014	12-64	4	305	17,725	4.43	786	8	12,507	4.61	576	11-70		42	832	-.08	30	50
23-05-0232	2334046	568218	7-65	3	305	18,443	4.10	756	17	13,297	4.61	613	3-71		29	780	-.12	23	42
23-05-0232	2361787	550014	4-66	4	305	15,405	4.43	683	9	12,535	4.56	572	2-72		42	536	-.06	18	31
23-05-0232	2460372	566205	6-68	1	305	17,050	4.67	796	22	11,710	4.53	531	10-71		23	654	.00	30	44
23-05-0232	2490435	553667	7-68	1	305	15,940	4.05	645	28	11,780	4.44	523	7-71		36	492	-.02	21	32
23-05-0273	2379999	550919	11-66	4	305	15,920	4.46	710	16	10,790	4.79	517	1-72		42	723	-.07	26	43
23-06-0031	2512969	566017	3-68	2	305	13,360	5.45	728	11	10,070	4.59	462	4-72		29	416	.15	35	41
23-06-0061	2287169	560243	11-64	4	302	12,450	4.69	584	8	9,840	4.41	434	9-71		34	457	.07	28	37
23-06-0061	2287173	560243	12-64	4	302	12,370	4.50	557	12	10,193	4.35	443	4-71		34	400	.04	23	31
23-06-0077	2333892	505970	4-65	5	305	11,272	5.13	578	7	9,920	4.75	471	2-72		44	588	-.05	22	35
23-07-0015	2299641	505970	3-64	6	305	12,370	4.65	575	15	10,420	4.72	492	8-71		44	672	-.11	19	36
23-07-0015	2390764	528424	11-66	3	305	12,940	5.13	664	20	10,323	4.70	485	12-71		42	470	.06	28	37
23-07-0015	2397483	528424	1-67	3	305	13,010	4.53	590	18	10,263	4.65	477	12-71		42	484	-.01	21	32
23-07-0015	2415164	528424	4-67	2	305	12,870	4.85	624	16	9,910	4.59	455	2-71		40	468	.02	24	34
23-07-0059	2331344	515501	2-64	6	302	13,117	4.74	622	16	10,137	5.05	512	10-71		44	579	-.07	19	33
23-07-0188	2275898	528420	11-64	5	304	14,806	4.59	680	8	10,764	4.66	502	4-71		38	646	.01	31	45
23-07-0188	2382153	528420	10-66	3	305	13,996	5.07	710	16	11,916	4.67	556	7-71		35	346	.10	26	32
23-07-0188	2395855	528420	3-67	3	305	13,436	5.17	694	13	11,160	4.62	516	11-71		35	362	.11	28	34
23-07-0188	2412295	528420	7-67	3	305	19,310	3.99	771	16	11,576	4.65	538	1-72		35	1,077	-.12	36	62
23-07-0221	2498471	546331	8-69	1	305	12,770	4.89	625	10	8,930	4.48	400	10-71		36	449	.06	27	36
23-08-0057	2341553	523029	9-65	5	301	12,808	4.98	638	45	11,046	4.89	540	12-71		43	453	.01	22	32
23-08-0057	2378810	523029	7-66	4	303	13,835	4.90	678	45	10,965	4.87	534	11-71		42	585	.01	28	41
23-08-0057	2395735	523029	10-66	3	305	14,703	5.06	744	33	11,747	4.83	567	2-71		41	581	.04	31	43
23-08-0057	2508158	523029	7-69	1	305	14,820	4.28	635	41	11,020	4.76	525	10-71		35	537	-.05	19	32
23-08-0064	2291708	546331	4-65	5	305	13,114	4.99	654	21	11,336	4.80	544	8-71		44	396	.06	24	32
23-08-0064	2443431	569116	9-67	2	305	16,095	4.67	752	27	11,180	4.67	522	5-71		25	637	.01	30	44
23-08-0071	2278471	505970	11-64	5	299	14,430	3.85	556	17	10,276	4.61	474	7-71		44	958	-.23	19	45
23-08-0071	2460609	537301	9-68	2	305	15,055	4.44	669	20	10,840	4.48	486	2-72		38	476	.04	26	36
23-08-0441	2211423	540862	4-63	5	305	18,888	3.54	669	21	11,254	4.41	496	2-71		36	1,222	-.26	27	59
23-09-0131	2446884	553667	5-68	2	305	12,480	4.66	581	32	9,955	4.65	463	9-71		40	415	.04	23	31
23-09-0131	2490367	553667	9-68	2	305	13,155	4.63	609	27	9,950	4.73	471	1-72		40	484	.03	25	35
23-09-0811	2366216	505970	12-65	3	305	12,393	4.64	575	22	10,833	4.44	481	4-71		42	620	-.09	19	34
23-09-0811	2420057	567912	3-67	3	303	15,713	3.93	617	23	11,160	4.44	495	1-72		31	674	-.12	18	35
23-09-0816	2243891	550156	1-64	4	305	12,290	5.13	631	14	9,840	4.66	459	2-71		30	370	.09	26	33
23-09-0816	2420245	570735	7-67	3	305	12,583	4.56	574	15	9,966	4.68	466	6-71		40	630	.00	29	43
23-10-0125	2439610	537680	6-66	4	304	12,050	4.76	574	13	9,077	4.77	433	11-71		43	597	.01	29	42
23-14-0072	2428074	505970	10-65	2	305	13,115	4.38	575	11	10,935	4.73	517	4-71		40	675	-.15	15	33
23-14-0184	2440331	549235	3-68	2	297	13,685	4.91	672	11	10,440	4.54	474	9-71		40	574	-.05	21	35
23-15-0082	2268739	529773	3-64	6	305	13,065	4.91	641	33	10,058	4.97	500	3-72		44	453	.06	27	36
23-15-0082	2436288	511244	5-67	3	305	12,907	4.65	600	26	9,330	4.94	461	10-71		42	564	-.08	17	31
23-15-0082	2506394	552896	6-69	1	305	12,470	4.39	548	40	10,460	4.99	522	10-71		35	569	-.06	20	34
23-15-0083	2019711	538531	8-60	8	305	13,184	4.58	604	11	9,775	4.82	471	2-71		35	545	-.04	21	34
23-15-0083	2430662	459489	11-67	2	305	14,020	5.09	713	21	9,820	4.62	454	5-71		40	518	.09	33	43
23-15-0256	2467899	557482	11-67	2	305	12,170	5.58	679	14	9,800	4.69	460	4-71		39	412	.07	26	34
23-15-0256	2467900	557482	11-67	2	305	14,425	4.82	696	17	9,515	4.72	449	5-71		39	672	-.02	29	44
23-15-0327	2355165	529773	2-66	4	293	11,048	5.13	567	31	8,565	4.72	404	10-71		43	352	.11	28	34
23-15-0616	2060247	529276	7-60	8	300	14,623	4.51	660	26	11,003	4.81	529	9-71		38	617	-.08	20	35
23-15-0616	2102845	455056	9-61	4	305	15,925	4.48	714	27	10,178	4.73	481	2-71		43	725	-.01	32	48
23-15-0616	2279607	529276	4-64	5	305	14,230	4.44	632	27	10,800	4.77	515	7-71		38	587	-.09	18	33
23-15-0616	2375409	529773	3-66	2	289	13,885	5.42	752	19	11,380	4.83	550	1-72	B	40	334	.15	31	36

TABLE 2. GUERNSEY USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C D	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
23-15-0626	2210206	557091	1-63	5	305	12,348	5.33	658	13	9,000	5.02	452	1-71		36	566	.08	35	$ 46
23-15-6001	2013012	539442	1-60	9	305	14,167	4.52	640	21	9,401	4.87	458	12-70		36	835	-.04	34	53
23-16-0004	2246381	515501	10-62	7	298	14,140	4.18	591	19	10,956	4.58	502	4-71		44	616	-.12	16	32
23-16-0004	2443704	553667	8-67	3	297	12,510	4.62	578	11	9,416	4.63	436	9-71		42	503	.03	26	37
23-19-0002	2416798	557543	3-67	3	305	14,030	4.57	641	5	10,003	4.85	485	12-71		42	517	-.04	20	32
23-19-0014	2418247	529773	11-65	3	263	12,023	5.28	635	28	9,703	4.80	466	9-71		42	329	.13	29	34
23-19-0057	1985318	459489	7-59	10	305	13,232	4.69	621	16	10,358	4.61	478	4-71		44	462	.04	25	34
23-19-0057	2118997	549223	8-61	9	301	13,260	4.65	617	17	10,491	4.62	485	3-72		35	556	-.01	25	37
23-19-0061	2138724	496783	11-61	5	305	17,566	4.67	821	26	10,350	4.60	476	9-71		44	1,031	.05	53	75
23-19-0088	2193560	459489	4-62	8	302	14,528	4.62	671	24	10,969	4.66	511	4-72		44	559	.02	28	40
23-19-0088	2266656	505970	1-64	4	256	12,365	4.21	521	18	10,013	4.51	452	7-71		43	712	-.15	17	36
23-19-0088	2268226	505970	1-64	5	271	12,514	4.44	556	18	10,742	4.51	485	3-72		44	653	-.11	18	35
23-19-0088	2491734	562021	10-68	2	305	15,600	5.26	821	33	12,080	4.72	570	11-71		40	403	.11	30	37
23-19-0088	2494735	553667	5-69	1	305	15,360	5.33	818	52	10,620	4.73	502	8-71		36	527	.10	35	45
23-19-0088	2533483	573712	11-69	1	305	14,920	5.10	761	47	10,760	4.74	510	8-71		23	383	.06	24	31
23-19-0101	2458323	571402	1-68	2	305	16,355	5.13	839	22	9,930	4.72	469	10-71		25	812	.09	47	63
23-20-0139	2391140	528424	3-67	3	296	14,797	4.22	624	26	10,607	4.68	496	10-71		42	656	-.07	23	39
23-20-0139	2411085	569097	1-67	3	305	14,813	4.13	612	22	9,973	4.70	469	9-71		29	689	-.10	21	36
23-20-0139	2454805	528424	1-68	2	299	15,390	3.74	576	18	10,350	4.57	473	3-71		40	684	-.13	18	35
23-20-0315	2434849	553667	8-67	3	304	14,946	4.12	616	15	12,413	4.32	536	12-71		42	473	-.02	20	31
23-21-0391	2288076	533769	5-64	3	305	15,720	4.54	713	17	11,960	4.55	544	7-71		42	654	-.09	21	37
23-22-0048	2418071	570835	8-67	1	290	15,360	4.28	658	27	9,310	4.67	435	1-72		19	568	-.05	21	34
23-28-0008	2431012	540259	7-67	2	305	15,010	4.44	667	27	10,340	4.55	470	12-70		39	579	-.03	24	37
23-28-0008	2455463	553667	2-68	2	305	14,305	5.03	720	13	11,465	4.52	518	3-71		40	462	.10	32	4[illegible]
23-28-0118	2465790	552896	8-68	2	297	11,110	4.88	542	21	9,890	4.61	456	11-71		39	511	.01	25	36
23-28-0118	2465793	552896	10-68	1	305	12,490	4.84	604	21	9,590	4.68	449	10-71		35	630	.00	29	43
23-28-0186	2257136	555454	10-63	6	305	14,127	4.57	646	14	10,008	4.78	478	9-71		36	743	-.05	29	46
23-28-0186	2410456	475595	2-67	3	305	12,040	4.43	533	13	9,347	4.83	451	8-71		42	594	-.02	25	38
23-28-0186	2434744	546618	1-68	3	304	15,790	4.46	704	9	10,307	4.60	474	2-72		42	525	.04	28	39
23-28-0332	2155839	496783	5-62	5	305	13,394	4.58	613	8	10,338	4.86	502	5-71		44	495	.00	23	34
23-33-0103	2392791	537680	10-66	3	305	11,266	4.84	545	19	9,363	4.60	431	2-72		42	458	.04	25	34
23-33-0103	2475848	571506	3-69	1	305	12,550	4.93	619	26	9,130	4.55	415	10-71		32	495	.01	24	35
23-36-0043	2362115	550702	9-65	3	305	11,477	4.76	546	18	8,340	4.62	385	6-71		29	423	.02	22	31
23-36-0062	2230048	522908	2-63	6	305	14,320	4.36	625	16	9,417	4.74	446	6-71		44	601	-.08	19	34
23-36-0107	2380186	561859	6-66	4	305	11,670	5.42	633	43	9,635	4.76	459	8-71		35	322	.13	28	33
23-36-0107	2538944	552896	11-69	1	305	11,380	4.36	496	50	9,850	4.85	478	10-71		35	527	-.05	19	32
23-36-0173	2362315	557990	12-65	4	305	12,188	5.32	649	23	9,505	4.91	467	2-72		33	453	.11	32	4[illegible]
23-36-0174	2061857	545515	8-60	8	303	13,956	4.97	694	23	11,006	4.79	527	3-72		39	512	.04	28	38
23-36-0174	2319238	546331	3-65	5	301	13,482	5.21	703	28	11,362	4.91	558	11-71		44	441	.08	29	37
23-36-0176	2174013	537643	11-62	6	305	13,653	5.18	707	17	11,695	4.67	546	7-71		32	337	.11	27	32
23-36-0244	2391921	459489	6-66	3	305	11,910	4.75	566	15	8,730	4.55	397	2-72		42	441	.04	25	34
23-36-0289	2408620	528424	8-66	3	304	12,840	4.78	614	16	10,643	4.53	482	3-71		42	424	.03	23	32
23-36-0289	2455232	556020	9-67	2	305	15,500	4.28	663	32	9,920	4.73	469	2-71		40	610	-.04	24	36
23-36-0325	2500353	553667	12-68	1	305	12,310	4.61	568	14	8,380	4.28	359	6-71		36	450	.05	26	35
23-36-0425	2390992	546618	12-66	3	285	14,307	4.90	701	27	10,100	4.56	461	8-71		42	374	.11	29	35
23-36-0425	2404511	556020	12-66	4	304	14,223	4.53	644	28	10,563	4.66	492	12-71		43	502	.00	23	34
23-36-0425	2422087	528424	5-67	3	301	12,543	4.96	622	35	10,180	4.65	473	11-71		42	438	.05	25	34
23-36-0425	2449555	553667	12-67	3	305	14,990	4.40	659	23	11,276	4.60	519	1-72		42	595	.00	27	40
23-36-0425	2459910	553667	4-68	2	305	13,230	4.78	633	28	10,905	4.59	500	2-72		40	404	.06	25	33
23-36-0425	2466562	573697	6-68	2	305	15,810	4.36	689	20	11,315	4.69	531	3-72		25	585	-.06	21	35
23-36-0425	2479140	553667	9-68	2	305	13,100	4.78	626	28	10,640	4.67	497	11-71		40	415	.05	24	32
23-36-0425	2500026	553667	3-69	1	305	13,900	4.28	595	23	10,160	4.63	470	6-71		36	449	.00	21	31
23-36-0524	2104484	459489	7-61	2	305	14,935	4.62	690	46	10,730	4.67	501	3-71		40	528	.02	26	37
23-36-0524	2310740	528754	8-63	1	295	11,660	5.17	603	64	10,650	4.56	486	5-71		35	440	.15	36	43
23-36-0524	2391922	539419	6-65	3	305	13,370	4.64	621	45	9,480	4.67	443	11-71		42	565	-.05	21	34
23-36-0524	2508868	552896	12-69	1	305	13,660	4.38	598	54	11,520	4.64	535	2-72		35	587	-.04	23	37
23-36-0524	2521428	576017	8-69	1	305	16,990	4.44	755	51	11,340	4.65	527	2-72		19	550	-.02	23	36
23-36-0594	2419774	528424	6-67	3	299	13,647	4.19	572	20	9,590	4.84	464	12-71		42	629	-.08	20	35
23-36-0594	2484753	549588	8-68	2	305	14,465	4.34	628	21	9,440	4.83	456	11-71		40	576	-.07	19	33
23-36-0629	2194535	555217	3-63	7	305	13,340	4.86	648	26	10,618	4.72	501	11-71		42	436	.05	25	34
23-36-0629	2341078	549235	1-66	4	302	12,975	4.33	562	21	9,508	4.70	447	5-71		44	649	-.14	15	32
23-36-0646	2281871	549235	10-64	6	302	14,875	4.67	694	18	11,832	4.60	544	2-72		44	640	-.08	21	37
23-36-0832	2101593	544991	9-61	4	305	15,463	4.51	697	19	11,758	4.65	547	10-71		43	474	-.02	20	31
23-36-0832	2478343	574020	3-69	1	305	18,180	4.19	761	23	11,390	4.71	537	8-71		34	627	-.10	18	34
23-36-6403	2265058	549235	4-64	6	301	12,662	4.73	599	23	10,028	4.70	471	10-71		44	564	-.08	17	31
23-36-6403	2383271	565823	8-66	3	305	14,990	4.66	698	9	11,247	4.72	531	4-71		29	551	.00	25	37
23-37-0066	2380047	568704	1-66	4	305	15,563	3.87	603	30	10,750	4.43	476	11-71		30	743	-.13	20	39
23-37-0066	2380049	568446	1-66	3	305	13,433	4.72	634	30	10,953	4.38	480	12-70		33	488	.08	31	40
23-37-0066	2400869	537680	11-66	3	304	12,603	4.38	552	19	10,736	4.14	445	6-71		42	470	.02	24	34
23-37-0066	2412095	537680	3-66	4	295	13,435	4.25	571	25	10,817	4.36	472	1-72		43	574	-.02	24	37
23-37-0066	2432354	568446	6-67	3	301	11,816	5.12	605	27	10,603	4.29	455	10-71		33	313	.15	30	34
23-37-0066	2441808	566946	1-68	3	305	15,030	4.23	636	29	10,866	4.38	476	10-71		40	466	-.01	20	31
23-37-0066	2470378	568446	4-68	2	305	13,325	4.66	621	25	11,220	4.39	492	9-71		30	415	.07	26	34
23-37-0066	2476744	568446	8-68	2	305	14,030	4.68	657	32	12,140	4.32	525	12-71		30	400	.08	27	34
23-37-0066	2476755	537680	11-68	2	305	14,720	4.02	592	25	12,325	4.35	536	1-72		40	520	-.05	19	31
23-37-0066	2488490	537680	1-68	2	305	13,715	4.16	570	18	11,290	4.30	485	2-71		40	513	-.03	21	33
23-37-0084	2218029	515501	5-63	6	304	15,600	3.89	607	16	10,740	4.59	493	1-72		44	832	-.18	19	41
23-37-0084	2347985	537680	2-66	5	298	13,528	4.30	582	18	11,160	4.47	499	9-71		44	559	-.03	23	36
23-37-0084	2426781	553667	5-67	2	294	12,760	4.54	579	12	10,090	4.51	455	7-71		40	431	.03	23	32
23-40-0022	2169026	529773	10-62	4	305	13,815	4.80	663	55	11,340	4.67	530	1-71		43	385	.08	26	33
23-40-0022	2173768	550942	9-62	6	301	15,635	4.36	681	46	10,732	4.72	507	5-71		44	793	-.08	28	47
23-40-0022	2275292	557066	10-64	4	305	13,920	4.49	625	41	10,558	4.65	491	3-71		35	685	-.02	29	45
23-40-0022	2433539	561435	12-67	2	303	14,595	4.95	722	49	10,515	4.62	486	6-71		30	547	.04	29	4[illegible]
23-40-0022	2448025	533769	5-66	4	303	13,390	4.50	603	45	10,170	4.66	474	9-71		44	595	-.10	17	32
23-40-0113	2190512	544991	1-63	5	305	13,558	4.79	649	13	9,366	4.94	463	12-71		44	530	.01	25	37

TABLE 2. GUERNSEY USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C D	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
23-40-0113	2469714	570930	1-69	1	305	12,510	4.97	622	6	8,730	4.91	429	5-71		23	468	.02	24	$ 34
23-40-0120	2477001	568724	4-68	2	305	12,885	4.73	610	11	8,125	4.74	385	8-71		28	621	.01	30	43
23-41-0044	2308249	505970	1-65	5	305	12,510	5.10	638	11	9,224	4.90	452	3-72		44	831	-.06	32	51
23-43-0011	2310470	533769	9-63	3	305	13,350	4.40	587	25	9,843	4.48	441	1-71		42	601	-.10	17	32
23-43-0017	2450884	537680	9-66	2	305	12,020	4.99	600	33	10,255	4.73	485	8-71		40	435	.04	24	33
23-43-0022	2290878	533769	1-65	3	305	15,837	4.34	687	16	10,407	5.03	523	10-71		42	829	-.17	20	42
23-43-0022	2449652	553667	5-67	2	305	15,165	4.30	652	7	10,055	4.84	487	5-71		40	678	-.03	28	44
23-43-0022	2454008	568446	1-67	3	305	14,296	5.04	720	19	10,763	4.92	530	8-71		33	626	.07	36	48
23-43-0022	2511565	564770	10-68	1	305	15,640	4.97	777	14	11,330	4.92	558	11-71		23	468	.03	25	35
23-43-0224	2442100	553667	9-67	3	305	12,640	4.69	593	19	10,303	4.57	471	10-71		42	426	.04	24	33
23-46-0126	2350136	565358	3-66	4	305	13,065	4.76	622	12	9,957	4.66	464	5-71		37	515	.06	30	40
23-46-0132	2333678	563583	7-65	5	261	16,406	4.57	749	24	12,408	4.64	576	8-71		43	420	.04	24	32
23-46-0404	2334652	529773	1-65	4	305	14,150	4.37	619	12	9,418	4.84	456	6-71		43	642	-.01	29	43
23-46-0512	2381808	544991	2-65	4	305	14,980	4.40	659	19	10,298	4.84	498	8-71		43	578	-.05	21	35
23-46-0512	2450620	553667	12-67	2	303	13,705	5.31	728	19	9,930	5.10	506	11-71		40	541	.09	34	44
23-46-0512	2518081	552896	11-68	1	305	11,710	4.58	536	28	10,520	5.00	526	10-71		35	507	-.04	19	31
23-46-0512	2518088	552896	12-68	1	305	11,930	4.64	554	23	10,300	5.04	519	8-71		35	539	-.05	20	33
23-48-0057	2350860	565176	8-65	4	305	15,493	4.72	732	22	11,503	4.60	529	1-72		34	598	.03	31	44
23-48-0057	2509763	558237	5-69	2	302	15,600	4.38	683	14	11,960	4.42	529	3-72		39	637	-.12	17	33
23-48-0057	2509765	558237	3-69	2	304	16,810	4.38	737	19	11,925	4.44	530	3-72		39	765	-.12	22	41
23-49-0038	2306155	529773	8-64	4	305	15,155	4.32	654	17	9,968	4.76	474	2-71		43	706	-.01	31	47
23-49-6003	2473947	571553	12-68	1	305	14,640	4.43	648	19	9,420	4.82	454	5-71		26	554	-.04	21	34
23-49-6003	2528019	552896	6-69	1	305	12,900	4.84	625	20	9,550	4.74	453	5-71		35	664	-.01	30	45
23-50-0031	2387785	537301	12-66	4	305	15,035	4.28	644	8	11,870	4.47	530	4-72		42	451	.01	22	32
23-54-0105	2294847	505970	12-64	1	305	12,950	4.14	536	15	10,580	4.49	475	11-71		35	656	-.15	14	31
23-54-0105	2359782	505970	10-65	3	305	12,800	4.07	521	8	10,343	4.69	485	3-72		42	719	-.19	13	32
23-61-0040	2192963	475595	9-62	5	304	11,984	4.55	545	82	8,768	4.46	391	2-71		44	681	.02	34	49
23-61-0040	2242727	561500	10-63	5	304	11,508	5.09	586	68	9,134	4.58	418	8-71		36	461	.09	31	39
23-61-0040	2337871	563116	12-65	4	300	12,950	4.83	625	65	10,052	4.34	436	10-71		35	393	.09	27	34
23-61-0040	2356835	549235	9-65	3	305	15,663	4.67	732	65	9,260	4.49	416	9-71		42	960	-.07	37	59
23-61-0040	2438856	561627	8-67	3	303	14,796	4.28	634	80	8,903	4.35	387	10-71		33	961	-.05	39	61
23-61-0040	2441530	556020	7-67	2	305	14,205	4.19	595	71	8,930	4.20	375	2-71		40	569	-.01	25	38
23-61-0040	2469395	553667	6-68	2	302	12,195	4.21	513	77	8,785	4.20	369	5-71		40	493	.01	24	35
23-61-0040	2499565	562098	2-69	1	303	15,410	4.20	647	78	9,560	4.15	397	5-71		26	746	-.05	29	46
23-61-0040	2518871	553667	6-69	1	305	13,570	4.32	586	67	9,690	4.43	429	11-71		36	456	.02	23	33
23-63-0002	2257443	550919	9-63	6	298	13,673	4.62	632	32	10,465	4.72	494	9-71		43	493	-.03	20	31
23-63-0002	2291938	550919	9-64	5	291	16,526	4.18	690	34	11,172	4.69	524	2-72		43	785	-.11	24	43
23-63-0002	2426291	533769	9-67	3	305	14,263	4.31	615	24	10,310	4.65	479	7-71		42	658	-.12	17	34
23-63-0010	2305471	560835	10-64	5	305	15,952	4.54	725	16	11,824	4.78	565	2-72		44	620	-.04	24	35
23-63-0010	2395464	544991	12-65	4	303	16,963	4.16	706	25	11,028	4.79	528	7-71		43	743	-.10	23	41
23-63-0010	2403139	556020	1-67	2	305	13,435	5.14	691	28	10,220	4.87	498	8-71		40	372	.07	24	31
23-63-0010	2436374	565330	3-66	3	305	14,250	4.44	632	26	10,137	4.81	488	12-71		29	588	-.06	21	35
23-63-0010	2496584	546331	11-68	1	305	12,600	5.03	634	29	9,840	4.63	456	6-71		36	376	.06	24	31
23-63-0010	2525550	553667	11-69	1	284	13,220	4.75	628	14	9,770	4.68	457	1-72		36	424	.04	24	33
23-63-0107	2253967	554184	3-64	4	305	15,802	4.82	762	22	12,452	4.66	580	10-71		38	554	.04	30	41
23-63-0107	2269657	537680	8-64	5	305	18,340	4.55	834	22	12,060	4.78	577	6-71		44	1,081	-.03	47	71
23-63-0107	2330626	544991	6-65	4	305	17,553	4.99	876	24	12,953	4.64	601	4-71		43	600	.08	36	48
23-63-0107	2434674	571890	9-67	3	305	16,726	4.32	722	21	13,256	4.65	617	12-71		32	584	-.09	17	32
23-63-0107	2471044	553667	7-68	2	305	15,190	4.58	695	26	13,000	4.52	587	1-72		40	412	.04	23	31
23-63-0107	2471045	553667	7-68	1	305	16,210	4.77	773	24	12,700	4.54	577	9-71		36	451	.06	27	36
23-63-0107	2471049	553667	7-68	2	305	16,555	4.45	737	27	13,110	4.55	596	1-72		40	540	.01	26	38
23-63-0107	2483564	571890	9-68	1	305	18,960	4.14	784	18	13,000	4.59	597	11-71		24	642	-.11	18	34
23-65-0028	2299208	559121	9-64	5	301	14,876	4.07	606	12	10,308	4.71	485	4-71		34	748	-.12	21	40
23-65-0209	2237615	557190	11-63	5	305	13,532	4.71	638	11	10,810	4.55	492	3-72		35	496	.01	24	35
23-66-0083	2325664	505970	2-65	5	304	13,532	4.02	544	14	9,252	4.79	443	8-71		44	961	-.21	21	46
23-66-0083	2325666	505970	3-65	5	300	11,262	4.37	492	20	9,504	4.69	446	2-72		44	635	-.14	14	31
23-66-0083	2430333	505970	7-67	3	305	13,607	4.36	593	20	9,740	4.67	455	11-71		42	876	-.15	24	46
23-67-0075	2252317	475548	3-64	6	304	16,167	4.03	652	28	11,477	4.83	554	7-71		44	746	-.11	23	41
23-67-0075	2499884	553667	8-69	1	305	13,960	5.13	716	39	10,810	4.70	508	11-71		36	410	.08	27	35
23-67-0162	2377212	524656	6-66	4	305	16,005	4.56	730	23	12,375	4.81	595	7-71		40	488	.00	22	33
23-67-0162	2410217	564864	6-67	3	305	16,477	4.51	743	30	12,447	4.80	598	1-72		41	467	.00	21	31
23-67-0162	2423108	564864	12-67	3	305	17,627	4.97	876	18	13,037	4.77	622	3-72		41	540	.09	34	44
23-67-0162	2443462	564864	2-68	2	290	16,920	4.74	802	24	12,615	4.80	606	6-71		39	438	.04	24	33
23-67-0162	2461960	560240	7-68	2	283	15,640	5.27	825	26	12,630	4.70	594	11-71		30	533	.10	35	45
23-67-0162	2505554	560240	8-69	1	305	16,990	4.48	762	22	11,990	4.78	573	9-71		25	619	-.04	24	38
23-67-0190	2017398	528099	5-60	8	305	15,554	4.56	710	29	11,853	4.69	556	3-71		36	610	-.01	27	41
23-67-0190	2135254	548560	11-61	6	305	13,878	4.52	627	53	10,582	4.66	493	4-71		35	568	-.02	24	37
23-67-0190	2192657	554161	9-62	6	303	14,280	4.80	685	39	11,023	4.57	504	8-71		35	495	.06	29	39
23-67-0190	2442537	553667	1-68	2	305	13,645	4.38	598	41	10,010	4.52	452	8-71		40	528	.01	25	36
23-67-0190	2471494	553667	4-68	2	305	13,160	4.45	586	39	10,020	4.52	453	6-71		40	478	.02	24	34
23-67-0294	1770582	471454	8-56	9	302	12,193	4.46	544	30	9,332	4.73	441	2-71		36	543	-.05	20	33
23-67-0294	2429115	569442	4-67	2	303	15,785	5.35	844	24	10,540	4.85	511	2-72		25	670	.11	43	56
31-02-9500	2398813	570379	10-66	2	305	14,165	4.01	568	27	9,165	4.84	444	4-71		29	690	-.12	19	36
31-03-0048	2316740	561540	11-64	5	305	12,222	4.42	540	26	8,958	4.73	424	9-71		35	543	-.06	19	32
31-03-0048	2319075	525641	12-64	5	305	13,854	4.74	657	32	9,924	4.56	453	8-71		39	535	.03	28	39
31-03-0048	2443580	533769	9-67	2	305	15,140	4.67	707	35	9,725	4.69	456	9-71		40	753	-.08	26	44
31-03-0048	2515289	553667	8-69	1	305	13,720	5.06	694	38	9,900	4.61	456	12-71		36	453	.08	29	36
31-06-0049	2179329	550570	11-62	6	305	14,743	4.93	727	7	10,103	4.73	478	4-71		36	822	.03	41	59
31-06-0058	2444394	570379	11-67	2	305	12,550	5.08	637	11	9,410	4.68	440	3-72		29	471	.06	28	37
31-06-0084	2388571	537680	12-66	4	304	13,695	4.29	588	13	10,435	4.51	471	2-72		43	649	-.04	26	41
31-06-0084	2388574	548281	11-66	3	305	13,963	4.52	631	13	10,577	4.53	479	1-72		41	460	.00	21	31
31-06-0084	2388576	537680	11-66	4	300	13,417	4.41	592	14	10,460	4.50	471	1-72		43	612	-.01	27	41
31-06-0084	2439788	561468	4-67	3	305	14,163	3.96	561	14	9,200	4.52	416	7-71		41	816	-.22	14	36
31-06-0084	2519409	571506	9-69	1	305	15,460	4.33	670	18	11,580	4.54	526	12-71		32	551	-.05	20	33
31-06-0875	2436303	553667	11-67	2	305	11,765	5.25	618	14	9,580	4.70	450	12-70		40	377	.10	28	34

TABLE 2. GUERNSEY USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C O	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
31-10-0063	2353772	539742	9-65	4	305	15,150	4.15	628	15	11,763	4.74	557	6-71		43	629	-.06	23	$ 38
31-10-0063	2377621	556020	1-66	4	305	15,430	4.73	730	7	12,178	4.57	557	6-71		43	472	.04	26	36
31-10-0063	2457783	573374	2-68	3	304	14,717	4.94	727	13	12,203	4.64	566	3-72		29	390	.07	25	32
31-11-9150	2121998	550973	10-61	5	305	16,094	4.70	757	12	9,814	4.74	465	10-71		36	910	.02	44	64
31-11-9150	2429998	550942	7-66	1	305	14,630	4.75	695	10	10,310	4.74	489	3-71		35	494	-.01	22	33
31-14-0600	2389344	537680	6-66	4	305	13,460	4.32	581	13	9,612	4.44	427	9-71		43	712	-.02	31	47
31-14-9020	1887300	509063	7-58	8	303	12,980	4.63	601	14	10,368	4.53	470	12-71		35	442	.03	23	32
31-14-9020	2271591	530735	8-64	5	305	14,050	4.52	635	18	10,588	4.55	482	3-72		35	547	-.01	24	36
31-14-9020	2380607	571001	12-66	3	304	13,630	4.37	595	24	10,030	4.48	449	3-71		32	520	-.02	22	34
31-15-9832	2363486	569009	4-66	2	257	15,335	4.68	717	9	11,275	4.97	560	11-70	B	30	622	-.04	24	39
31-17-9008	2205067	550942	2-63	7	305	14,041	4.79	672	5	10,863	4.85	527	1-72		44	570	-.01	25	36
31-17-9008	2333991	556020	7-65	4	297	14,063	4.63	651	6	10,663	4.76	508	2-71		43	471	.00	22	32
31-19-0066	2443189	537680	1-68	3	297	16,993	4.68	796	10	11,433	4.51	516	3-72		42	908	.04	46	65
31-19-0073	2406890	537680	11-66	4	299	12,297	4.79	589	17	10,550	4.38	462	3-72		43	462	.06	28	37
31-19-0073	2482863	566440	9-68	1	305	17,780	3.66	651	20	11,140	4.43	493	12-70		24	663	-.14	16	33
31-19-0075	2389092	537680	11-66	2	292	14,615	4.28	626	9	11,245	4.62	519	1-71		40	608	-.04	24	36
31-19-0076	2475479	537680	7-68	1	305	11,550	4.23	488	9	8,790	4.35	382	8-70		35	468	-.01	21	31
31-19-0442	2484113	537680	2-69	1	305	12,190	4.86	592	20	9,110	4.64	423	1-72		35	494	.03	26	36
31-19-9816	2004913	537401	11-59	9	305	12,450	5.45	679	17	9,434	4.80	453	7-71		41	369	.17	35	40
31-19-9816	2358270	537401	11-65	4	305	12,590	5.42	683	19	9,537	4.94	471	10-71		40	357	.16	33	38
31-22-9004	2228511	557944	9-63	4	305	13,242	4.30	569	14	9,800	4.47	438	12-71		36	619	-.04	24	36
31-22-9004	2291545	557944	2-65	3	305	12,883	4.53	583	21	9,793	4.38	429	12-71		34	545	.01	26	38
31-22-9004	2291545	557944	2-65	2	305	13,035	4.44	579	19	9,205	4.43	408	3-71		32	581	-.01	26	39
31-22-9004	2417739	553667	6-67	3	305	13,203	4.35	574	19	10,103	4.42	447	11-71		42	511	.01	25	36
31-22-9004	2500149	575598	7-69	1	305	15,760	3.91	616	27	9,940	4.38	435	2-72		19	552	-.08	17	31
31-23-9003	2422882	564363	10-67	2	305	15,270	3.94	601	16	10,955	4.39	481	2-71		29	559	-.08	17	31
31-23-9081	2313645	532448	3-65	4	295	13,808	4.34	599	17	9,850	4.59	452	9-71		35	540	-.05	20	31
31-23-9081	2343960	556020	9-65	3	300	12,357	4.63	572	19	9,033	4.48	405	6-71		42	416	.04	23	31
31-23-9081	2457491	553667	2-68	2	305	12,960	4.48	581	16	9,080	4.48	407	11-71		40	544	.03	28	39
31-26-9007	2238269	554508	11-63	5	305	13,650	4.49	613	14	9,902	4.77	472	4-71		37	587	-.01	26	39
31-26-9007	2440889	568622	9-67	2	303	12,970	4.60	597	17	9,050	4.74	429	6-71		29	552	-.05	20	33
31-26-9007	2485084	574319	1-69	1	305	16,080	4.40	708	14	9,670	4.76	460	1-71		26	568	-.02	25	35
31-28-0026	2168111	550942	8-62	8	304	12,011	5.35	642	19	9,658	4.76	460	1-72		44	447	.08	29	37
31-28-0026	2248110	550942	2-64	6	303	13,027	4.77	622	14	10,017	4.75	476	2-72		44	537	-.01	24	36
31-31-9001	2272823	533769	8-64	5	305	14,954	4.91	734	68	10,130	4.97	503	8-71		44	815	-.06	31	5.
31-31-9001	2324845	566308	8-65	4	305	14,560	4.82	702	66	10,030	4.90	491	6-71		34	777	-.02	34	51
31-31-9001	2337246	539419	8-65	4	298	13,557	5.05	684	69	9,962	4.87	485	6-71		43	563	-.01	25	36
31-31-9001	2396775	539742	1-67	1	152	13,960	5.77	806	42	11,970	4.80	574	11-71	B	35	374	.15	33	38
31-31-9001	2426447	539742	3-67	2	302	13,630	5.38	733	43	11,955	4.66	557	3-72		40	387	.15	33	34
31-31-9001	2439133	566308	2-68	2	305	14,555	4.27	622	53	10,380	4.91	510	9-71		29	633	-.10	18	34
31-31-9001	2467637	566308	11-68	1	305	18,930	3.84	727	52	11,810	4.74	560	4-71		24	795	-.15	20	4
31-31-9001	2475503	566308	11-68	1	305	15,810	4.79	757	52	11,810	4.74	560	4-71		24	516	-.02	22	34
31-31-9001	2483421	539742	3-69	1	55	15,490	4.35	674	66	11,440	4.70	538	5-71	B	35	526	.02	26	37
31-31-9001	2483443	539742	1-69	1	305	13,410	5.35	718	62	10,790	4.78	516	7-71		35	413	.11	30	37
31-33-0009	2338291	536994	3-65	4	305	14,033	4.65	652	14	10,120	4.91	497	1-72		42	570	-.08	22	32
31-33-0009	2514992	552896	2-69	1	305	11,770	4.40	518	19	8,990	4.55	409	7-71		35	617	-.03	25	39
31-38-0020	2333715	549235	3-65	4	300	16,690	3.93	656	8	12,053	4.94	595	12-71		44	824	-.26	10	33
31-38-0034	2143938	459489	4-62	5	305	12,540	4.64	582	23	9,384	4.56	428	4-71		44	486	.03	26	35
31-38-0034	2508697	577701	8-69	1	305	15,810	4.48	708	16	10,600	4.58	485	1-72		19	501	-.01	22	33
31-38-0114	2302329	524759	2-65	4	305	14,415	4.61	664	16	10,078	4.60	464	1-71		43	452	.06	27	35
31-38-0280	2321264	562511	12-64	4	305	13,342	4.07	543	21	10,365	4.63	480	2-72		35	578	-.15	15	33
31-38-0280	2339230	546331	11-65	4	305	12,505	4.76	595	19	9,558	4.59	439	9-71		44	510	.04	28	38
31-38-0280	2351346	556020	1-66	3	303	15,167	4.55	690	23	10,500	4.62	485	10-71		42	590	.01	28	41
31-38-0280	2424462	553667	3-67	3	305	13,466	4.97	669	23	10,680	4.54	485	11-71		42	482	.09	32	4.
31-38-0280	2478635	562021	10-68	2	305	15,940	4.58	730	23	11,590	4.62	536	3-72		40	482	.02	24	34
31-38-0700	2325225	564325	4-65	5	304	14,236	4.52	644	31	11,138	4.63	516	1-72		35	482	-.02	20	31
31-38-0700	2396311	533769	10-66	2	305	16,055	4.38	704	32	11,235	4.67	525	5-71		40	708	-.12	20	35
31-38-0700	2440121	556020	11-67	2	305	15,740	4.87	766	28	11,360	4.67	531	7-71		40	502	.05	28	36
31-38-9210	2391799	475548	8-66	4	304	14,103	4.98	702	5	12,143	4.81	584	11-71		43	388	.08	26	33
31-38-9210	2451350	539742	1-68	2	305	15,895	5.21	828	9	11,805	4.99	589	4-71		40	632	.09	39	51
31-39-9120	2371990	556020	4-66	3	305	15,823	4.34	686	16	12,587	4.29	540	7-71		42	447	.01	22	32
31-39-9320	2364807	533769	12-65	4	305	15,550	3.92	610	14	10,550	4.33	457	6-71		44	819	-.16	20	41
31-42-0015	2320467	529773	1-65	4	305	13,170	4.89	644	20	10,333	4.82	498	1-71		43	418	.07	27	35
31-42-0032	2244235	550942	3-63	6	305	11,910	4.59	547	8	8,990	4.68	421	7-71		44	512	-.02	21	33
31-42-0032	2480572	571506	11-68	2	305	13,000	5.00	650	8	10,430	4.77	497	2-72		36	494	.02	25	35
31-42-9031	2284703	525463	5-64	6	305	15,798	4.51	712	21	12,362	4.61	570	3-72		43	449	.06	27	39
31-42-9031	2284705	525463	7-64	5	305	16,298	4.36	710	23	11,878	4.63	550	12-71		43	574	.02	29	41
31-42-9031	2323640	562943	2-65	5	305	14,584	4.69	684	21	11,634	4.60	535	1-72		36	479	.03	25	35
31-42-9031	2404372	537680	11-66	3	305	13,760	4.29	590	22	11,290	4.36	492	3-72		42	546	-.01	24	36
31-42-9031	2418535	562683	2-67	3	305	15,376	5.34	821	11	12,036	4.87	586	8-71		36	583	.17	45	55
31-42-9031	2462994	570421	7-68	1	305	20,250	4.31	873	19	12,900	4.57	590	3-71		23	698	-.03	29	45
31-42-9031	2466528	546331	9-68	1	305	20,020	4.36	872	16	12,820	4.63	594	4-71		36	729	-.01	32	45
31-42-9325	2282893	560156	8-64	5	305	14,452	4.95	716	23	10,608	4.67	495	11-71		36	512	.09	33	43
31-42-9325	2446579	553667	1-68	2	305	12,865	4.76	612	11	10,720	4.49	481	7-71		40	384	.06	24	31
31-42-9777	2075537	533774	2-61	7	305	15,643	4.54	710	12	11,604	4.91	570	10-71		44	643	-.14	15	32
31-42-9777	2285789	475595	8-64	5	305	14,012	4.67	654	15	11,468	4.79	549	5-71		44	628	.01	30	44
31-42-9777	2293034	562511	11-64	4	305	13,997	4.39	614	18	9,367	4.76	446	6-71		35	901	-.11	30	52
31-42-9777	2389272	540259	7-66	3	305	14,473	4.54	657	22	11,020	4.68	516	10-70		41	505	-.03	20	32
31-42-9777	2389274	539742	9-66	4	303	15,273	4.50	688	18	12,038	4.80	578	2-72		43	614	.00	28	42
31-42-9777	2404160	539742	11-66	4	304	13,985	5.07	709	21	11,795	4.82	569	12-71		43	480	.09	32	41
31-42-9777	2436961	566122	7-67	2	305	15,860	4.46	708	16	12,000	4.79	575	3-72		31	660	-.09	21	37
31-45-9072	1872530	495848	11-57	7	304	14,033	4.90	688	19	10,406	4.80	499	5-71		39	554	.04	30	41
31-45-9072	2109650	550516	11-61	7	302	13,343	4.85	647	9	10,874	4.70	511	4-71		34	429	.05	25	33
31-45-9072	2329033	546331	8-65	4	259	14,130	4.79	677	19	11,645	4.77	556	3-72		44	479	.03	25	35
31-45-9072	2449930	571153	2-68	1	305	13,100	4.92	644	7	9,920	4.92	488	11-70		24	432	.03	23	32

TABLE 2. GUERNSEY USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C O	REPT (%)	.......C O W MILK (LB)	I N D E X....... FAT (%)	FAT (LB)	DOL-LARS
31-46-0005	2432141	553667	12-67	1	299	14,440	4.50	650	13	11,780	4.14	488	9-70		36	381	.06	24	$ 31
31-46-0005	2459131	553667	7-68	1	305	15,790	4.38	691	13	11,780	4.14	488	9-70		36	481	.05	27	37
31-46-0009	2444412	553667	4-68	2	305	13,970	4.22	589	13	9,415	4.65	438	7-71		40	515	-.02	26	4[illegible]
31-46-0143	2503124	553667	4-69	1	305	13,960	4.91	685	22	10,210	5.06	517	11-71		36	450	.03	24	33
31-46-0143	2503127	553667	5-69	1	305	12,890	5.39	695	26	10,340	5.04	521	10-71		36	362	.08	25	31
31-46-0143	2503129	553667	6-69	1	305	15,880	4.49	713	22	10,210	5.06	517	11-71		36	593	-.01	26	39
31-46-0143	2503130	553667	4-69	1	305	14,550	5.05	735	22	10,210	5.06	517	11-71		36	494	.05	28	38
31-47-0643	2187760	553075	12-62	7	305	11,254	4.89	550	10	8,687	4.82	419	11-71		34	464	.03	25	35
31-49-0019	2284511	561468	10-64	4	305	14,487	4.69	679	24	10,195	4.93	503	8-71		42	779	-.15	20	40
31-49-0019	2415194	537680	3-67	3	305	15,253	4.48	683	28	10,623	5.00	531	3-72		42	790	-.05	31	49
31-49-0019	2441669	566117	12-67	1	305	14,290	4.91	701	27	10,000	4.98	498	9-70		25	477	.01	23	33
31-49-0019	2458698	537680	3-68	2	305	16,525	4.76	787	28	10,795	4.99	539	12-71		40	845	-.01	38	57
31-49-0019	2467170	572991	12-67	2	299	16,555	4.41	730	14	11,095	4.92	546	3-72		25	704	-.07	25	42
31-49-0019	2499180	566117	3-69	1	305	14,140	5.09	720	13	10,520	4.94	520	6-71		25	423	.03	23	32
31-49-0056	2357541	555249	8-65	5	301	16,284	4.79	780	17	11,330	4.98	564	1-72		36	759	-.02	33	5[illegible]
31-49-0056	2486267	572627	12-68	2	305	18,050	4.64	837	19	12,310	5.08	625	3-72		30	752	-.03	31	48
31-49-0078	2488025	537680	12-67	2	305	13,130	5.04	662	8	10,150	4.98	505	3-71		40	558	.03	29	41
31-49-9018	2289234	475548	11-64	5	304	14,022	4.99	700	26	12,154	4.97	604	5-71		44	387	.06	24	31
31-49-9018	2359023	558495	9-65	3	305	16,443	5.07	833	14	10,576	4.94	522	9-71		33	895	.05	47	66
31-49-9018	2360192	558495	6-65	4	305	13,535	5.28	715	14	11,175	4.95	553	7-71		35	456	.08	29	38
31-52-0006	2532561	564220	3-68	2	285	12,180	5.07	618	6	9,135	4.69	428	4-72		29	379	.06	24	31
31-53-0025	2402603	533769	10-66	2	305	12,135	4.41	535	16	7,740	5.01	388	12-71		40	630	-.13	15	31
31-53-0025	2427345	562683	7-67	3	305	13,126	5.19	681	15	9,473	4.95	469	2-72		36	590	.12	40	51
31-53-0025	2516913	562683	9-69	1	296	12,170	5.14	626	14	7,480	4.95	370	10-71		28	516	.11	35	44
31-53-9005	2479645	571506	12-68	1	305	16,700	4.51	753	17	12,800	4.71	603	9-70		32	562	-.05	21	34
31-54-0106	2351136	533769	8-65	4	305	12,383	5.01	621	11	10,063	4.64	467	2-72		44	482	-.02	20	3[illegible]
31-54-0260	2434918	557505	10-67	3	302	13,643	5.04	688	16	11,190	4.86	544	10-71		32	388	.06	24	3[illegible]
31-54-0260	2456275	570965	1-68	2	298	15,140	4.50	682	25	11,230	4.73	531	11-71		29	505	-.03	20	3[illegible]
31-54-0260	2491701	567404	2-69	1	305	17,480	4.28	748	20	10,930	4.72	516	10-71		25	666	-.06	24	4[illegible]
31-54-9012	2317594	561468	5-65	5	303	15,670	4.04	633	11	10,344	4.90	507	9-71		43	941	-.26	15	41
31-54-9030	2363531	555024	12-65	3	305	14,260	4.39	626	10	9,663	4.76	460	4-71		38	641	-.04	25	4[illegible]
31-54-9038	2485684	552896	3-68	2	305	13,685	5.10	698	16	10,365	4.90	508	7-71		39	733	.02	36	52
31-54-9270	1977264	475548	7-59	5	305	13,270	4.61	612	16	10,548	4.67	493	3-71		44	477	.03	25	3[illegible]
31-54-9270	2228513	557944	10-63	6	305	13,230	5.11	676	17	10,605	4.66	494	12-71		37	528	.08	33	43
31-54-9270	2285420	558740	11-64	6	303	14,141	5.18	732	11	11,080	5.06	561	12-71		41	554	.09	35	4[illegible]
31-54-9270	2308522	528754	1-65	4	305	11,708	4.97	582	15	10,573	4.65	492	7-71		43	467	.14	36	44
31-54-9270	2383253	475548	11-65	4	305	13,088	4.71	616	18	10,125	4.67	473	7-71		43	487	.05	28	36
31-54-9270	2405098	553667	3-67	3	303	14,060	4.55	640	18	11,726	4.71	552	9-71		42	442	.01	21	3[illegible]
31-54-9270	2479721	553667	11-68	1	305	15,740	4.99	785	18	11,640	4.55	530	3-71		36	487	.03	31	4[illegible]
31-57-0010	2406489	537680	12-66	3	305	13,630	4.31	588	18	10,610	4.51	478	8-71		42	602	-.03	25	39
31-57-0010	2412719	537680	12-66	3	298	13,656	4.49	613	17	10,850	4.37	474	3-71		42	580	.02	29	41
31-57-0010	2480705	557482	9-68	1	305	16,320	4.09	667	19	11,260	4.29	483	3-71		35	577	-.09	17	31
31-57-0045	2413534	562683	4-67	2	305	12,835	5.41	694	12	11,345	4.73	537	4-71		33	316	.17	32	36
31-57-0045	2451073	569288	5-68	2	305	17,045	4.54	773	14	11,760	4.33	509	3-72		36	800	.02	39	56
31-57-0045	2498435	553667	4-69	1	305	15,050	4.93	742	21	12,280	4.42	543	11-71		36	392	.09	27	34
31-57-0045	2527006	553667	7-69	1	305	15,730	4.37	687	21	12,280	4.42	543	11-71		36	443	.02	23	32
31-67-0034	2300916	511435	1-64	5	301	14,230	4.73	673	13	10,004	4.70	470	3-71		43	605	-.01	27	4[illegible]
31-67-0034	2452798	537680	8-67	3	296	12,823	4.94	633	11	11,286	4.78	540	1-72		42	438	.04	24	3[illegible]
31-67-0034	2452799	537680	8-67	3	300	12,416	5.01	622	9	11,303	4.73	535	3-72		42	388	.05	23	3[illegible]
31-67-0855	2390885	537680	11-66	4	295	13,345	5.07	677	16	10,725	4.76	511	12-71		43	573	.06	33	44
31-67-0855	2402192	570096	11-66	4	301	14,378	4.36	627	17	10,303	4.62	476	8-71		30	624	-.04	24	39
31-70-0014	2495889	547583	11-68	2	305	15,300	4.73	724	9	10,605	4.70	498	4-72		39	468	.09	31	4[illegible]
31-70-0014	2495892	573519	11-68	2	305	15,050	4.90	737	13	11,220	4.72	530	2-72		31	466	.05	27	36
31-70-9013	2279697	529773	11-64	1	305	16,070	4.72	759	9	10,470	4.81	504	5-71		35	495	.06	29	39
31-70-9015	2018658	535275	4-60	6	305	13,566	4.70	637	16	9,861	4.89	482	4-71		39	503	.00	23	3[illegible]
31-70-9015	2179442	507009	11-62	5	305	12,872	4.87	627	13	9,814	4.95	486	4-71		40	495	-.01	22	33
31-70-9015	2440036	568898	1-67	2	305	13,990	5.38	752	16	10,240	5.00	512	4-71		29	554	.08	34	45
31-70-9015	2440039	568898	4-67	3	305	14,573	4.40	641	11	9,933	4.99	496	9-71		32	725	-.08	25	42
31-70-9015	2440043	568898	11-67	2	305	13,695	4.65	637	11	10,335	4.76	492	6-71		29	568	-.01	22	33
31-70-9015	2440048	568898	12-67	2	305	13,500	5.00	675	13	10,265	4.90	503	5-71		29	492	.03	26	36
31-70-9015	2509187	568898	11-69	1	305	14,680	4.93	723	9	10,820	4.81	520	2-72		23	462	.03	24	34
31-72-0014	2291552	549235	8-64	6	294	13,853	4.00	554	11	9,525	4.62	440	11-71		44	776	-.19	15	36
31-72-0015	2416047	553667	3-67	2	305	14,425	4.23	610	25	10,120	4.82	488	3-71		40	597	-.04	23	37
31-72-0100	2353774	539742	8-65	4	301	12,888	4.45	573	10	10,405	4.84	504	7-71	H	43	500	-.01	22	33
31-72-0100	2377622	539742	1-66	4	305	13,300	4.83	642	14	10,588	4.93	522	10-71		43	530	.04	29	4[illegible]
31-74-0042	2229416	557949	10-63	4	305	15,750	4.31	679	10	11,235	4.57	513	5-71		37	702	-.04	28	44
31-74-0042	2277159	557949	6-64	4	305	14,390	4.44	639	10	10,867	4.60	500	7-71		37	561	-.02	24	37
31-74-0042	2418661	569518	4-67	2	305	16,410	4.26	699	7	11,600	4.49	521	2-71		28	574	-.05	21	35
31-74-0042	2449739	553667	11-67	2	305	15,705	4.47	702	15	11,070	4.58	507	6-71		40	640	.01	31	45
31-74-0050	2387485	564864	12-66	2	305	15,880	4.11	652	16	9,730	4.60	448	2-71		39	599	-.04	23	37
31-74-0050	2416127	547319	4-63	3	305	13,186	4.40	580	13	9,756	4.65	454	9-70		38	543	-.05	20	33
31-74-0064	2309348	549235	10-64	5	305	15,032	3.92	589	8	10,384	4.60	478	11-71		44	828	-.21	15	37
31-74-0064	2325067	539742	4-65	4	305	12,818	4.59	588	8	10,168	4.68	476	10-71		43	518	.03	27	33
31-74-0315	2355502	539742	7-65	4	301	12,315	4.94	608	11	10,553	4.79	505	6-71		43	412	.08	27	35
31-74-0315	2400467	540888	10-66	3	305	14,417	4.73	682	9	10,610	4.83	512	6-71		41	588	.01	28	41
31-74-9028	2509510	553667	4-69	1	305	13,180	4.29	566	17	8,660	4.63	401	9-71		36	496	.00	23	34
31-76-0117	2302096	558434	1-65	3	305	14,180	5.13	727	20	11,253	4.84	545	10-71		36	337	.13	29	34
31-76-0117	2335014	539742	7-65	2	305	12,765	4.88	623	14	11,135	4.65	518	3-71		40	374	.07	25	32
31-76-0117	2435036	564864	9-67	2	305	15,585	4.90	764	18	11,335	4.87	552	9-71		39	419	.05	25	33
31-76-0117	2448440	539742	2-68	2	304	15,035	4.75	714	17	11,835	4.75	562	11-71		40	541	.05	30	41
31-76-0117	2448449	539742	2-68	2	305	13,630	5.02	684	20	11,405	4.88	557	12-71		40	437	.08	28	36
31-76-0117	2449693	566122	9-66	2	305	15,865	4.53	718	34	11,645	4.83	563	9-71		31	698	-.08	24	41
31-78-0016	2388921	539742	7-66	4	304	11,370	4.56	518	14	9,513	4.51	429	8-71		43	411	.05	24	32
31-78-0016	2492866	571506	11-68	2	305	13,250	4.60	610	11	10,465	4.41	462	3-72		36	517	.00	24	35
31-78-0016	2534022	571506	4-69	2	305	13,960	3.99	557	8	10,455	4.46	466	4-72		36	595	-.09	18	33

TABLE 2. GUERNSEY USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C D	........C O W REPT (%)	I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
31-80-0023	2249790	550942	12-63	6	305	12,755	4.60	587	20	9,868	4.61	455	12-71		44	519	-.02	22	$ 34
31-80-0023	2312460	564247	9-64	5	305	12,602	4.78	603	16	9,938	4.70	467	2-71		32	421	.02	22	31
31-80-9025	2478067	553667	12-68	1	305	15,020	4.39	660	14	11,280	4.60	519	6-71		36	457	.01	22	32
31-81-0023	2461065	537680	9-68	1	305	11,970	4.99	597	7	9,800	4.41	432	4-71		35	431	.05	25	34
31-81-9007	2344215	537680	2-66	4	305	13,200	5.20	686	9	12,012	5.00	601	2-72		43	411	.05	24	32
31-81-9007	2396225	549235	11-66	1	305	16,460	4.67	769	12	11,810	4.78	564	3-71		36	616	-.11	17	33
31-81-9010	2283436	551707	8-64	5	305	13,258	5.02	666	8	9,490	4.98	473	12-71		36	624	.03	32	45
31-81-9010	2511915	575093	9-69	1	305	15,440	4.74	732	10	9,600	4.70	451	4-72		25	479	.03	25	35
31-81-9030	2461066	537680	5-68	1	305	12,390	4.56	565	15	10,030	4.55	456	1-72		35	447	.00	21	31
31-85-0157	2343383	562996	3-65	4	282	13,888	4.81	668	19	11,095	4.96	550	9-71		35	564	.00	26	38
31-85-0157	2343599	566443	12-65	4	304	14,567	5.00	728	24	12,252	5.08	623	1-72		35	514	.01	25	36
31-85-0157	2411181	533769	9-66	3	304	15,310	3.74	572	10	10,653	4.66	496	6-71		42	743	-.23	10	31
31-85-0241	2401229	545867	3-59	1	305	16,920	4.75	803	17	11,740	4.40	517	3-72		19	509	.04	28	38
31-85-0241	2401247	545867	4-63	1	305	16,590	5.04	836	17	11,740	4.40	517	3-72		19	477	.09	31	40
31-85-0241	2530770	557482	1-70	1	297	17,380	4.00	695	19	11,960	4.54	543	3-72		35	610	-.12	15	31
31-85-9141	2277961	550942	5-64	4	301	13,368	4.68	625	77	10,340	4.83	499	10-71		43	528	-.03	21	33
31-85-9141	2290090	549588	11-64	5	305	14,944	4.24	634	78	10,208	4.78	488	5-71		44	685	-.10	21	38
31-85-9141	2371228	550942	4-66	4	305	14,455	4.19	606	70	9,870	4.95	489	12-71		43	716	-.12	20	38
31-85-9141	2405941	569288	1-67	3	305	18,103	4.75	860	43	12,570	4.97	625	6-71		38	916	-.02	40	61
31-85-9141	2437425	553667	1-68	1	305	13,540	5.24	709	91	10,750	4.86	522	12-71		36	383	.08	26	33
31-85-9141	2456458	572629	5-68	2	305	13,890	4.69	652	67	10,175	4.82	490	3-72		29	561	.01	27	39
31-85-9141	2467202	572629	7-68	1	305	15,250	4.68	713	78	10,850	4.83	524	5-71		23	523	.01	25	36
31-85-9141	2467213	572629	6-68	1	305	15,730	5.01	788	78	10,850	4.83	524	5-71		23	567	.06	32	43
31-85-9141	2469346	573071	8-68	1	305	13,260	5.44	722	91	10,980	4.82	529	6-71		22	340	.09	25	31
31-85-9141	2472044	572629	11-68	1	276	13,900	4.96	690	106	10,720	4.87	522	11-71		23	412	.04	23	31
31-85-9141	2475945	553667	2-69	1	305	16,790	5.32	893	93	11,170	4.82	538	6-71		36	597	.10	38	49
31-85-9141	2481099	572629	11-68	1	305	14,220	5.33	758	78	10,850	4.83	524	5-71		23	430	.09	29	37
31-85-9141	2481103	572629	12-68	1	305	13,280	5.85	777	100	10,870	4.89	532	9-71		23	344	.14	30	35
31-85-9141	2481108	573071	12-68	1	305	15,420	4.83	745	104	10,800	4.83	522	7-71		22	552	.02	28	40
31-85-9141	2481110	573071	1-69	1	305	14,120	4.97	702	111	10,700	4.88	522	8-71		22	442	.03	24	33
31-86-9013	2316391	556020	3-65	5	305	13,868	4.68	649	20	11,064	4.59	508	6-71		44	418	.03	22	31
31-86-9013	2372679	533769	5-66	2	305	18,370	4.39	807	15	12,385	4.57	566	3-71		40	838	-.12	26	47
31-86-9013	2406217	537680	2-67	2	305	13,065	4.91	641	24	11,260	4.62	520	9-70		40	449	.04	25	34
31-87-0030	2388082	539742	1-67	2	305	13,165	5.04	664	6	10,375	4.59	476	7-71		40	484	.10	33	42
31-87-0030	2447755	553667	1-68	2	305	15,190	5.29	804	7	11,340	4.73	536	11-71		40	563	.12	39	49
31-88-0012	2425301	539742	10-67	3	303	13,793	5.25	724	10	11,363	5.09	578	12-71		42	488	.09	32	41
32-02-9711	2416965	549235	11-66	2	305	15,820	4.05	641	20	9,920	4.62	458	2-71		40	838	-.18	19	41
32-02-9711	2491663	552896	2-69	2	305	14,140	4.58	647	17	10,645	4.68	498	3-72		39	754	-.03	32	49
32-02-9711	2500847	553667	5-69	1	305	14,790	4.65	687	23	9,760	4.87	475	10-71		36	542	.02	27	39
32-02-9711	2502561	558947	10-69	1	305	14,700	5.00	735	27	9,990	4.93	493	11-71		34	434	.06	26	34
32-06-0322	2374645	533769	8-66	3	305	13,620	4.64	632	26	8,710	4.95	431	4-71		42	749	-.10	24	42
32-06-0322	2435658	572924	1-68	3	289	13,076	4.51	590	13	9,123	4.93	450	4-72		32	626	-.05	23	38
32-06-0322	2435659	572924	1-68	3	287	12,230	4.49	549	21	8,980	4.94	444	2-72		32	528	-.06	18	31
32-06-0322	2465937	572924	3-68	2	305	11,705	4.98	583	12	8,475	4.85	411	5-71		29	475	.02	24	34
32-06-0322	2465939	572924	4-68	2	305	12,275	4.80	589	11	8,475	4.81	408	6-71		29	544	.01	26	38
32-06-0763	2115307	545319	9-61	7	303	14,780	4.78	706	25	10,429	4.76	496	7-71		38	702	.03	36	51
32-06-0763	2414013	565478	3-67	3	305	14,553	4.15	604	18	9,883	4.69	464	1-72		32	617	-.10	18	33
32-06-9762	2258647	527465	4-64	4	305	13,418	4.55	610	25	9,195	4.52	416	1-71		35	645	.00	30	44
32-06-9762	2522316	552896	2-70	1	305	14,340	4.56	654	54	9,620	4.54	437	1-72		35	770	-.01	34	51
32-11-0960	2494246	552896	10-68	1	305	12,530	4.28	536	7	11,010	4.60	506	6-71		35	536	-.04	20	33
32-11-0960	2497078	552896	4-69	1	305	13,290	4.69	623	11	11,760	4.60	541	10-71		35	542	-.01	24	36
32-11-0960	2497082	552896	10-68	2	300	11,765	4.94	581	11	9,930	4.71	468	2-72		39	575	.01	28	40
32-12-0044	2448211	572667	3-68	2	305	12,130	4.43	537	18	8,590	4.67	401	8-71		28	526	-.05	19	32
32-17-0320	2316966	562270	10-64	5	305	14,804	5.03	745	26	10,124	4.93	499	7-71		35	726	.07	41	56
32-17-0320	2487217	552896	6-68	2	305	11,130	4.78	532	24	10,000	5.01	501	9-71		39	503	-.03	20	32
32-17-0320	2491550	552896	3-69	1	305	13,800	4.88	674	29	10,740	4.95	532	2-71		35	651	-.01	29	44
32-17-0320	2491551	552896	2-69	1	305	12,760	5.17	660	22	10,730	5.07	544	9-71		35	572	.01	27	39
32-17-0320	2491552	552896	2-69	1	305	14,280	4.82	689	19	11,440	4.90	560	4-71		35	640	-.01	28	42
32-17-0320	2516038	552896	9-69	1	305	12,220	5.39	659	22	10,730	5.07	544	9-71		35	531	.02	27	38
32-17-0320	2516039	552896	9-69	1	305	13,040	4.51	588	22	10,730	5.07	544	9-71		35	594	-.06	21	35
32-17-0323	2410864	501586	2-67	3	293	14,573	4.45	649	16	11,590	4.58	531	3-71	H	41	614	-.03	25	39
32-17-0323	2473995	552896	12-68	2	305	15,015	4.53	680	32	10,795	4.65	502	11-71		39	831	-.03	35	54
32-17-0323	2473996	552896	12-68	2	305	15,875	5.10	810	15	11,705	4.76	557	4-72		39	835	.04	43	61
32-17-0323	2473998	552896	10-68	2	296	13,345	5.15	687	32	10,655	4.65	495	10-71		39	671	.05	36	50
32-17-0323	2473999	552896	7-68	2	301	11,985	4.76	571	20	10,670	4.58	489	8-71		39	529	.01	25	37
32-17-0323	2474002	552896	8-68	2	305	11,730	4.81	564	10	10,380	4.61	478	6-71		39	530	.01	25	37
32-17-0323	2491661	552896	1-69	2	305	15,080	4.38	660	24	11,035	4.78	528	1-72		39	815	-.06	31	50
32-17-9533	2314864	562270	1-65	6	303	15,773	4.38	691	22	12,538	4.63	580	2-72		35	545	-.03	22	35
32-17-9533	2339402	565285	11-65	5	304	14,288	4.71	673	20	12,086	4.72	571	2-72		36	476	.00	22	32
32-17-9533	2346804	565285	3-66	3	305	17,150	4.53	777	22	12,523	4.57	572	1-71		33	773	-.01	34	51
32-17-9533	2379891	565285	11-66	3	305	14,320	4.53	649	18	11,490	4.91	564	10-71		33	521	-.06	18	31
32-17-9533	2395181	565285	2-67	3	305	15,800	4.34	685	19	12,643	4.56	577	4-71		33	579	-.05	21	35
32-17-9533	2446429	552896	5-68	2	303	13,900	4.81	669	17	12,450	4.59	572	5-71		39	561	.01	27	39
32-17-9533	2461805	574163	10-68	2	305	15,870	4.95	786	19	12,605	4.61	581	3-72		29	356	.12	29	35
32-20-0334	2350855	567825	7-65	4	279	14,068	4.09	576	7	10,200	4.62	471	5-71		30	591	-.11	16	31
32-20-0915	2411789	565239	10-66	4	302	13,990	4.51	631	22	9,980	4.79	478	2-72		30	609	-.04	24	38
32-20-0915	2428473	549588	3-67	4	305	14,575	4.92	717	24	10,283	4.72	485	2-72		43	603	.03	31	44
32-20-9215	2176532	528424	10-62	7	302	13,971	4.29	600	16	10,994	4.76	523	3-71		44	556	-.07	18	32
32-20-9215	2486767	569768	2-69	1	305	15,430	4.26	658	24	10,590	4.77	505	6-71		23	609	-.06	22	36
32-20-9215	2492421	553667	12-68	2	305	14,485	4.59	665	21	11,540	4.66	538	3-72		40	474	.02	24	34
32-20-9218	2412418	539742	11-66	4	305	12,480	5.29	660	23	10,080	4.91	495	1-72		43	485	.11	34	43
32-20-9218	2423197	553667	6-67	2	305	12,210	4.91	600	19	9,245	5.06	468	11-70		40	452	.03	24	33
32-20-9218	2444831	569768	12-67	2	305	14,370	4.45	639	16	8,965	4.81	431	12-71		29	794	-.03	33	51
32-20-9218	2487214	569768	11-68	1	305	13,210	5.34	706	17	9,090	4.87	443	2-71		23	530	.07	32	42
32-20-9218	2503761	569768	2-69	1	305	13,250	4.93	653	9	9,450	4.63	438	4-71		23	504	.05	28	38

TABLE 2. GUERNSEY USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HEROMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVO MO-YR	T C O	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	OOL-LARS
32-20-9218	2537958	569768	9-69	1	304	13,010	4.68	609	15	9,360	4.83	452	1-72	B	23	490	-.01	22	$ 33
32-20-9240	2174362	552292	11-62	6	305	14,592	4.39	640	13	11,040	4.65	513	4-71		36	642	-.06	23	38
32-20-9240	2287097	552292	9-64	4	305	14,033	4.72	662	15	10,900	4.66	508	7-71		35	559	.01	27	39
32-20-9284	2229430	543347	4-63	5	305	13,046	6.39	833	24	10,334	4.73	489	7-71		36	335	.39	56	56
32-20-9284	2283768	533769	12-64	4	305	14,103	4.50	634	21	10,705	4.82	516	8-71		44	623	-.12	16	32
32-20-9321	2181012	550311	4-62	7	305	15,188	5.11	776	14	10,871	4.98	541	5-71		35	780	.07	43	59
32-20-9321	2250730	557659	12-63	5	305	14,672	4.63	679	20	11,528	4.94	570	6-71		32	523	-.05	19	31
32-20-9321	2288683	549588	2-65	4	305	15,438	4.66	719	14	11,810	4.94	583	5-71		43	540	-.05	20	33
32-20-9321	2345023	549588	12-65	4	305	13,415	5.46	733	14	11,228	4.98	559	12-71		43	353	.08	25	31
32-20-9534	2191483	551558	9-62	7	305	14,177	4.80	680	21	11,713	5.13	601	8-71		36	524	-.06	18	31
32-20-9534	2335089	562996	12-64	5	305	15,620	4.96	774	23	12,156	5.12	622	4-71		36	696	.01	33	48
32-20-9534	2356151	539742	11-65	3	293	17,460	4.94	863	17	12,127	5.18	628	12-71		42	836	.04	43	61
32-20-9534	2375616	568005	3-66	4	305	16,020	4.48	718	19	11,648	5.20	606	3-72		30	690	-.11	20	37
32-20-9534	2382379	562996	2-65	5	305	14,344	5.08	728	18	11,370	5.22	593	10-71		36	611	.02	30	43
32-20-9559	2173073	551558	3-62	7	292	13,504	5.01	676	19	11,191	5.09	570	1-71		36	494	-.01	22	33
32-20-9559	2344373	553668	1-63	3	305	13,523	4.96	671	19	10,250	4.96	508	11-71		30	436	.04	24	33
32-20-9559	2392532	562996	8-64	5	290	14,040	5.23	734	23	11,324	5.03	570	8-71		36	571	.07	34	45
32-20-9559	2421122	553667	6-67	2	305	13,220	4.89	647	20	10,665	5.11	545	12-70		40	425	.02	22	31
32-20-9761	2174868	551351	10-62	6	303	15,903	4.46	710	10	11,753	5.02	590	1-72		35	630	-.09	19	35
32-20-9761	2242610	545231	11-63	6	301	12,758	5.24	669	9	10,870	5.00	543	10-71		38	379	.07	25	32
32-20-9773	2186253	475595	9-62	7	305	12,880	4.87	627	12	9,713	5.16	501	4-72		44	686	.00	32	47
32-20-9921	2030501	503781	8-60	6	304	13,910	5.09	708	14	10,698	4.98	533	4-71		42	397	.07	26	33
32-20-9921	2215480	531527	5-63	5	305	16,208	5.73	928	15	10,742	5.04	541	10-71		40	698	.26	60	70
32-20-9921	2282667	560029	9-64	4	305	13,865	4.95	686	6	10,192	5.13	523	6-71		35	595	.01	28	41
32-20-9922	1920083	460803	12-58	6	300	14,647	5.52	808	22	12,457	5.29	659	1-72		42	367	.12	29	35
32-20-9922	1996486	475595	9-59	8	301	13,503	4.95	668	21	12,136	5.37	652	11-71		44	483	-.02	20	31
32-20-9922	2212589	528754	3-63	5	303	16,140	5.79	934	26	12,860	5.26	676	11-71		44	779	.22	60	73
32-20-9922	2244449	475595	12-60	7	304	14,056	5.21	732	19	12,503	5.25	657	12-71		44	512	.04	28	38
32-20-9922	2308820	549588	12-64	5	305	17,012	4.96	843	33	12,718	5.35	681	8-71		44	660	-.04	26	41
32-20-9922	2309086	533769	5-64	4	305	15,630	4.35	680	24	11,283	4.79	540	6-71		44	748	-.14	19	38
32-20-9922	2333023	529773	7-65	4	303	14,375	5.27	757	16	12,093	5.08	614	9-71		43	371	.10	28	34
32-20-9922	2343592	566443	11-65	3	305	17,086	4.95	846	29	12,576	5.28	664	11-70		34	786	-.01	35	53
32-20-9922	2343596	566443	12-65	3	305	15,640	5.03	786	27	12,963	5.30	687	2-71		34	549	.00	25	37
32-20-9922	2360747	528754	11-65	4	292	15,653	5.26	824	22	11,903	5.03	599	1-71		43	809	.15	54	69
32-20-9922	2450572	569039	2-68	2	305	17,575	5.07	891	24	13,385	5.18	694	12-71		32	470	.03	25	35
32-20-9922	2545211	566443	11-69	1	305	18,740	5.08	952	36	14,410	5.18	747	11-71		26	593	.03	30	43
32-20-9922	2547711	537680	11-69	1	305	18,710	4.55	852	30	14,350	5.18	743	12-71		35	631	-.05	24	39
32-20-9926	2223371	537977	9-63	5	305	12,406	4.49	557	14	9,042	4.89	442	6-71		37	539	-.03	22	34
32-20-9926	2223372	537977	10-63	7	304	13,140	4.81	632	15	10,294	4.87	501	3-72		37	481	.03	25	35
32-20-9926	2280463	475548	10-64	3	305	12,993	5.46	709	21	9,970	4.77	476	2-71		42	471	.15	37	45
32-20-9926	2458757	553667	8-68	2	305	16,920	4.96	839	19	10,750	4.81	517	3-72		40	793	.07	44	60
32-20-9926	2463485	553667	7-68	2	220	12,690	4.81	610	20	10,265	4.84	497	11-71	B	40	408	.04	23	31
32-20-9927	2424645	553667	8-67	2	305	15,765	4.36	687	17	11,110	4.83	537	5-71		40	643	-.02	27	42
32-20-9927	2511810	553667	8-69	1	305	13,880	5.40	749	8	11,400	4.71	537	3-72		36	364	.11	28	34
32-20-9961	2013568	499561	1-60	9	305	13,603	5.09	693	13	10,781	4.89	527	9-71		43	428	.11	31	38
32-20-9961	2305527	555391	4-64	5	305	16,268	4.63	753	9	11,194	4.91	550	5-71		38	745	-.02	32	49
32-20-9961	2315166	549235	7-64	2	305	16,510	4.74	783	11	12,430	4.77	593	12-71		40	679	-.10	21	38
32-25-9482	2304503	539742	2-65	5	305	14,464	4.75	687	22	11,694	4.86	568	10-71		44	566	.04	30	42
32-25-9482	2318399	556035	8-62	5	305	16,652	5.25	874	22	11,996	4.81	577	3-71		35	737	.14	49	63
32-25-9482	2318405	556035	1-64	6	305	17,177	5.00	858	15	12,047	4.80	578	10-71		35	809	.08	46	62
32-25-9482	2347306	558740	8-65	3	304	13,640	5.10	696	21	12,360	4.73	585	6-71		39	311	.11	26	31
32-25-9482	2360966	528754	5-66	3	234	12,703	5.21	662	23	11,390	4.67	532	3-71	B	42	495	.17	41	49
32-25-9482	2421254	568055	10-67	3	303	16,340	4.74	775	20	13,723	4.86	667	2-72		34	494	-.03	20	31
32-25-9482	2457165	553667	10-67	3	305	16,783	4.58	768	27	12,253	4.77	585	6-71		42	700	.01	33	48
32-25-9482	2462024	553667	3-68	2	275	15,160	5.07	768	24	13,410	4.85	650	11-71		40	371	.08	25	32
32-25-9482	2495188	575519	7-69	1	305	18,630	4.66	869	18	14,890	4.84	721	2-72		23	554	.00	25	37
32-25-9482	2495959	558740	6-69	1	305	17,410	4.83	841	20	14,730	4.77	703	1-72		32	392	.07	25	32
32-25-9482	2495962	558740	5-69	1	305	20,580	5.99	1232	20	14,730	4.77	703	1-72		32	646	.25	56	65
32-27-0111	2218174	533769	7-63	3	305	14,327	4.39	629	15	11,137	4.53	504	3-71		42	579	-.10	16	31
32-27-0111	2251779	549235	1-64	5	261	15,018	4.35	654	19	10,926	4.64	507	2-72		44	763	-.14	20	4[illegible]
32-27-0111	2414282	572153	9-67	2	305	16,140	5.01	809	13	12,000	4.62	554	5-71		29	864	.09	50	67
32-27-0111	2414283	572153	9-67	2	305	15,070	4.72	712	20	11,295	4.67	528	10-71		29	811	.03	41	58
32-27-0111	2440995	572153	10-67	2	222	18,195	5.11	929	13	12,595	4.72	595	11-71	B	29	1,048	.11	60	81
32-27-0111	2446945	572153	11-67	2	305	16,625	4.66	775	21	11,385	4.66	530	9-71		29	990	.03	49	7[illegible]
32-27-0111	2446947	572153	1-68	2	305	14,565	4.99	727	22	11,560	4.64	536	10-71		29	721	.08	42	56
32-27-0111	2446956	572153	1-68	2	302	16,640	4.72	785	17	11,445	4.58	524	7-71		29	985	.05	51	72
32-27-0111	2486887	572153	1-69	1	305	13,530	4.40	595	13	9,090	4.46	405	6-71		23	760	.01	36	53
32-27-0111	2486889	572153	7-68	1	305	11,100	5.18	575	13	9,110	4.39	400	7-71		23	539	.10	35	45
32-27-0111	2486891	572153	1-69	1	305	14,470	4.64	671	14	9,890	4.58	453	9-71		23	780	.03	39	56
32-27-0111	2486893	572153	8-68	1	305	15,900	4.76	757	9	9,910	4.43	439	4-71		23	908	.06	48	67
32-27-0111	2486894	572153	8-68	1	282	11,990	4.32	518	14	9,160	4.56	418	8-71		23	615	.00	28	42
32-27-0111	2486895	572153	11-68	1	305	11,640	4.79	557	14	9,160	4.56	418	8-71		23	583	.05	32	44
32-27-0111	2486896	572153	10-68	1	293	13,250	4.24	562	13	9,110	4.39	400	7-71		23	733	.00	34	5[illegible]
32-27-0111	2486897	572153	8-68	1	305	13,380	4.64	621	13	9,110	4.39	400	7-71		23	745	.04	39	55
32-27-0111	2486898	572153	2-69	1	294	13,130	4.71	618	13	9,110	4.39	400	7-71		23	722	.05	39	54
32-27-0111	2524674	572153	8-68	1	263	14,670	4.55	667	19	11,960	4.71	563	12-70		23	630	.01	30	44
32-27-0481	2410928	511244	1-67	3	303	13,797	4.41	609	19	10,140	4.70	477	12-71		42	583	-.10	16	31
32-27-0481	2417000	553667	6-67	2	305	13,705	4.42	606	15	9,910	4.75	471	4-71		40	543	.00	25	37
32-27-0481	2521353	574830	9-69	1	305	15,210	5.08	772	5	9,190	4.85	446	4-72		19	564	.05	31	43
32-30-0534	2253783	557836	9-63	6	305	13,168	4.34	571	14	9,865	4.54	448	3-72		35	518	-.04	20	32
32-30-0534	2373197	568798	3-66	4	305	14,133	4.45	629	11	9,645	4.51	435	11-71		30	677	-.02	29	44
32-30-0534	2373203	568714	7-66	3	305	15,197	4.53	689	11	10,537	4.34	457	7-71		29	672	.02	33	47
32-30-0763	2358383	533769	7-66	2	305	15,205	4.51	685	11	10,390	4.51	469	5-71		40	699	-.09	23	4[illegible]
32-32-9534	2074896	544603	2-61	5	305	15,364	4.20	646	63	10,378	4.38	455	10-71		32	796	-.06	30	49
32-32-9534	2337644	558030	11-65	4	301	13,010	4.64	604	61	9,882	4.47	442	10-71		36	426	.05	25	33

TABLE 2. GUERNSEY USDA-OHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C O	REPT (%)	.......C O W MILK (LB)	I N D E X....... FAT (%)	FAT (LB)	DOL-LARS
32-32-9534	2365072	563711	6-66	4	293	13,457	4.94	665	49	10,970	4.46	471	3-72		35	536	.09	34	$ 44
32-32-9534	2369524	533769	4-66	3	295	14,530	4.36	634	58	10,023	4.49	450	10-71		42	718	-.10	22	4[illegible]
32-32-9534	2400913	558030	12-66	2	305	14,945	4.58	685	64	10,355	4.43	459	7-71		32	524	.05	29	4[illegible]
32-32-9534	2451559	563711	1-68	2	305	13,295	4.63	616	63	10,290	4.46	459	6-71		31	484	.04	26	36
32-32-9534	2462657	568619	10-68	1	305	15,050	4.23	637	59	10,730	4.50	483	5-71		25	587	-.05	22	36
32-32-9534	2462672	566949	4-68	1	305	17,890	4.34	776	72	9,410	4.54	427	9-70		26	879	-.04	36	56
32-32-9534	2488375	568619	11-68	1	305	15,660	4.39	687	51	10,750	4.49	483	4-71		25	639	-.03	26	41
32-32-9534	2493813	568619	11-68	1	305	16,720	4.98	832	59	10,730	4.50	483	5-71		25	734	.05	39	54
32-32-9534	2519800	566949	10-69	1	302	15,360	4.75	730	46	11,150	4.50	502	2-72		26	525	.02	26	37
32-32-9534	2565552	568619	4-69	1	305	14,120	5.13	724	56	10,390	4.52	470	10-71		25	532	.06	31	42
32-33-9041	2335760	563720	5-65	4	305	13,930	4.77	665	22	10,785	4.66	503	9-71		30	490	.02	25	35
32-33-9041	2351485	549235	1-66	4	305	15,648	4.68	732	25	11,403	4.73	539	11-71		44	768	-.09	26	45
32-33-9041	2389993	569078	7-66	2	305	16,185	4.79	776	30	12,230	4.65	569	2-71		25	529	.03	28	39
32-33-9041	2457155	562979	7-66	2	305	15,360	4.77	733	30	12,010	4.70	565	3-71		31	438	.02	22	31
32-33-9041	2457158	533769	2-66	3	305	15,927	4.36	695	21	12,247	4.69	574	1-72		42	649	-.13	16	33
32-34-C102	2402193	550772	10-66	3	305	14,790	4.66	689	10	10,206	4.68	478	4-71		40	617	-.06	22	37
32-34-C104	2343406	564726	8-65	4	305	15,108	4.73	714	16	10,640	4.85	516	11-71		34	702	-.01	31	47
32-34-0104	2381419	564726	9-66	4	305	15,053	4.51	679	16	11,048	4.85	536	12-71		34	641	-.05	24	39
32-34-0651	2190861	551089	2-63	6	290	13,245	4.78	633	12	9,705	4.78	464	4-71		35	546	.03	28	4[illegible]
32-35-0763	2482847	552896	8-68	2	299	13,680	4.45	609	33	9,465	4.51	427	9-71		39	817	-.02	35	53
32-35-0763	2482852	575682	3-69	2	276	11,900	4.66	555	21	9,100	4.49	409	12-71		31	470	-.01	21	31
32-35-9531	2487045	553667	1-69	1	305	14,030	4.56	640	8	11,160	4.32	482	5-71		36	392	.05	23	31
32-36-0650	2523815	570480	10-69	1	285	14,460	4.45	644	17	10,580	4.63	490	2-72		23	514	-.04	19	31
32-37-0531	2316459	459489	12-64	5	305	13,596	4.86	661	9	10,552	4.69	495	10-71		44	487	.05	28	36
32-38-0044	2213234	496783	4-62	7	300	13,610	4.28	583	10	10,673	4.65	496	6-71		44	484	-.02	20	31
32-38-0283	2158747	539332	3-62	7	305	11,680	5.04	589	10	9,061	4.81	436	11-71		35	394	.08	26	33
32-38-C283	2379189	533769	9-66	4	301	12,633	4.58	578	17	9,175	4.87	447	10-71		44	612	-.11	17	32
32-38-C330	2397340	553667	5-67	2	207	13,610	4.29	584	9	10,615	4.71	500	7-71		40	469	-.02	20	31
32-38-0442	2471714	567855	3-68	2	305	14,185	4.36	618	13	10,130	4.43	449	1-72		29	483	-.01	21	32
32-38-0652	2261180	546396	11-63	5	260	13,264	4.53	601	16	10,932	4.80	525	10-71		40	481	-.02	20	31
32-38-9282	2360387	567348	9-65	5	305	13,916	4.71	656	20	10,898	4.90	534	1-72		32	493	-.02	21	32
32-41-0652	2177671	550942	9-62	7	268	12,264	4.31	529	17	9,173	4.61	423	1-72		44	537	-.06	18	31
32-41-C652	2362584	550942	9-65	5	305	16,064	4.30	691	19	9,678	4.60	445	2-72		44	973	-.07	37	6[illegible]
32-41-0763	2339817	559695	7-65	3	305	12,330	5.08	626	6	9,013	4.95	446	11-70		39	526	-.03	21	33
32-41-C763	2432803	556020	10-67	2	305	15,425	5.06	781	9	10,945	4.76	521	4-71		40	508	.07	31	41
32-43-9531	2152607	539742	11-61	8	302	14,281	4.82	688	15	12,998	4.85	631	6-71		44	389	.05	23	31
32-43-9531	2152613	539742	2-62	7	305	17,236	5.23	901	17	13,096	4.89	640	2-71		44	763	.14	50	64
32-43-9531	2249954	539742	9-63	7	305	14,789	5.00	739	21	13,107	4.93	646	3-72		44	443	.07	28	36
32-43-9531	2249955	539742	9-63	4	305	14,600	5.19	758	9	12,450	4.91	611	4-71		43	484	.10	33	42
32-43-9531	2269037	539742	12-63	4	303	15,090	4.59	693	24	12,985	4.94	642	2-71		43	485	.00	22	33
32-43-9531	2280443	539742	6-64	6	305	14,137	5.01	708	27	12,693	5.01	636	12-71		44	406	.06	25	33
32-43-9531	2293759	539742	11-64	4	305	15,570	4.30	669	23	13,138	4.93	648	4-71		43	527	-.06	18	31
32-43-9531	2293768	562038	2-65	5	301	15,366	5.08	780	26	12,744	5.02	640	11-71		36	439	.04	24	33
32-43-9542	2342757	539742	9-65	5	305	13,758	5.07	697	8	12,652	4.81	609	3-72		44	361	.10	27	33
32-43-9542	2361949	539742	10-65	5	305	14,396	4.83	696	7	12,716	4.80	611	3-72		44	437	.06	26	3[illegible]
32-43-9542	2368595	539742	9-65	4	278	13,315	5.47	728	9	12,173	4.86	591	2-72		43	355	.15	32	37
32-43-9542	2389352	539742	10-66	3	299	15,720	4.51	709	9	12,490	4.80	599	2-72		42	595	.01	28	4[illegible]
32-43-9542	2393815	539742	8-66	3	304	13,260	5.02	666	11	11,497	4.86	559	11-71		42	412	.08	27	3[illegible]
32-43-9542	2406602	539742	1-66	4	269	12,950	5.39	698	7	11,798	4.85	572	8-71		43	351	.13	30	3[illegible]
32-44-0280	2416305	533769	1-67	3	300	15,823	4.16	658	6	11,517	4.89	563	10-71		42	712	-.18	13	32
32-44-0325	2319316	528424	12-64	5	305	13,872	4.87	675	14	10,914	4.93	538	4-71		44	553	.00	26	3[illegible]
32-44-C325	2530289	553667	1-68	2	305	15,320	4.37	669	6	11,360	4.87	553	2-72		40	575	-.03	23	3[illegible]
32-44-C961	2356533	539742	1-66	4	302	11,703	4.98	583	8	9,933	4.78	475	3-72		43	405	.08	27	34
32-47-C480	2474019	558237	10-68	1	301	17,470	3.58	626	21	10,630	4.01	426	10-71		35	783	-.19	15	36
32-47-C480	2507028	558947	7-69	1	305	16,490	4.14	683	8	11,800	4.27	504	3-72		34	447	.00	21	3[illegible]
32-48-C651	2222965	528424	7-63	6	298	12,895	4.63	597	8	9,880	4.83	477	12-71		44	547	-.02	23	3[illegible]
32-48-C651	2502558	558793	10-69	1	295	15,020	4.71	707	6	11,110	4.46	495	11-71		31	457	.04	25	34
32-49-9590	2217269	512974	1-63	5	305	20,754	4.73	982	35	12,770	4.66	595	4-71		44	1,091	-.01	49	73
32-49-9590	2282570	559695	4-64	5	304	16,780	4.00	671	25	12,258	4.74	581	6-71		42	775	-.21	13	34
32-49-9590	2318222	559695	12-64	5	305	15,700	4.54	713	30	12,630	4.73	598	6-71		42	583	-.09	17	32
32-49-9590	2343745	511244	3-65	5	304	16,076	4.96	798	30	13,040	4.69	611	2-71		44	586	.00	27	4[illegible]
32-49-9590	2343762	511244	9-65	4	293	16,905	4.19	709	16	12,555	4.68	588	7-71		43	725	-.15	17	36
32-49-9590	2383451	539742	6-66	3	305	14,190	5.13	728	43	12,650	4.70	595	4-71		42	400	.12	31	33
32-49-9590	2426798	557836	9-66	4	300	15,410	4.80	740	38	12,655	4.70	595	2-72		34	458	.04	25	34
32-49-9590	2426804	539742	9-66	4	305	16,245	4.42	718	37	12,850	4.65	597	3-72		43	644	.00	30	44
32-49-9590	2426826	511244	3-67	3	300	15,643	4.66	729	41	12,740	4.69	598	4-71		42	526	-.06	18	31
32-49-9590	2426835	557836	10-67	2	305	18,465	4.13	763	47	12,615	4.69	592	2-71		29	753	-.10	24	42
32-49-9590	2447671	539742	12-67	3	301	15,620	5.03	785	40	12,807	4.64	594	2-72		42	550	.12	38	48
32-50-0164	2338950	528424	10-65	4	294	12,615	4.83	609	5	10,173	4.80	488	4-71		43	463	.02	23	33
32-50-9161	2258910	546396	10-63	6	305	17,285	4.07	703	8	11,703	4.64	543	3-72		40	944	-.10	32	55
32-50-9161	2305521	555391	12-63	5	304	18,084	4.41	797	9	12,188	4.68	570	5-71		38	878	-.04	36	56
32-50-9161	2454190	555391	12-67	2	305	14,495	4.79	694	9	10,710	4.69	502	7-71		33	437	.04	24	33
32-57-C449	2360159	539742	9-65	4	291	12,573	4.66	586	9	9,605	4.48	430	5-71		43	550	.06	32	43
32-57-0449	2516490	577245	10-69	1	305	13,580	5.46	742	12	10,550	4.46	471	2-72		22	319	.15	30	34
32-57-0652	2486516	576351	7-68	2	305	15,910	4.39	698	5	11,380	4.60	524	11-71		25	590	-.04	23	37
32-57-9241	2286545	549235	7-64	5	305	16,520	4.60	760	8	12,268	4.78	586	3-71		44	801	-.11	25	45
32-57-9241	2384688	533769	11-66	4	305	15,688	4.54	713	9	11,703	4.80	562	2-72		44	708	-.11	21	39
32-57-9482	2223237	527002	11-62	6	303	15,590	4.30	670	11	11,683	4.43	518	3-71		43	502	-.02	21	32
32-57-9482	2431756	553667	7-67	3	305	16,130	4.14	667	5	12,323	4.42	545	1-72		42	618	-.03	25	39
32-57-9482	2437636	556020	12-67	2	305	15,920	4.72	751	8	10,795	4.59	496	10-71		40	572	.03	30	42
32-57-9482	2438328	558740	10-67	2	305	14,320	4.66	668	8	12,530	4.37	548	1-72		36	350	.09	25	31
32-57-9482	2451384	511244	4-68	2	179	17,540	4.29	752	11	13,405	4.42	593	2-72	B	40	617	-.09	19	34
32-57-9901	2186254	555391	10-62	7	304	15,551	4.76	740	19	11,894	4.78	569	1-72		38	551	.02	28	4[illegible]
32-57-9901	2278085	528754	11-64	6	298	14,108	4.70	663	13	12,282	4.76	585	2-72		44	582	.08	35	46
32-57-9901	2307770	528754	3-63	6	304	13,665	4.52	617	12	12,497	4.80	600	2-72		44	499	.05	28	36

TABLE 2. GUERNSEY USDA-OHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C D	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
32-57-9901	2311200	528754	12-64	5	305	13,214	5.58	737	11	10,718	4.52	484	10-71		44	649	.25	57	$ 66
32-57-9901	2312415	528754	7-65	2	305	14,730	4.57	673	18	11,730	4.68	549	8-71		40	661	.08	39	52
32-57-9901	2326803	528754	7-65	5	303	14,922	4.96	740	12	12,044	4.76	573	3-72		44	716	.13	47	60
32-57-9901	2332587	528754	3-65	3	305	14,177	4.97	704	12	13,080	4.85	634	3-72		42	490	.12	35	44
32-57-9901	2339183	528754	9-65	5	264	13,566	4.82	654	8	12,112	4.81	582	4-72		44	531	.10	35	45
32-57-9901	2379374	528754	1-65	4	305	15,263	4.65	709	20	11,153	4.72	526	10-71		43	845	.08	48	65
32-57-9901	2399858	528754	4-67	3	305	13,287	5.13	682	16	12,207	4.75	580	3-72		42	478	.15	38	46
32-57-9901	2399859	528754	4-67	3	305	15,670	5.00	784	9	12,513	4.74	593	4-72		42	723	.15	49	62
32-57-9901	2423492	528754	1-66	4	302	14,145	4.82	682	19	11,188	4.66	521	9-71		43	701	.12	45	58
32-57-9901	2435276	528754	7-67	3	302	14,310	4.98	713	9	12,953	4.78	619	3-72		42	518	.13	38	47
32-57-9901	2461674	572996	6-68	2	303	16,440	4.62	759	18	12,610	4.84	610	12-71		29	487	-.02	20	31
32-57-9901	2463815	528754	11-64	3	305	14,503	5.08	737	19	11,427	4.70	537	9-71		42	701	.16	49	61
32-57-9901	2535263	010016527	3-69	1	305	14,190	4.94	701	36	11,610	4.71	547	8-71		26	526	.02	26	37
32-61-0042	2420002	562021	8-67	1	305	15,810	4.35	687	22	8,880	4.62	410	9-70		35	539	-.01	24	36
32-61-0820	2405339	533769	10-66	3	305	12,850	4.52	581	12	8,940	4.60	411	10-71		42	637	-.09	20	36
32-68-0540	2488499	537680	11-68	1	220	13,290	5.05	671	17	11,190	4.72	528	9-71	B	35	436	.05	25	34
32-68-0540	2506932	546331	10-69	1	305	16,590	4.70	779	14	11,490	4.58	526	1-72		36	562	.04	30	42
32-76-0960	2237948	499561	11-63	6	302	13,785	5.04	695	24	11,822	4.80	567	1-72		43	329	.11	27	32
32-76-0960	2329648	539742	3-65	3	305	14,173	4.85	687	28	11,863	4.79	568	12-71		42	480	.07	29	38
32-76-0960	2350957	539742	1-66	4	302	14,208	4.46	633	27	11,960	4.87	582	11-71		43	490	-.01	21	32
32-76-0960	2442673	553667	9-67	3	302	15,066	4.73	712	21	12,430	4.75	590	1-72		42	485	.03	26	36
32-76-0960	2491613	558237	12-68	2	303	17,700	4.71	833	18	12,705	4.82	613	3-72		39	784	-.10	25	44
32-76-0960	2516545	553667	9-69	1	305	16,530	4.53	749	32	12,890	4.76	614	12-71		36	462	.01	22	32
32-82-9711	2457387	546626	2-68	2	214	15,765	5.04	794	8	12,760	4.66	594	1-72		40	376	.09	27	34
32-85-0909	2405240	566443	11-66	2	305	15,245	4.64	708	5	11,495	4.61	530	11-70		31	622	.02	31	44
32-85-0909	2414015	566443	2-67	2	305	15,385	4.50	692	6	10,140	4.45	451	5-71		31	781	.01	37	54
32-85-0909	2464144	566443	7-68	1	305	15,510	5.16	800	6	8,550	4.61	394	8-71		26	770	.08	44	59
32-89-0327	2487993	573131	10-68	2	297	14,130	4.62	653	13	10,045	4.78	480	12-71		28	590	.01	28	41
32-92-9531	2388562	546626	12-66	3	305	16,600	4.81	799	9	12,027	4.83	581	3-71		42	596	.04	32	44
32-92-9531	2388569	558566	11-66	3	305	17,073	4.52	772	14	11,743	4.91	576	6-71		32	911	-.06	35	56
32-92-9531	2459539	575519	9-68	2	305	14,865	5.15	765	27	11,385	5.02	571	11-71		29	596	.06	34	46
32-92-9531	2480561	575519	2-69	1	305	13,820	5.14	711	18	10,740	5.06	543	12-70		23	457	.04	25	34
32-92-9531	2515172	575202	9-69	1	305	18,580	4.53	842	21	11,850	5.05	598	9-71		19	657	-.05	25	40
32-92-9531	2515175	575202	10-69	1	305	15,250	4.97	758	5	10,960	4.89	536	4-72		19	417	.03	22	31
33-01-0211	2347965	566348	11-65	4	305	12,098	4.81	582	7	8,233	4.65	383	6-71		35	528	.04	29	4[illegible]
33-01-0472	2498542	568984	8-69	1	305	14,100	4.33	610	8	8,580	4.52	388	4-72		19	511	-.02	21	33
33-05-0525	2365353	537680	5-66	1	305	12,980	4.75	617	6	9,920	4.61	457	6-71		35	499	.02	25	36
33-05-0525	2507897	557482	12-69	1	304	16,290	4.68	762	7	10,990	4.91	540	1-72		35	593	-.06	21	35
33-09-0002	2434228	546331	12-67	2	305	14,290	4.48	640	6	9,365	4.86	455	6-71		40	654	-.02	28	43
33-09-0002	2434229	546331	12-67	3	305	13,383	4.24	567	8	9,440	4.72	446	3-72		42	603	-.04	24	38
33-09-0141	2335932	562638	9-65	5	284	14,848	5.02	746	19	11,302	4.87	550	2-72		36	655	.05	36	49
33-09-0141	2421321	511244	11-67	2	305	15,290	4.41	675	22	10,730	4.98	534	5-71		40	634	-.12	16	32
33-09-0141	2481966	575664	10-68	1	305	14,480	5.58	808	19	10,030	4.86	487	6-71		19	423	.11	31	38
33-09-0352	2467869	569288	8-68	2	305	14,360	4.48	643	14	10,910	4.42	482	10-71		36	592	.00	27	40
33-09-0352	2529994	561468	12-68	2	305	18,300	4.07	744	10	11,040	4.66	514	3-72		38	1,015	-.23	21	48
33-11-0718	2526829	571506	2-70	1	305	13,680	5.04	690	12	10,490	4.50	472	3-72		32	487	.03	26	36
33-11-0910	2389699	537680	10-66	1	305	13,970	4.04	565	17	10,570	4.69	496	1-71		35	530	-.05	19	32
33-11-0910	2437344	537680	6-67	3	300	13,580	4.48	608	15	10,346	4.87	504	11-71		42	624	-.04	25	39
33-13-0473	2411615	557482	8-67	3	259	13,303	4.45	592	6	9,626	4.44	427	2-72	A	41	588	-.05	22	36
33-21-0672	2224339	558237	9-63	6	263	16,363	4.35	711	34	11,660	4.70	548	11-71	B	43	862	-.15	23	45
33-21-0672	2269652	533769	7-64	5	258	15,238	4.62	704	19	11,330	4.80	544	5-71	B	44	714	-.10	22	40
33-21-0672	2284755	533769	11-64	3	305	15,973	4.18	667	25	11,663	4.72	550	1-71		42	714	-.17	15	34
33-21-0672	2372665	533769	12-65	3	305	16,437	4.76	783	26	11,600	4.72	547	1-71		42	774	-.06	29	47
33-32-0170	2383176	569922	8-66	3	305	13,740	4.58	629	34	8,177	4.73	387	1-72		29	767	-.01	34	51
33-36-0347	2424489	529773	1-66	3	305	12,867	4.38	563	5	8,303	4.76	395	7-71		42	574	.01	28	40
33-36-0512	2484453	571237	11-68	1	305	16,780	4.06	682	17	10,660	4.29	457	5-71		19	588	-.05	22	36
33-36-0542	2353444	565651	7-65	4	304	13,883	4.21	584	9	9,725	4.42	430	5-71		30	628	-.06	23	38
33-36-0542	2353445	565651	1-66	5	301	13,306	4.72	628	12	9,520	4.46	425	12-71		32	592	.04	32	44
33-36-0846	2465737	558237	7-68	2	305	23,405	4.90	1147	8	12,460	4.73	589	1-72		39	1,398	-.05	59	91
33-36-9143	2414330	549235	2-67	2	247	14,470	4.74	686	18	10,060	4.71	474	1-71	B	40	688	-.09	22	39
33-36-9143	2481672	573746	4-69	1	305	12,870	5.63	725	16	9,410	4.64	437	4-71		19	323	.12	27	32
33-36-9143	2481674	573349	1-69	1	305	18,610	4.16	775	20	10,380	4.60	477	2-71		26	875	-.12	27	49
33-36-9143	2510272	571506	5-69	1	305	14,480	4.61	668	28	10,490	4.56	478	2-72		32	551	-.01	24	36
33-37-0510	2437831	549235	12-67	2	305	15,150	3.82	579	20	9,960	4.42	440	5-71		40	766	-.19	15	36
33-37-0510	2445372	537680	3-68	2	305	12,500	4.34	542	20	9,680	4.43	429	8-71		40	536	-.02	23	35
33-41-0351	2227124	506243	9-63	6	305	12,808	4.68	600	42	10,067	4.96	499	9-71		44	508	-.04	19	31
33-41-0351	2362285	501586	12-65	3	305	16,047	4.34	696	40	10,497	4.96	521	1-71		41	902	-.10	31	53
33-41-0351	2483090	552896	9-68	1	305	13,370	4.45	595	20	11,610	4.94	573	3-71		35	559	-.05	20	33
33-41-0351	2483092	552896	10-68	2	305	12,735	5.32	678	12	10,805	4.89	528	4-72		39	594	.04	32	44
33-41-0351	2483098	552896	7-68	2	305	13,735	4.53	622	58	10,550	4.84	511	10-71		39	721	-.05	28	45
33-41-0370	2460336	010016527	3-67	3	299	13,693	4.42	605	12	9,713	4.64	451	6-71		34	776	-.04	31	49
33-41-0671	2388864	550942	12-65	4	300	12,583	4.72	594	26	8,718	4.67	407	11-71		43	612	-.01	27	41
33-43-0852	2488322	537680	1-69	1	305	12,060	4.79	578	5	8,690	4.58	398	6-71		35	513	.02	26	37
33-44-0171	2216291	563544	6-63	5	305	11,634	4.70	547	12	8,668	4.83	419	9-71		35	478	.00	22	33
33-46-0712	2258840	533769	2-64	6	305	12,950	4.50	583	23	9,243	4.47	413	10-71		44	661	-.08	22	38
33-46-0712	2366300	563251	4-66	4	292	11,987	4.40	527	25	9,350	4.35	407	2-72		35	458	.00	21	31
33-46-0712	2397680	563251	9-66	4	305	13,100	4.67	612	10	10,542	4.29	452	4-72		35	464	.05	27	36
33-46-0712	2414998	563251	7-67	3	302	11,890	4.69	558	18	8,973	4.35	390	4-72		33	468	.04	26	36
33-46-0712	2415001	563251	12-66	2	305	13,805	4.03	557	24	9,655	4.31	416	12-70		30	585	-.06	21	35
33-46-0712	2415127	563251	3-67	3	305	11,566	4.64	537	25	8,970	4.38	393	10-71		33	425	.03	23	32
33-46-0712	2483588	563251	10-68	2	305	13,670	4.24	579	16	9,780	4.30	421	3-72		30	555	-.02	23	36
33-48-0519	2443781	568584	1-68	2	305	12,720	4.77	607	11	8,970	4.66	418	6-71		30	534	.02	27	38
33-48-0519	2443786	568584	2-68	2	305	12,310	4.66	574	9	8,515	4.64	395	7-71		30	534	.01	26	38
33-48-0713	2011178	528086	1-60	8	305	11,113	5.08	565	15	9,066	4.69	425	7-71		35	383	.08	26	33
33-48-0713	2200599	542789	9-62	6	305	12,808	4.82	617	13	9,338	4.75	444	2-72		36	496	.02	25	36

TABLE 2. GUERNSEY USDA-OHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C O	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
33-48-0713	2486579	552896	8-68	2	302	11,505	4.82	554	21	9,335	4.70	439	11-71		39	604	.00	28	$ 41
33-48-0713	2486580	552896	7-68	2	305	14,110	4.47	631	23	9,095	4.67	425	11-71		39	896	-.04	37	57
33-51-9440	2474680	572312	7-68	2	305	13,725	4.46	612	22	10,315	4.63	478	1-72		29	611	-.05	23	37
33-51-9440	2474681	572312	8-68	2	305	16,615	4.08	678	12	10,240	4.54	465	3-72		29	969	-.12	32	56
33-51-9440	2492520	572312	11-68	2	305	15,885	4.49	713	23	10,350	4.67	483	12-71		29	869	-.06	34	54
33-51-9671	2124589	548128	7-61	8	302	13,422	5.94	797	11	11,068	4.80	531	10-71		43	516	.18	43	51
33-51-9671	2333916	550942	4-65	5	300	12,866	5.23	673	9	11,330	4.74	537	8-71		44	362	.07	24	31
33-55-0510	2320229	562312	1-65	4	305	13,848	4.64	642	10	10,260	4.39	450	3-71		30	549	.04	29	[illegible]
33-62-0177	2474268	573624	10-68	2	305	14,925	4.00	597	9	9,930	4.67	464	12-71		25	631	-.11	17	33
33-62-0211	2381591	557482	10-66	3	305	14,106	4.52	638	17	9,213	4.57	421	7-71		41	726	-.05	28	45
33-62-0211	2489680	569288	7-68	2	304	12,155	4.87	592	17	9,400	4.69	441	12-71		36	500	.03	26	36
33-62-0211	2501253	553667	8-69	1	305	14,040	4.69	658	9	9,890	4.60	455	3-72		36	477	.04	26	36
33-62-0211	2509944	553667	10-69	1	305	14,240	5.00	712	9	9,890	4.60	455	3-72		36	492	.07	30	[illegible]
33-62-0474	2253321	556485	4-64	5	304	14,062	4.79	673	25	11,082	4.84	536	8-71		36	513	.00	24	35
33-62-0474	2341820	543853	9-65	4	305	14,538	4.94	718	23	11,590	4.75	550	10-71		43	461	.03	24	34
33-62-0474	2513152	570386	1-68	2	305	13,590	4.26	579	30	9,935	4.85	482	11-71		30	627	-.11	17	33
33-62-0476	2249124	558740	11-63	4	304	13,555	5.28	716	8	10,277	4.90	504	3-71		40	554	.12	38	48
33-62-0519	2326258	551920	12-64	5	303	14,860	4.33	643	24	9,738	4.75	463	8-71		42	688	-.04	27	43
33-62-0519	2384625	557529	9-66	2	305	15,745	4.44	699	25	10,880	4.47	486	2-72		29	604	.00	28	41
33-62-0519	2485679	537680	5-68	2	305	14,170	4.84	686	29	9,305	4.65	433	7-71		40	741	.04	38	54
33-62-0519	2486788	537680	7-68	2	305	12,220	5.19	634	31	10,620	4.58	486	1-72		40	422	.08	28	36
33-62-0519	2487520	552896	10-68	2	305	13,060	4.40	574	29	10,215	4.62	472	10-71		39	683	-.04	27	43
33-62-0519	2512366	552896	2-69	1	305	11,300	4.44	502	43	10,180	4.41	449	3-71		35	499	-.02	21	32
33-62-0519	2512369	537680	4-69	1	305	13,930	3.98	555	36	10,260	4.44	456	5-71		35	548	-.04	21	34
33-62-9241	2367792	546331	4-66	4	305	16,878	4.17	704	40	12,158	4.64	564	3-72		44	761	-.07	28	46
33-62-9241	2415821	537680	7-67	3	305	14,320	4.83	691	44	12,240	4.69	574	2-72		42	512	.03	27	38
33-62-9241	2427437	546331	6-67	2	305	15,890	4.09	650	37	12,165	4.55	554	3-71		40	561	-.06	20	33
33-62-9241	2513724	546626	2-68	2	303	15,850	5.05	800	47	12,065	4.77	575	9-71		40	449	.08	29	37
33-62-9241	2515425	580571	9-69	1	305	16,790	5.01	841	40	13,220	4.58	606	3-72		19	370	.07	24	31
33-77-0141	2481571	550942	9-68	2	305	13,095	4.74	621	24	9,870	4.67	461	1-72		40	463	.00	22	33
33-78-0111	2417064	562018	1-66	2	305	13,995	4.20	588	15	8,450	4.50	380	12-70		29	625	-.05	23	38
33-78-0111	2417076	574861	3-67	3	304	11,150	4.64	517	13	7,926	4.66	369	12-71		32	507	-.01	22	33
33-78-0111	2457309	574861	8-68	2	305	11,075	4.91	544	14	7,680	4.54	349	12-71		29	483	.04	26	36
33-78-0145	2442743	537680	4-67	2	305	12,655	4.52	572	16	9,585	4.54	435	1-71		40	561	.00	26	38
33-78-0145	2460180	537680	6-68	2	305	12,195	5.03	613	16	8,800	4.60	405	10-71		40	586	.06	33	45
33-78-0145	2460181	537680	6-68	2	305	14,095	4.41	621	13	9,845	4.58	451	3-72		40	684	-.02	29	45
33-78-0145	2495488	537680	2-69	1	305	12,390	4.97	616	17	8,850	4.68	414	10-71		35	527	.04	28	39
33-78-0145	2510024	537680	6-69	1	305	12,040	4.75	572	18	9,520	4.66	444	1-72		35	455	.02	23	33
33-79-0346	2425468	537680	10-67	3	300	12,990	4.26	553	27	10,786	4.64	500	11-71		42	509	-.04	19	31
33-79-0346	2470155	570384	7-68	2	305	16,445	4.37	718	24	10,725	4.78	513	12-71		25	733	-.06	27	44
33-79-0346	2477186	537680	9-68	2	304	13,535	4.48	607	24	10,860	4.75	516	12-71		40	534	-.02	22	34
33-85-9710	2370452	533769	7-66	3	305	13,833	4.12	570	19	9,497	4.42	420	6-71		42	692	-.13	18	36
33-85-9710	2462502	570836	11-67	1	305	14,380	4.12	593	30	9,220	4.36	402	6-71		24	500	-.03	20	32
33-85-9710	2504641	553667	10-69	1	305	14,770	4.47	660	20	10,310	4.49	463	3-72		36	504	.03	26	37
33-85-9710	2527437	546331	9-68	2	300	11,365	4.88	555	27	9,040	4.59	415	1-72		40	387	.05	23	31
33-85-9710	2544061	546331	10-68	2	305	13,650	4.83	659	24	9,655	4.52	436	3-72		40	563	.06	32	43
33-86-0217	2450914	568044	3-68	2	305	12,910	4.79	619	22	9,020	4.82	435	9-71		25	480	.01	23	33
33-86-0217	2471984	552896	12-68	1	305	12,410	4.92	611	18	9,060	4.88	442	9-71		35	661	.00	30	45
33-86-0217	2471987	552896	12-68	1	305	13,240	5.16	683	17	10,060	4.81	484	4-71		35	655	.03	33	47
33-86-0217	2485724	552896	2-69	1	305	13,310	4.37	581	19	10,780	4.81	518	3-71		35	611	-.05	23	37
33-95-0470	2367648	549235	1-66	2	305	13,640	4.60	628	8	9,805	4.60	451	4-71		40	627	-.09	19	35
33-98-9613	2423825	562098	5-67	3	304	12,413	4.60	571	9	10,083	4.68	472	2-72		34	522	-.04	20	32
33-98-9613	2423826	562098	6-67	3	305	13,806	3.98	549	12	10,653	4.70	501	11-71		34	638	-.14	14	31
33-98-9613	2448537	562098	8-67	3	303	11,920	5.03	599	7	9,926	4.67	464	4-72		34	475	.03	25	35
33-98-9613	2453050	562098	6-67	3	305	17,623	3.83	675	11	10,873	4.71	512	12-71		34	1,115	-.20	29	58
33-98-9613	2462453	562098	7-68	2	305	12,645	4.57	578	14	10,080	4.54	458	11-71		31	526	-.03	21	33
34-03-0023	2031225	440484	11-60	8	305	15,929	4.51	718	18	11,830	4.83	571	3-71		44	607	-.05	23	37
34-03-0023	2181029	551112	7-62	6	305	17,013	5.03	856	16	11,762	4.76	560	12-71		32	860	.09	49	66
34-03-0023	2275589	528424	8-64	2	305	18,675	5.32	994	17	13,605	4.62	629	3-71		40	720	.12	46	60
34-03-0023	2318179	537680	6-65	4	305	15,580	4.67	727	23	11,487	4.83	555	9-70		43	766	-.01	34	51
34-03-0023	2422091	553667	10-67	2	305	17,055	4.88	832	15	12,960	4.77	618	12-70		40	605	.06	34	46
34-03-0023	2424005	553667	10-67	2	305	15,590	5.41	843	15	12,960	4.77	618	12-70		40	456	.13	35	43
34-03-0023	2429244	553667	10-67	3	240	15,233	4.65	709	15	13,086	4.71	617	12-71	B	42	436	.03	23	32
34-03-0023	2466537	573064	6-68	2	303	16,265	4.41	718	20	12,310	4.73	582	10-71		30	703	-.06	26	43
34-08-0081	2309425	555398	8-64	5	305	15,402	4.24	653	65	12,254	4.70	576	1-71		38	590	-.11	16	31
34-08-0081	2309446	537680	1-65	4	305	14,737	4.70	692	48	12,440	4.62	575	7-71		43	554	.02	28	40
34-08-0081	2337376	539742	4-65	5	302	12,768	5.32	679	56	11,682	4.68	547	1-72		44	346	.15	32	37
34-08-0081	2350594	511244	10-65	4	304	19,758	4.45	880	56	12,998	4.56	593	2-71		43	1,031	-.09	38	62
34-08-0081	2350612	567192	1-66	3	305	16,340	4.50	736	49	12,706	4.60	584	5-71		33	593	.01	28	41
34-08-0081	2350616	549235	2-66	3	305	15,760	4.59	724	56	12,967	4.58	594	1-71		42	587	-.09	17	32
34-08-0081	2374382	539742	10-66	4	305	16,993	4.45	757	63	12,733	4.58	583	3-72		43	750	.01	36	52
34-08-0081	2403780	549235	12-66	3	304	20,570	3.87	797	47	13,300	4.49	597	4-71		42	1,106	-.23	25	54
34-08-0081	2467562	560183	8-68	2	305	16,595	4.43	735	59	12,505	4.62	578	1-72		38	464	.01	22	32
34-08-0081	2488131	537680	1-69	1	305	15,210	4.70	715	70	12,550	4.62	580	12-71		35	489	.01	24	34
34-08-0081	2490639	553667	3-69	1	305	18,120	3.92	711	46	13,090	4.63	606	3-72		36	567	-.06	20	34
34-08-0081	2490640	553667	3-69	1	305	15,710	4.85	762	45	11,820	4.53	535	7-71		36	472	.07	29	38
34-08-0081	2490641	537680	2-69	2	305	16,285	4.29	698	33	13,060	4.45	581	4-72		40	612	-.03	25	39
34-08-0081	2490646	537680	2-69	1	305	15,480	4.61	714	38	13,540	4.39	595	4-71		35	442	.03	23	32
34-11-0051	1945956	475595	11-58	10	305	11,969	5.21	623	12	9,944	4.86	483	11-71		44	540	.09	34	44
34-12-0013	2370287	539742	11-65	4	305	13,505	4.61	622	19	11,373	4.86	553	4-71		43	468	.01	23	33
34-12-0013	2481071	553667	3-69	1	305	15,340	4.88	748	15	12,760	4.67	596	11-71		36	382	.06	24	31
34-12-0013	2485732	552896	3-69	1	305	14,760	4.07	601	14	11,830	4.60	544	7-71		35	650	-.07	22	38
34-13-0057	2304495	528424	9-64	4	305	11,560	4.74	548	11	8,595	4.96	426	10-71		43	509	-.01	22	33
34-19-0016	2389549	564810	6-66	3	305	13,870	4.84	672	20	10,750	4.87	523	10-71		29	455	.01	22	32
34-19-0016	2440354	553667	1-68	2	305	14,210	4.83	687	25	11,405	4.93	562	2-71		40	458	.03	24	34

TABLE 2. GUERNSEY USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C D	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
34-19-0016	2515124	572488	6-69	1	305	14,240	5.79	824	8	11,060	4.78	529	6-71		23	374	.16	34	$ 39
34-19-0100	2402108	539742	5-67	3	300	11,603	4.88	566	33	9,360	4.68	438	6-71		42	443	.07	28	36
34-19-0100	2434481	553667	2-68	2	305	13,720	4.46	612	28	10,345	4.70	486	5-71		40	505	.01	24	35
34-19-0104	2395425	539742	5-66	3	301	14,720	4.59	676	6	11,477	4.92	565	2-71		42	585	.01	28	41
34-19-0104	2395426	539742	11-66	3	298	13,320	4.78	637	7	10,417	4.99	520	9-71		42	533	.03	28	39
34-19-0106	2284943	564050	10-64	5	305	13,110	5.56	729	15	11,304	4.95	560	5-71		32	307	.14	29	33
34-19-0106	2461352	553667	7-68	2	305	13,730	5.04	692	9	10,940	5.13	561	10-71		40	452	.04	25	34
34-23-0180	2242935	551112	6-63	7	305	15,451	4.47	691	16	11,880	4.95	588	2-72		32	596	-.08	19	34
34-23-0180	2310585	539742	6-65	5	305	14,628	4.31	630	15	11,692	4.96	580	7-71		44	588	-.06	21	35
34-23-0180	2310878	561238	11-64	4	302	13,785	4.95	683	10	10,920	4.79	523	1-71		35	412	.04	23	31
34-23-0180	2317673	528424	12-63	4	305	15,313	4.79	733	16	12,755	4.95	632	2-72		43	510	-.01	22	33
34-23-0180	2386025	539742	7-66	4	305	14,628	5.28	773	14	12,693	4.92	624	1-72		43	460	.12	34	42
34-23-0180	2479710	553667	9-68	2	305	15,335	4.73	726	14	12,730	4.89	623	10-71		40	451	.02	23	33
34-29-0032	2385437	539742	1-67	3	305	12,687	5.04	639	26	11,137	4.88	544	4-71		42	383	.08	26	33
34-29-0032	2477323	553667	10-68	2	305	13,675	5.06	692	32	11,475	4.95	568	12-71		40	397	.05	24	32
34-29-0407	2488247	539742	3-69	1	305	12,260	4.76	584	5	9,800	4.52	443	5-71		35	393	.07	25	32
34-30-0018	2473074	553667	10-68	1	291	15,170	4.23	641	5	10,760	4.72	508	6-71		36	503	-.01	22	33
34-34-0038	2336410	537680	4-65	4	305	13,400	4.78	640	35	11,892	4.79	570	9-70		43	449	.01	22	32
34-34-0038	2336411	539742	4-65	5	305	15,956	4.30	686	25	12,248	4.87	597	10-71		44	696	-.05	27	43
34-34-0038	2336420	553667	7-65	3	305	15,566	4.78	744	39	12,306	4.78	588	11-70		42	555	.04	30	41
34-34-0038	2362508	553667	11-65	4	305	14,627	5.15	754	26	13,132	4.80	630	8-71		44	373	.10	28	34
34-34-0038	2390361	537680	11-66	2	286	17,315	4.44	768	31	13,045	4.78	624	2-72	B	40	719	-.04	29	46
34-34-0038	2427164	560029	9-67	2	305	15,955	4.74	756	32	12,660	4.84	613	7-71		31	496	.00	23	34
34-34-0038	2439111	553667	8-67	2	305	16,465	5.00	823	28	13,310	4.76	633	3-71		40	513	.08	32	42
34-34-0038	2450852	568965	1-68	1	305	15,680	5.10	800	30	11,980	4.78	573	9-70		26	360	.08	25	31
34-34-0038	2462023	574026	7-68	1	305	18,510	4.21	779	39	13,210	4.84	639	1-71		24	613	-.08	20	35
34-34-0038	2465633	553667	5-68	2	305	14,515	5.09	739	24	12,340	4.82	595	9-71		40	404	.08	27	34
34-34-0038	2486623	553667	8-68	1	305	15,990	4.68	748	22	12,920	4.79	619	4-71		36	420	.03	22	31
34-34-0038	2486627	574026	10-68	2	302	17,505	4.64	813	32	13,065	4.78	625	1-72		30	670	-.01	30	45
34-34-0038	2508133	573064	7-69	1	302	16,520	4.53	749	36	12,750	4.95	631	9-71	B	24	581	-.05	21	35
34-34-0038	2525805	537680	1-70	1	238	18,630	3.91	729	21	12,710	4.72	600	3-72	B	35	736	-.09	24	42
34-37-0011	2037833	545410	8-60	8	305	13,770	4.40	606	11	9,959	4.96	494	1-72		32	603	-.09	18	33
34-39-0004	2248128	528424	3-63	6	270	12,243	5.49	672	23	9,042	5.16	467	3-72		44	560	.08	34	45
34-39-0004	2291224	528424	10-64	4	291	12,190	5.36	653	32	10,185	5.14	523	1-72		43	409	.05	24	32
34-39-0004	2413642	553667	4-67	2	305	12,575	4.60	579	32	9,480	5.07	481	4-71		40	468	-.01	21	31
34-39-0028	2427956	553667	4-67	2	305	11,415	4.36	498	11	7,400	4.64	343	7-71		40	540	.00	25	37
34-39-0030	2345908	528424	2-66	4	304	14,345	4.95	710	6	10,023	4.81	482	3-72		43	695	.04	36	51
34-39-0042	2077142	546376	11-60	6	305	17,992	4.49	807	22	13,953	4.64	647	12-71		32	703	-.03	29	45
34-39-0042	2203685	475595	3-63	4	305	19,010	3.95	750	21	13,898	4.79	666	2-71		43	966	-.15	28	52
34-39-0042	2230149	528424	8-63	4	305	16,090	5.05	812	17	13,345	4.66	622	1-71		43	540	.08	33	43
34-39-0042	2255320	529773	9-63	5	305	17,674	4.85	858	20	12,496	4.71	588	6-71		44	768	.09	45	60
34-39-0042	2270456	528424	2-64	5	305	15,896	5.27	837	16	12,720	4.72	600	10-71		44	605	.11	40	51
34-39-0042	2335571	533769	7-65	4	305	17,365	4.16	723	15	13,860	4.62	641	11-71		44	676	-.17	13	31
34-39-0042	2340178	553653	10-64	5	294	15,924	4.16	663	74	11,332	4.36	494	1-72		37	854	-.07	32	52
34-39-0042	2353581	549588	1-66	3	305	18,917	4.26	806	23	14,440	4.72	682	8-71		42	640	-.10	19	35
34-39-0042	2371337	528424	8-66	2	305	16,665	4.94	823	14	15,065	4.47	674	2-72		40	381	.07	25	32
34-39-0042	2389486	528424	12-66	2	305	16,620	4.37	726	15	13,420	4.61	619	3-71		40	528	-.04	20	32
34-39-0042	2418203	537680	8-67	1	305	17,600	4.94	869	6	16,410	4.49	737	4-72		35	407	.06	25	33
34-39-0042	2444516	571325	4-68	2	305	18,390	3.99	734	13	13,820	4.59	634	2-72		25	626	-.13	15	31
34-39-0042	2468006	567336	9-66	3	305	18,883	4.38	828	24	14,496	4.69	680	3-71		33	838	-.09	29	49
34-39-0042	2468008	567336	7-67	2	305	16,250	5.05	820	20	14,705	4.59	675	1-71		30	440	.06	27	35
34-39-0042	2476034	546331	4-68	2	244	16,100	5.02	808	12	12,630	4.44	561	10-71		40	540	.11	36	46
34-39-0336	2376480	539742	12-66	2	305	13,115	4.80	629	10	10,665	4.57	487	3-71	B	40	453	.08	29	38
34-41-0001	2276308	475595	8-64	6	305	12,713	5.20	661	51	11,195	4.89	547	12-71		44	491	.08	31	40
34-41-0001	2326687	475595	9-65	4	305	13,765	5.22	719	42	11,775	4.76	561	4-71		43	551	.10	36	46
34-41-0001	2377658	565765	11-66	3	305	18,727	4.72	884	43	11,983	4.74	568	4-71		29	989	.01	47	69
34-41-0001	2377660	567550	11-66	3	305	17,246	4.35	750	32	11,996	4.73	567	3-71		32	850	-.06	33	53
34-41-0001	2397873	567550	3-67	2	305	12,675	5.49	696	60	10,990	4.84	532	9-70		29	327	.12	28	33
34-41-0001	2446609	553667	12-67	2	298	13,740	5.11	702	42	11,950	4.78	571	12-70		40	361	.08	25	31
34-41-0001	2462563	553667	7-68	1	304	16,070	4.91	789	61	11,260	4.88	549	11-71		36	537	.05	30	41
34-41-0001	2465878	505970	11-68	2	305	14,275	4.57	652	46	11,490	4.92	565	2-72		40	743	-.14	19	38
34-41-0001	2479759	568742	5-68	2	305	14,475	5.04	730	45	11,480	4.77	548	5-71		29	379	.07	25	32
34-41-0001	2489780	553667	12-68	1	298	13,550	5.13	695	83	10,790	4.85	523	9-71		36	381	.07	25	32
34-41-0001	2502396	505970	9-69	1	305	13,450	4.19	564	92	10,660	4.88	520	9-71		35	688	-.17	13	32
34-41-0001	2532822	537680	4-70	1	305	13,910	5.12	712	31	11,710	4.98	583	3-72		35	448	.03	24	33
34-41-0014	2374379	569828	10-66	2	305	15,015	4.33	650	9	10,305	4.75	490	3-72		30	579	-.08	18	32
34-49-0027	2414952	568864	5-67	2	305	14,875	4.30	639	16	9,920	4.95	491	5-71		30	698	-.09	23	40
34-49-0027	2414957	568864	4-67	2	305	14,315	4.44	635	15	9,935	4.85	482	12-70		30	629	-.05	24	39
34-49-0076	2422435	569668	7-67	3	305	16,363	4.20	687	16	12,180	4.64	565	12-71		32	662	-.10	20	36
34-49-0076	2437917	553667	11-67	2	305	14,930	4.37	652	34	12,370	4.49	556	6-71		40	443	[illegible]	22	31
34-49-0076	2437922	553667	2-68	1	305	15,360	4.73	727	35	11,560	4.59	531	7-71		36	464	.04	26	35
34-49-0076	2445287	569668	8-67	2	305	16,475	4.75	783	24	13,160	4.55	599	2-71		29	504	.02	25	36
34-49-0076	2489782	553667	1-69	1	305	17,300	4.97	860	29	12,370	4.39	543	4-71		36	554	.09	35	45
34-53-0001	2183520	556872	11-62	4	305	12,528	4.93	618	24	9,660	4.80	464	8-71		30	431	.04	24	33
34-53-0001	2213329	556202	12-62	5	305	12,530	4.80	601	24	9,626	4.88	470	12-71		32	454	.00	21	31
34-53-0001	2315948	528424	8-63	6	304	11,998	4.79	575	22	9,533	4.86	463	4-71		44	471	-.01	21	31
34-53-0001	2378259	539742	5-66	3	302	11,713	4.84	567	27	9,280	4.85	450	8-71		42	465	.05	27	36
34-53-0004	2149942	550956	6-62	6	305	16,481	4.68	771	19	11,385	4.82	549	10-71		35	854	.02	42	60
34-53-0004	2149944	550956	7-62	4	305	12,377	5.39	667	19	10,447	4.83	505	9-70		34	351	.14	31	36
34-53-0004	2207021	550956	9-62	5	304	15,170	5.43	823	17	11,700	4.90	573	10-71		35	614	.18	47	57
34-53-0008	2174164	551423	9-62	7	305	18,237	4.26	776	24	12,823	4.72	605	4-71		34	960	-.12	31	55
34-53-0008	2372528	567964	4-66	4	305	16,528	4.62	764	18	13,030	4.60	600	1-72		30	578	.00	27	40
34-53-0008	2375612	549588	3-66	4	305	17,635	4.33	763	23	13,183	4.60	606	4-72		43	659	-.07	23	39
34-53-0013	2305577	550957	12-64	5	305	12,298	5.45	670	10	9,424	4.92	464	3-72		36	426	.13	33	40
34-57-0029	2411700	553667	4-67	3	304	13,550	4.49	609	15	10,926	4.87	532	7-71		42	466	-.01	20	31

TABLE 2. GUERNSEY USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C O	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
34-57-0029	2414133	553667	7-67	3	305	13,850	4.84	670	13	11,093	4.78	530	2-72		42	483	.05	27	$ 37
34-57-0029	2429469	553667	12-67	3	305	14,043	4.74	665	12	11,840	4.77	565	1-72		42	428	.03	23	32
34-59-0002	2362952	562786	4-66	3	305	14,050	4.90	689	10	10,186	4.82	491	9-70		33	522	.04	28	39
34-62-0021	2135648	533172	4-61	5	302	13,860	5.01	694	14	11,530	4.78	551	8-71		35	421	.07	27	35
34-62-0021	2362947	562786	4-66	4	294	14,130	4.32	611	8	10,002	4.80	480	10-71		35	594	-.07	20	34
34-67-0024	2338126	528424	8-64	5	301	12,286	4.76	585	11	9,424	4.63	436	5-71		44	521	.02	26	37
34-67-0024	2338127	475595	12-64	5	305	13,650	4.67	637	13	9,616	4.66	448	11-71		44	798	.03	40	57
34-67-0024	2438621	553667	8-67	2	305	13,970	4.66	651	14	9,650	4.82	465	1-72		40	594	.02	30	43
34-70-0037	2375967	539742	1-66	3	305	12,530	5.13	643	5	10,000	4.93	493	4-71		42	484	.09	32	41
34-70-0186	2398063	553667	4-67	3	305	16,216	4.90	795	7	11,183	4.69	525	8-71		42	746	.07	42	57
34-70-0186	2472964	553667	7-68	1	305	15,780	4.67	737	12	11,830	4.62	546	11-70		36	477	.04	26	36
34-70-0186	2507429	505970	11-69	1	305	14,560	4.44	646	13	11,700	4.91	575	11-71		35	701	-.16	15	34
34-73-0003	2376521	555398	1-66	4	302	13,402	3.95	530	19	9,320	4.61	430	9-71		37	661	-.13	17	34
34-73-0008	2400437	539742	1-67	3	305	12,237	5.21	637	5	10,400	4.58	476	7-71		42	408	.14	33	39
34-73-0011	2206570	528424	3-63	6	305	11,443	5.03	576	10	9,233	4.81	444	4-71		44	433	.04	24	33
34-73-0062	2227334	558817	8-63	6	302	14,153	5.02	710	26	10,195	4.85	494	11-71		34	652	.06	36	49
34-73-0062	2289618	539742	3-65	3	305	16,387	4.46	731	28	12,863	4.80	617	2-72		42	633	.00	29	43
34-73-0062	2289831	549588	2-65	3	305	14,777	4.64	686	18	11,477	4.54	521	4-71		42	469	.00	22	32
34-73-0062	2322749	528424	2-65	4	288	13,358	4.43	592	10	10,760	4.58	493	5-71		43	490	-.02	20	31
34-73-0062	2451994	566122	10-66	3	305	14,936	4.25	635	33	11,250	4.71	530	2-72		34	679	-.11	19	36
34-73-0062	2479743	572408	11-67	3	305	14,540	4.80	698	24	11,833	4.58	542	1-72		29	412	.05	24	3[illegible]
34-73-0062	2504387	566388	4-69	1	305	15,860	4.35	690	23	11,010	4.45	490	5-71		24	507	-.04	19	31
34-78-0046	2391595	501586	1-67	2	305	14,885	5.07	755	8	10,645	4.79	510	2-71		39	702	.03	36	51
34-80-0008	2444319	528424	1-68	1	305	11,980	4.43	531	11	6,570	4.28	281	6-71		35	560	-.01	25	37
34-80-0015	2251405	555612	12-63	2	305	14,870	4.50	669	7	10,495	4.91	515	8-71		29	546	-.07	18	31
34-80-0015	2324319	555612	10-64	4	305	13,768	4.79	660	10	10,023	4.89	490	11-71		34	557	-.02	24	37
35-03-0051	2162958	543158	6-62	6	303	16,098	4.29	691	18	10,356	4.66	483	9-70		43	994	-.13	32	56
35-03-0072	2169098	554842	7-62	4	264	14,178	4.49	636	13	10,715	4.94	529	1-71	8	33	564	-.07	19	33
35-03-0080	2516634	552896	9-69	1	305	11,400	4.49	512	9	9,590	4.52	433	11-71		35	547	-.02	23	35
35-03-0349	2463725	552896	5-68	2	305	13,920	4.39	611	13	9,130	4.73	432	2-72		39	873	-.06	34	54
35-03-0389	1990404	530309	1-60	8	305	13,333	5.30	707	14	10,700	4.90	524	1-71		36	405	.15	34	4
35-10-0068	2449267	543158	10-67	3	295	13,733	4.09	562	12	9,970	4.47	446	2-72		41	682	-.12	19	36
35-13-0121	2237334	557034	7-63	5	304	12,946	4.31	558	22	9,938	4.69	466	2-72		34	531	-.06	18	31
35-13-0121	2420730	558133	8-67	3	305	12,846	4.74	609	27	9,646	4.73	456	10-71		34	583	.04	31	43
35-13-0121	2472781	572960	10-68	1	305	16,090	4.47	719	22	10,080	4.75	479	6-71		19	572	-.03	23	35
35-13-0121	2472782	558133	7-68	1	305	12,530	5.12	642	25	10,340	4.70	486	5-71		26	380	.08	26	32
35-14-0229	2290841	512974	2-65	5	299	22,582	3.81	860	17	12,406	4.55	564	3-72		44	1,369	-.23	37	72
35-14-0229	2355988	511244	10-65	5	305	16,532	4.03	667	16	12,182	4.56	556	3-72		44	746	-.16	17	37
35-14-0709	2403353	533769	12-66	3	304	14,603	4.36	637	15	11,047	4.54	502	2-71		42	621	-.11	17	33
35-15-0298	2190470	550943	12-62	5	264	12,466	4.83	602	9	9,614	4.84	465	1-72	8	43	359	.07	24	31
35-17-0057	2345919	564309	9-65	2	305	12,450	5.12	637	17	8,570	4.69	402	6-71		29	396	.06	25	32
35-17-0060	2302135	559485	7-64	6	305	15,658	4.65	728	28	10,555	4.77	504	3-72		42	625	.00	29	43
35-17-0060	2394890	557054	8-66	3	305	14,860	4.79	712	29	10,703	4.72	505	4-71		41	550	.02	27	39
35-17-0224	2090286	505384	3-60	9	305	15,759	4.38	690	31	11,249	4.76	536	11-71		44	784	-.14	21	41
35-17-0224	2234800	543158	10-63	6	305	14,358	4.73	679	42	10,956	4.68	513	7-71		43	694	-.05	27	43
35-17-0224	2321343	562534	9-64	5	288	13,232	5.24	694	47	11,192	4.69	525	5-71		32	342	.12	28	33
35-17-0224	2396071	562541	1-67	3	305	14,900	4.52	673	43	11,293	4.57	516	3-71		32	487	.00	22	33
35-18-0076	2439517	552896	12-67	1	305	13,380	4.25	568	17	11,860	4.74	562	1-72		35	542	-.07	18	31
35-20-0041	2415062	550943	10-66	3	305	13,067	5.36	700	16	10,417	4.81	501	12-71		41	303	.16	30	34
35-20-0071	2484931	552896	1-69	1	305	11,330	5.00	567	8	7,970	4.81	383	4-71		35	653	.01	31	45
35-20-0071	2484960	552896	10-68	2	305	12,455	4.71	587	15	9,660	4.60	444	2-72		39	672	.00	31	46
35-20-0071	2506330	552896	10-69	1	305	12,800	4.59	588	14	10,340	4.57	473	12-71		35	602	-.02	26	4[illegible]
35-20-0112	2073025	536571	12-60	8	303	12,331	4.58	565	19	9,530	4.44	423	9-71		38	481	-.01	21	32
35-20-0112	2259462	555041	10-63	4	305	13,613	4.53	617	26	9,393	4.44	417	9-71		30	632	.01	30	44
35-20-0112	2363569	565442	1-65	4	305	17,103	3.80	650	22	9,963	4.45	443	6-71		30	1,085	-.17	31	58
35-22-0035	2178585	551664	10-62	7	303	12,460	5.02	625	10	10,713	4.73	507	10-71		35	402	.04	23	31
35-22-0035	2178585	551664	10-62	5	304	14,530	4.49	652	7	10,086	4.79	483	3-71		35	800	-.05	31	5[illegible]
35-22-0057	2204870	543158	3-62	6	305	13,861	4.17	578	6	10,731	4.76	511	7-71		43	655	-.15	14	31
35-22-0483	2415279	533769	9-66	2	296	13,875	4.40	611	5	9,885	4.65	460	8-71	B	40	610	-.11	16	32
35-24-0033	2494873	552896	4-69	1	305	12,220	4.72	577	5	10,300	4.71	485	6-71		35	561	-.02	24	37
35-27-0032	2359839	566122	1-66	3	305	12,916	4.72	610	24	10,296	4.68	482	3-72		34	525	-.03	21	33
35-27-0032	2462744	558740	7-68	2	305	16,065	4.58	736	21	11,170	4.62	516	10-71		36	669	.04	35	49
35-27-0032	2539727	558740	6-69	1	305	15,030	4.57	687	22	11,150	4.56	508	10-71		32	460	.05	26	35
35-28-0016	2218222	488786	7-63	6	305	14,316	5.04	721	17	9,611	5.06	486	5-71		43	679	.09	41	54
35-28-0016	2486617	553667	8-68	2	305	15,335	4.45	682	23	11,270	4.82	543	3-72		40	585	-.01	26	39
35-28-0030	2503201	553667	5-69	1	305	14,620	4.60	673	26	10,720	4.81	516	9-71		36	465	.02	23	33
35-28-0097	2231415	556832	6-63	6	305	12,438	4.92	612	18	9,980	4.59	458	10-71		34	414	.07	26	34
35-28-0097	2376538	562021	2-66	4	258	13,797	4.79	661	12	11,020	4.36	480	3-72		43	380	.08	26	33
35-28-0103	2102554	455056	7-61	6	305	12,337	5.24	647	21	9,307	5.11	476	12-71		44	393	.07	25	32
35-28-0103	2317612	511244	4-65	5	305	13,710	4.83	662	21	9,878	5.04	498	1-72		44	648	-.06	23	38
35-28-0103	2446815	552896	2-68	2	305	14,510	4.58	664	22	10,480	5.08	532	1-72		39	808	-.06	31	5[illegible]
35-28-0103	2463719	552896	5-68	2	301	14,070	4.27	601	22	10,480	5.08	532	1-72		39	763	-.10	24	43
35-28-0103	2463720	552896	4-68	2	305	12,350	4.25	525	26	10,050	5.03	506	2-72		39	625	-.09	19	33
35-28-0103	2463721	552896	4-68	1	305	14,260	4.40	628	19	9,570	4.96	475	6-71		35	767	-.06	29	47
35-28-0103	2499992	552896	3-69	1	305	12,740	4.77	608	19	9,570	4.96	475	6-71		35	651	-.02	28	43
35-28-0103	2513599	552896	5-69	1	305	12,700	4.83	613	13	10,020	4.96	497	7-71		35	617	-.02	26	4[illegible]
35-28-0122	2264181	558701	8-64	6	305	13,550	5.08	688	20	10,140	4.71	478	1-72		32	543	.06	34	44
35-28-0122	2354520	543158	1-66	4	300	12,272	4.69	575	14	9,682	4.75	460	12-71		42	560	-.05	20	33
35-28-0122	2447410	543158	9-67	2	305	13,350	4.13	551	20	9,795	4.64	454	4-72		39	618	-.13	15	31
35-28-0311	2282053	528754	11-64	4	305	14,605	4.37	638	16	10,295	4.50	463	7-71		43	859	.06	46	64
35-28-0331	2251788	536533	1-60	6	305	13,423	4.86	652	15	10,705	4.70	503	7-71		32	442	.04	25	34
35-28-0407	2320339	501586	1-65	1	305	15,180	4.53	688	21	11,590	4.46	517	10-71		35	560	-.01	25	37
35-29-0020	2464459	570097	4-68	2	305	14,170	5.36	760	11	11,530	4.61	532	5-71		34	449	.13	34	41
35-29-0020	2464454	550014	3-68	2	305	14,015	5.27	738	12	10,905	4.89	533	8-71		39	483	.02	24	34
35-29-0020	2515743	548128	9-69	1	305	14,490	5.13	744	20	11,290	5.00	564	10-71		35	475	.01	23	33

TABLE 2. GUERNSEY USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	TCO	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
35-30-0004	2196943	506243	3-63	7	302	12,269	4.82	591	13	9,903	4.81	476	10-71		44	456	.00	21	$ 31
35-30-0004	2466573	552896	4-68	2	294	11,790	5.11	603	10	9,955	4.80	473	5-71		39	585	.03	30	42
35-30-0004	2466574	552896	9-68	1	305	14,200	4.52	642	6	9,730	4.94	481	5-71		35	751	-.04	30	47
35-30-0054	2044129	521356	2-61	5	305	14,786	4.33	640	21	11,372	4.49	511	3-71		36	531	-.05	19	32
35-30-0054	2154955	548281	4-62	8	305	13,285	4.53	602	21	10,276	4.53	466	1-72		43	453	.00	21	31
35-30-0054	2192893	548532	11-62	6	288	16,481	4.94	814	14	12,976	4.69	609	1-72		39	526	.05	30	41
35-30-0054	2385640	546331	6-65	4	305	14,113	5.22	736	19	12,970	4.61	598	10-71		44	329	.12	28	33
35-30-0054	2484739	553667	11-68	2	201	15,665	4.72	739	11	12,920	4.64	599	4-72		40	467	.04	26	35
35-30-0165	2376106	550942	11-66	2	305	13,135	4.86	639	21	9,350	4.71	440	3-72		40	534	.00	25	37
35-30-0165	2391400	562910	8-65	5	289	12,276	5.01	615	21	9,052	5.20	471	12-71		36	494	-.01	22	33
35-30-0165	2438304	550014	10-67	2	305	14,265	4.49	640	21	9,995	4.65	465	7-71		39	594	-.07	20	34
35-30-0165	2493574	573829	6-69	1	298	13,290	4.79	637	42	9,150	4.92	450	9-71		24	486	.01	23	34
35-32-0001	2064295	418022	5-60	6	305	12,505	5.15	644	9	9,388	4.75	446	3-72		44	545	.08	34	44
35-32-0024	2233022	543158	10-63	7	304	15,890	3.88	616	15	10,567	4.68	495	4-72		43	941	-.20	21	46
35-32-0024	2433757	543158	9-67	1	305	14,870	4.47	664	17	11,130	4.68	521	10-70		35	564	-.08	17	31
35-32-0024	2433758	543158	11-67	3	304	13,196	4.80	633	13	10,546	4.72	498	4-72		41	559	-.04	22	35
35-32-0025	1849324	519311	10-57	5	305	15,132	5.59	846	33	12,656	4.84	612	9-71		36	441	.21	42	48
35-32-0025	2114972	511244	12-61	7	305	16,970	4.99	846	32	13,227	4.73	626	2-72		44	681	.01	32	47
35-32-0025	2197143	496783	6-62	4	305	16,033	4.58	734	30	13,558	4.79	650	6-71		44	447	.00	21	31
35-32-0025	2221622	533769	9-63	5	305	14,504	4.67	678	89	11,340	4.98	565	6-71		44	618	-.11	17	33
35-32-0025	2228950	552591	7-63	6	305	16,257	5.27	856	32	12,992	4.76	618	1-72		42	348	.12	29	34
35-32-0025	2317403	492616	5-65	4	303	16,085	4.72	760	28	13,655	4.88	666	2-71		42	637	-.12	17	33
35-32-0025	2410426	543158	5-67	2	305	17,060	4.48	765	32	12,690	4.83	613	9-71		39	732	-.10	23	41
35-33-0300	2425017	567054	4-67	3	305	13,676	5.02	687	6	10,230	4.82	493	1-72		41	460	.04	25	34
35-37-0018	2310118	552424	5-65	5	295	13,052	5.25	685	19	10,492	4.87	511	10-71		43	389	.09	27	34
35-37-0064	2460205	552896	5-68	2	305	12,360	4.79	592	23	10,530	4.87	513	12-71		39	581	-.02	25	36
35-37-0064	2469004	571432	10-68	2	305	13,940	5.24	730	12	10,670	4.70	501	3-72		29	419	.11	31	38
35-37-0088	2355364	564391	3-66	4	305	13,358	5.24	700	18	10,768	4.70	506	12-71		33	349	.11	27	33
35-42-0039	2216553	558133	6-63	5	299	12,444	5.18	645	13	10,086	4.80	484	4-71		37	507	.10	34	43
35-42-0039	2295424	563299	10-64	5	270	18,368	4.44	816	16	11,416	4.63	528	1-71		36	1,169	-.02	52	78
35-42-0039	2381707	558133	6-66	3	288	12,886	4.46	575	12	10,726	4.64	498	1-72		34	461	.00	21	31
35-42-0039	2401077	558133	10-66	2	305	15,450	4.45	687	15	11,545	4.69	542	5-71		32	643	-.01	29	43
35-42-0039	2437542	553667	7-67	3	303	13,180	5.23	689	18	11,513	4.84	557	2-72		42	363	.10	27	33
35-42-0065	2385976	557676	1-67	3	289	12,363	4.51	558	25	9,467	4.58	434	3-71		33	527	-.01	23	35
35-42-0194	2074946	548706	3-61	5	305	13,406	4.65	623	15	10,380	4.52	469	1-71		32	486	.02	25	35
35-42-0194	2361936	566580	12-65	4	303	14,843	4.13	613	9	11,245	4.53	509	12-71		33	593	-.11	16	31
35-42-0245	2317363	557923	1-65	3	305	16,870	4.29	723	7	12,083	4.55	550	4-71		34	602	-.08	19	34
35-42-0245	2337684	546331	8-65	4	305	15,200	4.45	677	12	12,685	4.71	598	8-71		44	495	-.02	21	32
35-42-0245	2448428	539742	1-68	2	299	15,685	4.58	718	10	11,355	4.83	548	10-71	B	40	651	.02	32	46
35-45-0117	2360229	529773	11-65	4	305	13,325	4.90	653	22	10,735	4.67	501	1-72		43	392	.10	28	35
35-45-0117	2531443	572675	10-67	1	305	15,460	4.56	705	25	11,950	4.50	538	12-71		23	439	.02	22	3[illegible]
35-45-0169	2303690	549235	10-64	2	305	15,070	3.92	590	20	9,895	4.54	449	11-71		40	764	-.19	15	35
35-45-0169	2531470	572675	9-68	1	303	14,250	4.39	625	24	10,010	4.53	453	11-71		23	487	.00	22	33
35-48-0018	2353226	511244	9-65	5	304	14,118	5.14	726	15	12,010	4.76	572	12-71		44	451	.01	22	32
35-49-0013	2379381	501586	5-66	4	305	11,830	4.62	546	9	9,973	4.63	462	8-71		42	475	-.02	20	3[illegible]
35-49-0321	2405769	501586	1-67	1	305	13,090	5.10	667	11	10,010	4.63	463	2-72		35	509	.03	27	35
35-49-0414	2391724	567074	8-66	4	304	14,255	4.50	642	14	10,078	4.83	487	11-71		30	636	-.05	24	35
35-50-0004	2412584	518026	2-67	3	305	13,903	5.27	733	12	11,837	4.69	555	11-71		41	391	.09	27	3[illegible]
35-51-0002	2365240	518026	11-65	5	301	13,524	4.04	546	16	9,542	4.74	452	1-72		43	641	-.12	17	3[illegible]
35-52-0044	2439272	511244	8-67	3	305	16,190	4.71	762	13	10,607	4.86	515	12-71		42	813	-.07	30	4[illegible]
35-52-0044	2445006	543158	8-67	3	302	14,303	5.05	723	14	11,073	4.83	535	11-71		41	633	-.01	28	42
35-53-0011	2430167	543158	1-67	2	296	15,300	4.25	651	15	11,065	4.63	512	12-70		39	701	-.11	20	3[illegible]
35-53-0026	1919173	475595	5-58	4	305	13,220	4.89	646	14	10,950	4.44	486	10-71		43	575	.09	36	47
35-53-0026	2144953	550449	1-62	7	305	13,743	4.55	625	15	10,816	4.47	483	11-71		37	443	.0[illegible]	21	31
35-53-0026	2414026	563331	12-65	4	305	16,485	4.23	697	11	11,418	4.48	511	4-72		35	843	-.1[illegible]	28	49
35-53-0042	2267636	512974	8-64	5	305	14,974	4.52	677	17	10,698	4.59	491	3-72		44	586	-.05	22	36
35-53-0042	2504623	552896	4-69	1	304	14,110	4.42	624	31	11,630	4.74	551	12-71		35	614	-.04	24	38
35-54-0023	2356161	564128	11-65	5	305	12,466	6.12	763	13	9,364	4.84	453	2-72		35	468	.27	50	55
35-55-0010	2288635	529773	4-64	6	305	12,648	5.59	707	21	10,857	4.73	514	3-72		44	304	.19	34	37
35-55-0010	2354258	528754	12-65	4	305	13,463	5.01	674	14	11,970	4.95	592	4-71		43	529	.11	36	46
35-55-0038	2434876	550014	9-67	2	166	14,215	4.49	638	10	10,535	4.51	475	6-71		39	538	-.05	19	32
35-56-0032	2473568	546331	3-68	2	305	12,685	5.16	655	9	10,745	4.60	494	8-71		40	365	.09	25	32
35-56-0144	2215516	555241	2-63	5	305	12,188	4.59	559	15	8,884	4.74	421	3-72		34	522	-.03	21	33
35-56-0144	2356739	528424	1-66	2	305	12,885	4.16	536	14	8,790	4.74	417	2-71		40	572	-.07	19	33
35-57-0013	2216042	554311	7-63	5	305	12,760	5.45	696	16	10,638	4.74	504	2-71		34	439	.13	34	41
35-57-0013	2421309	518026	5-67	2	305	13,625	5.20	709	32	11,040	4.86	537	9-71		39	411	.04	23	31
35-57-0013	2471433	552896	10-68	2	305	12,190	5.73	699	42	10,960	4.82	528	10-71		39	523	.10	35	45
35-57-0013	2491961	543158	1-69	1	305	14,670	5.27	773	20	10,660	4.47	476	5-71		35	581	.02	29	41
35-57-0087	2400747	562320	1-67	3	305	17,213	4.07	700	13	11,523	4.50	519	5-71		34	847	-.14	24	45
35-57-0431	2226500	558634	8-63	5	304	15,134	5.21	788	16	11,810	4.78	565	8-71		42	402	.14	33	39
35-57-0431	2358790	511244	10-65	4	305	15,233	4.94	752	13	12,878	4.77	614	2-72		43	461	-.02	20	31
35-57-0431	2362713	559716	12-65	4	273	18,025	4.25	766	34	13,015	4.68	609	5-71		35	854	-.1[illegible]	28	4[illegible]
35-57-0431	2371794	529641	9-66	2	289	17,935	4.89	877	44	11,465	4.56	523	3-71		34	336	.12	52	5[illegible]
35-57-0431	2386500	511244	7-66	3	269	17,750	4.01	711	31	13,120	4.72	619	5-71		42	731	-.19	13	33
35-57-0431	2421265	511244	7-67	3	300	15,507	3.97	615	36	10,983	4.68	514	1-72		42	594	-.18	13	3[illegible]
35-57-0431	2424543	559716	6-67	3	305	18,080	4.35	787	28	13,863	4.66	646	12-71		33	710	-.07	25	4[illegible]
35-57-0431	2483731	565963	12-67	2	305	18,025	4.37	788	14	14,210	4.68	665	7-71		31	467	-.01	20	31
35-62-0045	2249817	524393	7-63	5	305	13,912	5.20	724	16	10,948	4.74	519	5-71		42	409	.17	37	4[illegible]
35-62-0057	2227642	557676	10-63	6	304	12,295	4.75	584	9	10,448	4.53	473	3-71		36	422	.03	23	3[illegible]
35-62-0068	2326810	562332	12-64	4	305	14,495	4.42	640	15	11,040	4.51	498	10-71		30	541	-.03	22	3[illegible]
35-62-0068	2443142	565116	9-67	2	305	13,555	4.37	593	13	10,485	4.61	483	9-71		29	533	-.04	20	33
35-63-0032	2536140	553620	6-65	2	305	12,905	4.20	542	8	8,700	4.67	406	5-71		31	521	-.05	19	3[illegible]
35-63-0066	2260020	475595	2-63	7	299	14,456	4.77	689	19	11,470	4.60	528	1-72		44	686	.05	37	5[illegible]
35-63-0066	2297443	559485	5-64	5	305	15,400	4.99	768	20	11,214	4.64	520	3-72		42	510	.09	33	43
35-63-0066	2311677	539742	2-65	4	304	13,368	4.78	639	25	11,573	4.62	535	4-71		43	429	.07	27	35

TABLE 2. GUERNSEY USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	REGISTRATION COW NUMBER	REGISTRATION SIRE NUMBER	COW BORN MO-YR	COW'S AVERAGE PRODUCTION RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	HERDMATE AVERAGES NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C O	REPT (%)	COW INDEX MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
35-63-0195	2504547	496783	7-69	1	305	15,250	4.32	659	11	9,470	4.68	443	12-71		36	537	.00	25	$ 37
35-65-0279	2442867	565424	11-67	3	303	14,417	4.79	690	16	10,283	5.01	515	1-72		41	466	.01	22	32
35-65-0434	2304064	560764	10-64	5	273	13,232	5.16	683	30	9,358	4.66	436	8-71	8	37	528	.08	33	43
35-65-0434	2390065	543158	11-66	3	305	12,193	4.53	552	31	9,326	4.65	434	3-72		41	570	-.07	19	33
35-68-0045	2440210	552896	11-67	2	305	11,400	4.69	535	15	10,155	5.01	509	9-71		39	516	-.05	19	31
35-68-0045	2440211	552896	12-67	2	305	12,310	4.83	594	5	10,910	4.89	534	2-72		39	540	-.02	23	35
35-68-0050	2214187	529773	6-63	6	305	12,130	4.66	565	18	9,850	4.31	425	9-71		44	355	.09	26	32
35-68-0054	2106540	553981	7-61	6	300	14,396	4.36	627	32	10,630	4.78	508	2-72		35	550	-.08	17	31
35-68-0054	2407834	549235	12-66	2	305	14,850	4.77	708	28	11,370	4.75	540	1-72		40	607	-.08	19	34
35-68-0067	2430669	547765	10-67	2	305	14,550	4.49	653	7	10,770	4.84	521	3-71		38	452	.02	23	33
35-68-0083	2408475	518026	1-67	3	291	13,183	4.76	628	43	9,803	5.01	491	10-71		41	521	-.03	21	33
35-68-0091	2426615	546331	7-67	3	303	12,027	4.93	593	12	9,907	4.61	457	12-71		42	398	.06	25	33
35-68-0091	2462398	546331	5-68	2	305	12,485	4.70	587	16	9,875	4.72	466	12-71		40	425	.02	22	31
35-68-0120	2328763	555737	2-64	4	305	13,135	5.23	687	8	9,320	4.66	434	10-71		35	589	.13	41	51
35-68-0120	2531642	560248	9-68	2	305	13,600	5.29	719	8	9,930	4.89	486	3-72		38	487	.02	25	35
35-68-0121	2389925	565424	2-67	3	305	14,257	4.80	685	21	10,230	4.77	488	1-72		41	452	.03	24	33
35-68-0128	2423915	562856	5-66	3	303	14,243	3.82	544	5	8,563	4.41	378	5-71		34	780	-.14	21	41
35-68-0128	2423921	553790	12-66	3	305	12,803	4.58	586	5	9,043	4.79	433	10-71		29	522	-.02	22	34
35-68-0137	2189113	532754	1-63	5	305	13,466	4.20	565	14	8,962	4.79	429	3-71		36	605	-.08	19	34
35-68-0141	2028995	538782	3-60	8	300	11,093	4.85	538	11	8,929	4.63	413	8-71		36	389	.08	26	33
35-68-0148	2214829	511244	5-63	6	305	13,813	4.37	604	17	10,473	4.66	488	3-71		44	592	-.11	16	31
35-68-0148	2375897	560248	5-66	4	302	14,245	4.97	708	19	10,525	4.78	503	12-71		41	577	.00	27	40
35-68-0161	2251367	550942	9-63	4	302	14,248	4.44	633	26	7,943	4.52	359	1-72		43	906	-.03	38	59
35-68-0161	2395735	557543	10-66	2	295	13,620	4.72	643	8	9,350	4.49	420	3-72		40	478	.02	24	34
35-68-0161	2419199	546331	9-67	1	305	11,240	4.91	552	8	7,920	4.37	346	7-71		36	403	.06	25	33
35-68-0205	2499649	557737	4-69	1	305	16,430	4.11	676	8	9,870	4.83	477	10-71		31	703	-.12	19	37
35-68-0211	2311936	529773	10-64	3	300	13,577	4.49	610	14	10,547	4.67	493	4-71		42	421	.03	23	32
35-68-0211	2483721	574898	5-68	2	305	15,490	4.80	744	13	11,475	4.95	568	2-72		31	616	-.04	24	38
35-69-0068	2407798	536610	11-66	3	305	13,850	4.35	603	7	8,473	4.83	409	8-71		41	701	-.14	17	35
35-71-0010	2245744	526134	12-63	4	305	14,365	4.85	696	15	10,553	4.80	507	8-71		41	399	.05	24	32
35-71-0010	2351595	566439	12-65	3	305	14,727	4.26	628	16	10,610	4.51	479	1-71		29	595	-.05	22	36
35-71-0037	2106080	539358	11-61	3	303	11,413	4.92	561	20	9,283	4.43	411	4-71		33	336	.12	28	33
35-71-0086	2441891	571409	9-67	2	305	16,595	4.30	713	21	11,740	4.50	528	4-71		29	722	-.04	29	46
35-71-0086	2487378	549335	11-68	1	305	15,640	4.63	724	22	12,090	4.45	538	12-70		34	387	.07	25	32
41-05-0006	2150973	509325	4-62	6	305	12,452	5.07	631	15	9,432	4.81	454	4-71		43	478	.12	35	43
41-07-0052	2450344	546331	12-67	2	305	12,455	4.90	610	11	10,175	4.77	485	4-71		40	394	.05	23	31
41-09-0104	2531391	552896	10-69	1	305	12,550	4.29	538	11	10,880	4.69	510	1-72		35	546	-.05	20	33
41-10-0335	2268255	475595	10-62	4	305	11,993	4.76	571	17	10,308	4.70	484	7-71		43	495	.03	26	36
41-19-9222	2240736	505970	1-64	3	305	14,793	4.33	640	19	11,423	4.91	561	10-71		42	838	-.18	19	41
41-19-9222	2381969	491754	11-66	3	305	13,043	4.88	636	20	10,923	4.88	533	12-71		38	501	-.01	22	33
41-19-9222	2397793	491754	12-66	3	305	13,883	5.03	699	19	11,063	4.91	543	10-71		38	589	.02	29	42
41-19-9222	2438104	543158	1-68	2	305	15,775	3.93	620	11	11,030	4.52	499	6-71		39	754	-.16	18	38
41-19-9222	2454330	543158	2-68	3	301	17,106	3.81	651	10	11,420	4.61	527	3-72		41	924	-.20	21	45
41-19-9222	2461423	543158	8-68	1	305	16,100	4.13	665	9	10,990	4.57	502	5-71		35	668	-.11	19	36
41-19-9222	2499522	543158	1-69	1	305	15,090	4.67	704	9	11,480	4.43	508	3-71		35	557	-.04	21	34
41-19-9222	2499531	546331	8-69	1	305	14,890	5.04	751	22	11,840	4.95	586	10-71		36	412	.05	24	32
41-22-9022	2432121	546331	11-67	2	305	13,090	5.02	657	12	10,870	4.80	522	8-71		40	395	.06	24	32
41-22-9022	2509370	553667	11-69	1	305	15,700	4.89	768	14	12,650	4.80	607	11-71		36	416	.05	24	32
41-23-9001	2373423	541009	3-66	4	298	14,053	4.31	605	13	9,515	4.61	439	2-72		43	518	-.01	23	35
41-23-9001	2456062	543158	10-67	2	305	13,020	4.32	563	13	9,710	4.67	453	11-71		39	592	-.10	17	32
41-24-0041	2339467	501586	11-65	4	300	11,700	4.56	534	11	8,738	4.89	427	12-71		42	599	-.04	23	37
41-24-9009	2403264	549335	10-66	2	305	15,730	4.77	750	15	11,120	4.91	546	11-70		38	584	.05	32	44
41-24-9009	2449125	546331	9-67	2	305	13,750	4.68	643	17	10,750	4.89	526	9-71		40	473	.00	22	32
41-24-9044	2207894	546194	9-62	5	305	12,632	4.43	559	12	7,498	4.83	362	8-71		35	707	-.03	29	45
41-24-9082	2282261	551065	12-64	4	305	12,140	4.98	605	13	9,458	4.67	442	8-71		34	349	.10	26	32
41-31-9002	2337542	505970	8-65	4	305	14,323	4.23	606	19	11,818	4.64	548	9-71		43	754	-.16	17	37
41-31-9002	2355869	518026	1-66	5	302	15,110	4.73	714	18	12,050	4.65	560	3-72		43	552	.01	26	38
41-31-9002	2401967	491754	12-66	3	299	14,226	4.82	685	15	11,983	4.56	546	5-71		38	529	.02	27	38
41-31-9002	2445150	491754	11-67	2	305	15,280	4.72	721	19	12,660	4.64	587	1-71		36	548	.00	25	37
41-31-9002	2445155	543158	1-68	2	301	16,785	4.12	692	20	12,735	4.70	598	3-71		39	699	-.15	16	34
41-33-9054	2171955	555546	8-62	3	305	13,970	4.48	626	10	9,930	4.43	440	6-71		32	684	-.04	27	43
41-33-9054	2446600	563208	9-67	2	305	17,040	3.96	674	9	9,230	4.17	385	9-71		28	1,021	-.07	39	63
41-34-0012	2301345	560897	7-64	5	305	13,438	4.61	619	12	10,070	4.67	470	6-71		33	575	-.01	25	38
41-40-0013	2366664	558311	4-66	3	305	13,163	4.52	595	26	8,943	4.62	413	1-71		32	581	-.03	24	37
41-40-0013	2412928	533769	4-67	2	305	14,055	3.98	559	28	9,580	4.59	440	1-71		40	656	-.16	13	31
41-46-0078	2487157	552896	10-68	2	303	11,445	4.86	556	23	10,290	4.84	498	11-71		39	509	.00	23	34
41-49-0130	2211525	551993	7-61	3	273	12,580	4.84	609	9	9,687	4.38	424	3-71		29	408	.07	26	34
41-60-9027	2394352	533769	9-66	3	305	13,987	4.31	603	11	9,847	4.42	435	5-71		42	674	-.10	20	37
41-64-0070	2515244	575273	10-69	1	305	13,580	4.17	566	25	8,490	4.65	395	11-71		22	557	-.04	21	34
41-64-0119	2518938	562503	11-69	1	305	14,450	4.35	629	20	10,140	4.46	452	10-71		32	464	.02	24	34
41-66-0062	2281915	554845	11-63	6	304	13,390	4.78	640	7	9,887	4.75	470	8-71		36	555	.01	27	39
41-66-0062	2369693	567155	2-66	4	305	12,437	4.84	602	9	10,067	4.69	472	9-71		35	363	.07	24	31
41-69-0069	2311856	564273	10-64	5	305	15,570	3.79	590	19	11,094	4.26	473	6-71		35	683	-.14	17	35
41-69-0069	2507330	546626	2-68	2	305	16,185	3.97	643	27	10,985	4.10	450	3-72		40	582	-.02	25	38
41-69-0069	2525430	572181	7-68	2	305	14,285	3.70	528	23	10,405	4.15	432	5-71		28	592	-.11	16	31
41-72-0025	2349995	539742	11-65	4	305	11,140	5.63	627	17	9,650	4.91	474	10-71		43	367	.15	32	37
41-73-9030	2108171	509325	5-61	5	305	13,706	5.17	709	12	9,722	4.71	458	6-71		43	608	.16	45	55
41-73-9030	2293058	556244	10-64	5	305	13,006	4.88	635	13	10,658	4.73	504	12-71		36	439	.05	25	34
41-73-9030	2483152	546331	9-68	2	305	14,240	4.09	583	11	10,250	4.65	477	12-71		40	569	-.05	21	34
41-74-0132	2256172	509325	12-62	7	302	11,940	4.67	558	6	9,363	4.73	443	10-71		43	418	.07	27	35
41-74-0132	2531841	509325	11-67	2	304	12,600	4.93	621	11	9,860	4.70	463	1-72		39	377	.12	30	36
41-74-0135	2249909	501586	9-63	5	303	12,568	3.80	478	17	9,504	4.67	444	6-71		43	634	-.14	14	31
41-77-0100	2518577	552896	10-69	1	305	13,410	4.52	606	15	10,780	4.68	505	1-72		35	619	-.03	25	39
41-81-0029	2361138	562503	10-65	4	305	14,952	4.76	711	14	11,762	4.76	560	3-71		40	542	.04	29	40
41-85-9003	2319885	550580	2-65	5	305	15,040	4.46	671	16	11,916	4.70	560	1-72		37	518	-.04	20	32

TABLE 2. GUERNSEY USOA-OHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HEROMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C D	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
41-85-9167	2452340	546331	10-67	2	305	13,945	4.04	564	14	9,825	4.75	467	3-71		40	577	-.06	20	$ 34
41-86-0020	2381576	567071	10-66	4	296	13,935	4.38	610	23	10,085	4.77	481	10-71		30	586	-.07	20	34
41-86-0058	2422751	528424	6-67	3	304	14,197	4.85	688	20	10,953	4.70	515	9-71		42	550	.03	28	40
41-86-0122	2363617	546331	10-65	5	298	13,810	4.77	659	25	11,246	4.67	525	11-71		44	496	.04	27	37
42-03-0002	2452025	543158	3-68	2	305	12,755	4.59	586	10	9,935	4.71	468	8-71		39	543	-.07	18	31
42-03-0135	2154117	547517	10-61	8	298	12,741	5.08	647	13	10,953	4.72	517	4-72		35	374	.07	24	31
42-03-0135	2201306	551096	2-63	5	305	14,704	4.86	714	20	10,612	4.77	506	8-71		41	699	.03	35	50
42-07-0034	2390125	567286	10-66	4	303	15,290	4.72	721	20	11,648	5.26	613	1-72		30	579	-.07	19	33
42-08-0054	2457824	552896	7-68	1	303	12,860	4.39	565	36	9,420	4.83	455	11-71		35	670	-.05	26	42
42-08-0054	2486823	552896	11-68	1	237	11,700	5.02	587	24	9,490	4.86	461	2-72	8	35	577	.00	27	40
42-09-0037	2482462	570714	12-68	2	300	14,670	4.87	715	15	10,890	4.80	523	2-72		30	457	.04	25	34
42-10-0006	2284654	533769	11-64	6	305	12,673	4.11	521	11	8,878	4.70	417	12-71		44	668	-.16	14	32
42-10-0006	2412980	567118	12-66	3	305	12,363	4.68	579	10	9,066	4.62	419	1-71		32	477	.01	23	33
42-31-0072	2350704	533769	7-65	4	305	13,203	4.34	573	15	9,135	4.76	435	3-71		44	687	-.14	17	35
42-31-0080	2350638	565871	11-65	5	303	15,498	4.21	652	13	10,868	4.78	519	2-72		35	800	-.12	24	44
42-31-0080	2386852	565871	10-66	3	305	14,230	4.64	660	10	10,870	4.77	519	5-71		32	557	-.03	23	36
42-31-0080	2386853	565871	5-66	3	305	13,873	4.62	641	10	10,590	4.90	519	2-71		32	543	-.04	21	34
42-31-0080	2434980	565871	7-67	3	301	13,153	4.71	619	6	10,077	4.85	489	7-71		32	508	-.02	21	33
42-31-0085	2445390	568099	1-68	2	305	13,680	4.23	579	5	9,825	4.53	445	1-72		32	528	-.06	18	31
42-50-0001	2550609	577561	6-70	1	305	14,310	4.82	690	29	9,620	4.56	439	2-72		19	442	.03	24	33
42-50-0002	2184281	551096	12-62	5	300	13,174	5.03	662	5	11,134	4.89	544	3-71		41	426	.03	23	32
42-50-0002	2475402	548128	12-68	1	305	17,120	4.33	741	15	11,900	4.92	585	1-71		35	634	-.08	21	36
42-50-0077	2448809	550943	12-67	3	305	13,873	5.08	705	5	10,073	4.75	478	3-72		41	434	.12	33	40
42-50-0077	2462059	549335	10-68	2	305	11,945	5.37	642	11	9,605	4.78	459	9-71		38	331	.12	28	33
42-58-0003	2350902	568717	3-65	4	305	14,043	4.72	663	31	10,825	4.70	509	8-71		30	502	.01	24	35
42-58-0003	2370474	558433	2-65	5	305	14,242	4.67	665	28	11,128	4.74	527	1-72		35	536	.00	25	37
42-70-0049	2395412	548128	11-66	4	305	14,017	4.97	697	11	11,402	4.79	546	11-71		42	542	.02	27	39
42-70-0049	2437787	548128	1-68	3	299	14,083	4.78	673	12	11,703	4.79	561	11-71		41	497	-.01	22	33
42-70-0049	2457635	548128	6-68	1	305	14,890	5.51	820	7	11,040	4.95	547	5-71		35	523	.06	30	40
42-70-0049	2460521	574900	3-68	2	305	15,545	4.96	771	13	11,900	4.72	562	1-72		25	485	.05	28	38
42-70-0049	2469699	549335	10-68	2	305	14,520	4.77	693	9	11,520	4.86	560	9-71		38	420	.04	24	32
42-70-0049	2527842	550014	8-68	2	305	15,360	4.93	757	11	12,275	4.75	583	1-72		39	495	-.01	22	33
42-73-0003	2405234	548128	2-67	3	305	12,963	4.64	602	14	10,276	4.89	502	5-71		41	517	-.05	19	31
42-82-0123	2470534	573537	11-68	2	305	13,485	4.65	627	6	9,075	4.91	446	9-71		28	559	-.02	24	37
42-83-0037	2491847	548128	4-68	2	305	16,045	4.51	724	7	11,970	4.70	563	1-72		39	649	-.05	25	4[illegible]
42-85-0017	1761757	482222	8-56	10	304	13,181	4.64	612	24	10,726	4.98	534	10-71		35	523	-.04	20	32
42-85-0017	2299798	549235	8-64	6	305	15,267	4.67	713	28	11,888	5.00	594	2-72		44	684	-.13	18	35
42-85-0017	2354661	541009	8-65	4	305	19,020	4.61	876	29	12,133	5.06	614	3-71		43	843	-.02	37	56
42-85-0017	2431967	546331	7-67	3	299	14,503	4.88	708	28	12,317	5.04	621	11-71		42	434	.02	22	31
42-85-0017	2475821	573730	8-68	2	305	14,400	5.28	760	26	11,040	5.01	553	8-71		28	482	.08	31	40
42-85-0017	2515188	546331	9-69	1	305	16,420	4.66	765	27	12,200	4.97	606	11-71		36	502	.00	23	34
42-86-0030	2423445	571709	8-67	2	305	15,035	4.84	728	19	10,295	4.90	504	1-72		30	498	.07	30	40
42-91-0002	2428996	548128	3-67	3	300	14,663	4.92	721	10	10,020	4.88	489	2-72		41	742	.01	35	51
42-91-0131	2477025	548128	4-68	2	295	11,620	4.85	563	17	8,620	4.80	414	7-71		39	503	.00	23	34
42-92-0002	2412632	567807	1-67	3	305	14,000	5.04	706	8	10,117	4.76	482	12-71		33	569	.06	33	44
42-94-0059	2287372	533454	11-64	4	305	11,193	4.35	487	6	7,873	4.45	350	7-71		41	469	-.02	20	31
42-96-0052	2531177	573655	10-68	2	305	13,415	4.70	631	10	9,870	4.65	459	11-71		25	447	.01	22	32
42-96-0151	2444140	553224	4-68	1	295	14,120	5.23	738	16	9,910	4.94	490	11-71		29	391	.05	23	31
42-98-0015	2460014	553667	12-67	3	305	12,480	4.91	613	11	10,220	4.83	494	2-72		42	416	.05	24	32
43-06-0049	2441815	553667	12-67	3	286	12,843	4.64	596	6	10,140	4.52	458	4-72		42	466	.04	26	35
43-09-0004	2276445	545369	5-64	5	301	12,184	5.18	631	72	10,160	4.52	459	12-71		37	318	.14	29	33
43-09-0004	2276449	545369	5-64	5	305	13,240	4.68	619	64	10,056	4.58	461	11-71		37	486	.04	27	37
43-09-0004	2509072	549235	7-69	1	305	16,310	4.22	688	59	10,410	4.72	491	11-71		36	698	-.15	16	34
43-11-0015	2198120	545435	8-62	5	305	13,518	4.79	648	19	10,628	5.02	534	9-71		34	511	-.02	21	33
43-11-0015	2331370	533769	9-65	4	304	14,395	5.07	730	17	10,610	5.29	561	7-71		44	670	-.07	23	39
43-11-0015	2448098	568750	2-68	1	305	16,190	5.09	824	30	10,970	5.37	589	10-71		19	505	.01	24	35
43-11-0015	2454132	574270	5-68	2	305	14,410	5.16	744	23	11,055	5.28	584	1-72		25	438	.02	22	31
43-14-0009	2200799	550942	9-62	6	303	12,178	4.67	569	14	8,985	4.74	426	10-71		44	547	-.02	23	35
43-14-0009	2336490	539742	6-65	5	295	12,660	4.93	624	14	9,792	4.62	452	1-72		44	554	.10	36	46
43-14-0021	2001432	508728	1-60	8	301	13,616	4.40	599	15	9,975	4.53	452	1-71		37	537	-.03	22	34
43-14-0038	2500785	553667	5-69	1	305	13,030	4.98	649	39	9,260	4.95	458	11-71		36	444	.04	25	34
43-19-0029	2477077	533769	1-69	1	305	16,530	4.26	705	16	10,190	4.35	443	8-71		36	694	-.11	20	37
43-19-0050	2217048	549235	1-63	7	303	20,089	4.15	833	10	12,649	4.70	594	1-72		44	1,217	-.21	33	64
43-19-0050	2412181	541009	1-67	3	305	17,163	4.50	773	10	13,857	4.47	619	8-71		42	389	.05	23	31
43-19-0050	2412182	549235	2-67	4	305	16,630	4.69	780	7	13,990	4.56	638	3-72		44	602	-.06	21	35
43-19-0050	2420144	549235	4-67	2	305	17,810	4.24	756	12	13,420	4.58	614	3-71		40	720	-.15	17	36
43-33-0013	2373924	548765	1-65	5	305	12,340	4.27	527	16	9,020	4.84	437	12-71		36	583	-.09	17	32
43-33-0013	2374251	548765	11-64	4	305	14,290	4.46	638	13	10,103	4.70	475	2-72		35	704	-.05	27	43
43-33-0016	2422421	563984	5-67	3	304	11,873	4.56	542	21	7,867	4.69	369	10-71		32	483	.01	23	33
43-33-0031	2360698	539742	10-65	5	305	13,194	5.09	671	21	9,858	4.64	457	12-71		44	616	.12	41	52
43-33-0031	2374271	539742	4-66	3	305	12,143	4.93	599	20	9,663	4.58	443	5-71		42	474	.10	32	41
43-33-0031	2480054	553667	9-68	2	305	14,140	4.57	646	16	10,680	4.62	493	4-72		40	517	.03	27	38
43-44-0004	2415055	548128	6-67	3	305	12,910	4.53	585	57	8,500	4.79	407	11-71		41	697	-.05	27	43
43-44-0004	2498929	553667	8-69	1	305	12,810	4.47	572	66	8,900	4.71	419	10-71		36	452	.01	22	32
43-50-0002	2329501	559484	3-65	5	298	15,254	3.93	600	19	9,894	4.49	444	11-71		37	922	-.13	28	51
43-50-0002	2361475	559484	7-64	5	303	15,426	4.47	690	18	10,922	4.40	481	2-71		37	812	-.01	36	54
43-50-0002	2423649	546650	5-67	3	305	13,440	4.67	627	17	10,880	4.34	472	2-72		34	415	.05	24	32
43-50-0002	2448605	548128	12-67	3	303	14,003	4.77	668	19	10,696	4.30	460	4-72		41	554	.04	32	44
43-50-0002	2467580	573561	4-68	2	305	14,835	4.08	606	24	10,650	4.40	469	5-71		25	538	-.06	18	31
43-58-0025	2348985	539742	10-65	4	293	11,633	4.73	550	26	9,638	4.46	430	3-72		43	429	.08	28	36
43-58-0046	2443999	560361	1-68	2	305	13,130	4.56	599	15	9,140	4.92	450	10-71		32	493	-.03	20	31
43-58-0046	2487040	553667	12-68	1	305	12,700	4.82	612	17	9,000	5.06	455	3-71		36	437	.03	23	32
43-58-0046	2530335	555757	10-69	1	298	14,590	5.36	782	20	10,300	4.86	501	12-71		27	469	.09	31	40
43-58-0049	2279078	523125	11-63	3	305	12,400	5.05	626	13	9,653	4.81	464	10-71		34	458	.04	25	34
43-58-0049	2319180	560361	10-64	5	305	14,196	4.44	630	12	10,604	4.75	504	1-72		37	572	-.04	22	35

TABLE 2. GUERNSEY USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C O	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
43-58-0049	2373847	560361	4-66	3	305	13,503	4.61	623	10	9,746	4.78	466	11-71		34	530	.00	24	$ 36
43-77-0013	2353954	565434	2-66	4	301	15,452	4.12	637	12	11,305	4.56	516	1-72		35	643	-.10	19	35
43-77-0013	2368680	539742	3-66	3	305	15,573	4.70	732	17	11,207	4.40	493	5-71		42	712	.09	42	56
43-77-0013	2413055	565434	4-67	2	305	15,820	4.30	680	14	11,405	4.57	521	4-71		30	571	-.05	21	35
43-77-0013	2466339	565434	11-67	3	303	15,756	4.16	655	12	11,483	4.61	529	1-72		33	622	-.09	19	34
43-77-0013	2534854	560835	2-70	1	305	18,030	4.59	828	13	12,520	4.70	588	12-71		35	502	-.02	21	32
43-77-0013	2534859	553667	6-69	1	305	16,530	4.79	791	12	13,300	4.65	618	2-72		36	434	.05	25	34
43-83-0011	2087783	502177	2-61	8	305	12,684	4.57	580	24	9,915	4.81	477	4-71		40	658	-.08	22	38
43-83-0011	2324306	564776	1-65	3	305	14,570	5.08	740	27	11,027	4.94	545	12-71		32	597	.08	36	48
43-83-0011	2361772	564776	11-65	4	305	14,698	4.95	728	29	10,898	4.91	535	11-71		33	662	.06	37	50
43-83-0011	2399336	564776	9-66	3	305	14,127	4.81	679	19	10,387	4.83	502	8-71		32	615	.04	33	46
43-83-0011	2440752	546331	8-67	3	305	13,977	4.51	631	28	11,030	5.06	558	12-71		42	506	-.04	19	31
43-83-0011	2466429	553667	5-68	2	305	13,955	4.73	660	24	11,310	4.89	553	3-72		40	441	.03	23	32
43-83-0011	2483517	553667	11-68	2	305	14,260	4.91	700	28	11,600	4.97	576	11-71		40	445	.04	25	34
43-83-0011	2497711	555757	3-69	1	305	15,230	4.53	690	22	10,190	4.68	477	6-71		27	532	.00	25	37
43-97-0069	2392213	566861	9-66	4	302	14,240	4.21	600	15	10,585	4.44	470	11-71		34	552	-.05	20	33
43-97-0069	2392215	549342	11-66	3	305	14,400	4.38	630	28	10,580	4.43	469	9-71		41	688	-.07	24	41
43-97-0069	2448618	546331	1-68	2	305	14,940	4.32	645	19	11,010	4.39	483	3-72		40	570	.00	26	39
45-20-0016	2536704	573249	2-68	2	292	15,650	5.00	783	10	12,415	4.76	591	1-72		29	555	.06	32	43
45-20-0016	2538163	573249	3-68	1	280	17,360	4.67	811	12	12,300	4.86	598	11-71		23	624	-.01	28	42
45-20-0016	2538164	573249	3-69	1	305	16,890	5.35	904	12	12,270	4.92	604	10-71		23	584	.09	36	47
45-20-0016	2538172	557576	12-67	2	305	17,540	5.39	946	19	13,405	4.80	644	10-71		32	363	.17	34	39
46-05-0118	2297381	496783	11-64	4	305	13,640	4.42	603	6	9,730	4.52	440	4-71		44	577	.01	28	4[illegible]
46-29-0002	2280055	529773	8-64	5	304	13,034	4.95	645	11	10,320	4.62	477	10-71		44	418	.10	30	37
46-29-0002	2504879	573056	8-69	1	305	14,830	4.58	679	9	10,380	4.40	457	9-71		23	488	.04	27	37
47-13-0021	2368369	496783	3-66	4	299	11,883	4.99	593	12	9,548	4.62	441	8-71		44	380	.09	27	34
47-20-0065	2297678	549342	8-64	5	305	15,838	4.00	633	22	10,532	5.04	531	11-71		43	933	-.22	19	44
47-27-0010	2469523	548128	11-68	1	305	14,310	4.11	588	26	9,840	4.54	447	5-71		35	561	-.06	19	33
47-27-0010	2484979	548128	1-69	2	305	16,375	4.81	788	22	11,145	4.47	498	4-72		39	760	.03	38	54
47-27-0010	2492515	548128	1-69	2	296	13,150	4.54	597	25	10,585	4.57	484	2-72		39	479	-.02	20	31
47-27-0032	2410944	549342	9-66	3	305	11,403	4.67	532	12	8,280	4.89	405	5-71		41	578	-.07	19	33
47-27-0032	2489160	548128	7-67	3	305	12,436	4.33	539	13	8,503	5.02	427	12-71		41	642	-.09	20	36
47-27-0032	2536855	548128	11-68	1	305	11,330	5.12	580	15	8,370	4.78	400	7-71		35	435	.02	22	31
47-28-0023	2324210	496783	1-65	3	305	12,697	4.47	567	11	9,083	4.89	444	6-71		42	505	-.01	22	33
47-28-0023	2395819	547765	11-66	2	305	11,975	5.25	629	24	8,635	4.99	431	8-70		38	383	.11	29	35
47-28-0023	2403107	496783	2-66	3	305	12,237	4.78	585	20	9,370	4.91	460	8-71		42	422	.03	23	32
47-34-0007	2368953	511244	6-66	4	303	14,610	4.60	672	11	11,698	4.53	530	4-71		43	536	-.05	19	32
47-34-0007	2391605	511244	10-66	4	305	13,955	4.77	666	16	11,353	4.66	529	4-72		43	493	-.04	19	31
47-34-0007	2439977	511244	9-67	2	305	18,580	4.01	745	12	11,705	4.46	522	5-71		40	880	-.14	25	47
47-34-0007	2462347	572916	5-68	2	305	16,420	4.42	725	12	10,860	4.74	515	12-71		29	796	-.06	30	49
47-34-0007	2481231	572916	9-68	2	305	12,640	5.72	723	14	10,970	4.75	521	10-71		29	332	.14	30	35
47-34-0007	2481232	572916	10-68	2	288	14,190	4.40	625	14	10,875	4.74	515	10-71		29	528	-.06	18	31
47-34-0007	2481237	572916	8-68	2	305	14,795	4.51	667	14	10,875	4.74	515	10-71		29	600	-.03	24	38
47-34-0046	2400419	546626	12-66	4	299	12,405	5.41	671	27	10,115	4.84	490	3-72		43	326	.13	28	33
47-34-0046	2451818	546626	3-68	2	305	13,640	5.30	723	38	10,650	5.00	533	11-71		40	353	.08	25	31
47-34-0046	2477450	552896	9-68	2	305	14,200	4.75	674	40	10,430	4.98	519	12-71		39	781	-.03	33	51
47-34-0046	2477458	552896	3-69	1	305	12,620	4.87	615	24	9,980	4.90	489	3-71		35	613	-.01	27	41
47-34-0046	2477467	552896	5-68	2	302	11,480	5.02	576	42	10,205	5.05	515	9-71		39	520	-.01	23	35
47-34-0046	2477471	552896	7-68	2	305	12,185	4.76	580	41	10,655	4.99	532	1-72		39	551	-.03	22	35
47-34-0046	2477473	552896	9-68	2	305	12,720	5.28	672	46	10,300	5.02	517	10-71		39	640	.03	33	46
47-34-0046	2483818	552896	8-68	2	305	12,455	4.99	621	49	10,660	5.01	534	12-71		39	579	-.01	26	39
47-34-0046	2519538	552896	1-70	1	305	13,750	4.79	658	21	10,400	4.86	505	3-72		35	671	-.02	29	44
47-34-0046	2520272	552896	2-70	1	305	12,090	4.48	542	30	10,630	4.84	515	2-72		35	528	-.04	20	32
47-48-0030	2468354	552424	10-68	2	304	15,385	4.77	734	20	10,315	5.25	542	10-71		39	577	-.02	24	37
47-48-0030	2481234	572916	10-68	2	297	15,605	4.55	710	26	10,470	5.24	549	10-71		29	740	-.08	25	43
47-74-0044	2497519	552896	9-68	1	296	13,950	4.09	571	6	10,340	4.76	492	9-71		35	690	-.07	24	41
47-80-0007	2399914	549342	10-66	3	305	13,356	4.33	578	18	9,900	4.93	488	2-71		41	637	-.13	16	32
47-80-0007	2479277	571743	10-68	2	304	13,895	4.89	680	15	9,820	5.17	508	10-71		29	565	-.02	24	37
47-80-0007	2543369	571743	12-69	1	305	15,760	4.78	754	16	9,760	5.16	504	10-71		24	622	-.02	26	4[illegible]
48-03-0004	2449669	496783	11-67	2	305	13,310	4.29	571	6	9,565	4.22	404	9-71		40	479	.03	25	35
48-10-0046	2425163	569223	9-67	3	305	12,803	4.36	558	16	9,400	4.43	416	1-72		36	602	-.03	25	39
48-14-0007	2449670	546331	10-67	2	305	12,050	4.67	563	15	8,935	4.97	444	10-71		40	466	.01	22	32
48-14-0011	2427100	569223	10-67	2	305	12,875	4.79	617	13	9,680	5.05	489	8-71		33	538	-.03	22	34
48-14-0018	2352284	564434	8-65	4	305	13,125	5.93	778	17	11,175	5.34	597	1-71		36	330	.17	33	37
48-14-0018	2377835	564434	6-66	4	304	14,582	4.81	701	9	11,565	5.24	606	3-72		36	485	-.01	21	32
48-21-0051	2329419	529773	11-65	5	298	12,862	5.08	654	19	11,108	4.67	519	1-72		44	303	.13	27	31
48-21-0051	2439199	546331	10-67	2	305	14,635	4.58	670	16	12,115	4.46	540	2-71		40	438	.04	24	33
48-21-0091	2141390	505384	1-62	6	304	15,490	4.77	739	12	11,652	4.57	533	3-71		44	702	-.04	28	44
48-21-0091	2329575	505384	9-64	5	305	15,980	3.95	631	14	12,324	4.41	543	3-72		44	687	-.17	13	31
48-21-0091	2492491	557710	8-63	1	305	18,000	4.72	850	17	12,440	4.74	590	10-71		26	704	-.04	28	44
48-22-0011	2429783	553653	9-67	2	305	13,380	4.74	634	16	10,780	4.62	498	2-71		32	487	.01	23	34
48-22-0011	2450165	567518	6-67	2	281	14,605	4.46	652	10	9,385	4.64	435	8-71	8	30	689	-.04	27	43
48-22-0011	2530839	546331	11-68	1	139	13,930	5.00	697	8	10,550	4.59	484	12-71	8	36	427	.06	26	34
48-26-0057	2234703	553961	5-62	4	265	12,295	4.81	592	12	7,695	5.02	386	7-71	8	30	664	-.01	30	45
48-44-0016	2331051	547765	11-63	6	303	14,711	4.64	682	11	10,805	4.56	493	5-71		42	577	.06	33	45
48-44-0016	2331054	547765	7-64	4	305	15,607	4.97	776	8	12,200	4.60	561	1-72		41	507	.13	37	46
48-44-0016	2382579	547765	5-66	3	305	13,440	5.03	676	13	11,000	4.72	519	4-71		40	348	.11	27	33
48-44-0016	2487859	553667	3-68	2	305	15,245	4.85	739	15	12,365	4.83	597	1-72		40	475	.05	27	37
48-44-0141	2306052	553288	6-64	5	305	12,046	4.83	582	22	9,268	4.92	456	12-71		36	482	.03	25	35
48-44-0141	2490393	572193	12-68	2	305	15,995	4.45	711	9	10,745	4.87	523	3-72		29	640	-.05	24	39
48-44-0152	2394953	533454	9-65	4	298	12,593	4.51	568	5	8,230	4.67	384	1-71		41	607	-.02	26	4[illegible]
48-44-0170	2322872	475595	2-65	3	298	12,953	4.50	583	21	10,973	4.75	521	2-72		42	530	.00	24	36
48-44-0170	2383269	515996	6-66	4	305	14,225	4.61	656	20	10,618	4.70	499	8-71		40	422	.02	22	31
48-44-0170	2392716	572307	4-66	3	300	15,190	4.56	693	21	11,307	4.71	533	1-72		29	572	-.02	24	37
48-44-0170	2411513	569223	6-67	3	303	13,740	4.66	640	21	10,783	4.78	515	10-71		36	562	-.02	24	37

TABLE 2. GUERNSEY USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVED MO-YR	T C O	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
48-44-0170	2440297	552896	12-67	2	305	15,920	4.10	653	9	11,780	4.42	521	3-71		39	833	-.07	31	$ 51
48-44-0170	2440299	552896	2-68	2	292	12,865	5.25	676	22	11,050	4.75	525	10-71		39	585	.05	32	44
48-44-0170	2440300	552896	1-68	2	305	14,745	4.43	653	20	10,950	4.73	518	11-71		39	789	-.05	31	49
48-44-0170	2440302	552896	12-67	2	296	15,855	4.27	677	12	11,485	4.48	515	2-71		39	854	-.05	34	54
48-44-0170	2469925	552896	1-68	2	302	13,990	4.75	665	6	11,930	4.32	515	4-71		39	619	.03	32	45
48-44-0171	2440597	557710	7-67	2	305	14,020	4.34	609	26	10,125	4.84	490	3-71		32	638	-.10	19	35
48-44-0171	2459230	572192	3-68	2	305	12,255	5.23	641	5	8,860	4.94	438	9-71		30	452	.09	30	38
48-44-0171	2491060	572192	12-68	1	305	13,650	5.33	728	20	10,700	4.68	501	3-71		24	335	.11	27	32
48-44-0172	2361913	550942	3-65	5	290	13,716	4.53	621	19	9,080	4.72	429	3-71		44	737	-.05	29	46
48-72-0043	2429691	569266	7-67	2	305	13,760	4.37	601	12	9,360	4.46	417	12-71		29	485	.00	22	33
48-77-0049	2298441	557665	9-64	5	305	11,140	5.07	565	23	8,248	5.09	420	11-71		36	461	.03	24	34
48-79-0026	2243043	509325	2-63	6	302	11,237	4.88	548	20	8,860	4.85	430	11-71		43	386	.09	27	34
48-79-0026	2360481	559186	7-65	4	305	12,923	4.91	635	23	9,788	4.73	463	9-71		34	361	.08	25	31
48-79-0026	2436025	533454	8-67	3	301	12,387	4.87	603	29	9,057	4.85	439	2-72		40	459	.03	24	34
48-79-0026	2447624	562892	11-67	3	305	15,233	4.28	652	26	9,590	4.71	452	3-72		34	737	-.08	25	43
48-79-0026	2467814	562503	6-68	2	305	11,340	5.19	588	31	8,590	4.99	429	9-71		36	390	.08	26	33
48-82-0036	2428910	569223	7-67	2	305	13,655	4.60	628	11	10,740	4.45	478	8-71		33	518	.01	25	36
48-97-0070	2393502	540157	1-67	2	305	12,335	4.56	562	12	8,340	4.41	368	3-72		32	454	.04	25	34
50-10-0008	2450600	565566	3-68	3	305	15,546	4.88	758	6	10,980	4.98	547	3-72		33	759	-.02	33	50
51-02-0035	2183412	541052	7-62	8	304	13,868	4.49	622	34	10,690	4.57	488	4-72		36	553	-.02	23	36
51-02-0035	2229862	533094	7-63	6	303	13,941	4.47	623	32	10,613	4.65	493	4-72		36	497	-.03	20	31
51-02-0035	2364071	560090	12-65	3	305	13,860	4.23	586	38	9,990	4.73	473	11-70		33	623	-.08	20	35
51-02-0035	2364072	560090	1-66	4	305	13,570	4.27	580	37	10,272	4.66	479	3-72		35	580	-.07	19	33
51-04-0031	2422797	553667	7-67	3	301	12,646	4.90	620	14	9,120	5.02	458	12-71		42	549	.04	29	40
51-04-0031	2495949	557543	3-69	1	305	14,390	4.79	690	31	8,810	4.93	434	6-71		35	465	.00	21	31
51-04-9030	2197367	518624	1-63	7	305	14,134	5.35	756	11	11,391	4.68	533	3-72		44	376	.18	36	41
51-04-9030	2435866	553667	1-68	3	305	12,736	5.29	674	11	11,093	4.80	533	11-71		42	355	.10	27	33
51-04-9030	2458685	529773	8-68	2	305	13,760	4.69	646	17	10,475	4.88	511	9-71		40	404	.05	24	32
51-05-0008	2477045	553667	11-68	2	305	11,925	4.89	583	17	9,055	4.79	434	4-72		40	441	.05	26	35
51-05-0009	2368636	567070	11-65	4	305	12,388	5.07	628	8	9,693	4.83	468	8-71		33	423	.05	25	33
51-05-0109	2407921	564864	9-65	4	305	14,285	5.32	760	16	11,713	4.58	536	2-72		42	313	.16	31	35
51-05-9001	2082679	509283	11-60	6	305	13,113	4.42	579	31	9,712	4.68	455	6-71		37	591	-.08	19	33
51-05-9001	2347353	562351	7-65	4	305	13,182	4.51	594	38	9,215	4.86	448	12-71		33	565	-.06	20	34
51-05-9001	2436124	566854	8-67	1	305	12,520	5.75	720	32	9,680	4.74	459	1-72		23	301	.17	31	35
51-05-9001	2436135	566854	12-67	2	305	12,345	5.01	618	45	9,120	4.89	446	11-71		29	423	.07	27	35
51-05-9014	2346680	543827	9-65	3	296	12,823	4.66	597	25	8,906	4.79	427	11-70		33	527	-.02	22	34
51-05-9014	2476029	553667	11-68	1	305	14,130	5.28	746	38	8,040	4.70	378	9-71		36	608	.09	38	50
51-05-9036	2471651	553667	11-68	2	301	13,130	4.90	643	11	10,430	4.77	498	3-72		40	437	.06	26	35
51-06-0040	2508645	552896	9-69	1	83	16,300	5.25	855	15	13,840	4.93	683	11-71	B	35	629	.03	32	45
51-07-0039	2332619	529773	9-65	4	304	12,600	4.43	558	29	9,225	4.77	440	10-71		43	471	.01	23	33
51-07-0039	2420630	553667	8-67	3	299	11,386	4.51	514	30	8,610	4.74	408	10-71		42	457	.01	22	32
51-07-0039	2489121	553667	11-68	2	305	12,245	4.58	561	23	9,290	4.65	432	4-72		40	452	.03	24	33
51-07-0041	2384238	540888	8-66	4	304	11,060	4.48	495	27	8,088	4.78	387	12-71		42	483	-.02	20	31
51-07-0041	2468068	553667	11-68	1	305	11,570	4.32	500	24	7,500	4.55	341	7-71		36	454	.01	22	32
51-09-0011	2445375	553667	8-67	2	298	13,895	4.22	587	6	9,715	4.14	402	7-71		40	580	.02	29	41
51-09-0035	2313699	510634	10-64	5	305	13,254	4.91	651	20	10,702	4.59	491	2-72		44	413	.04	23	31
51-09-0035	2423889	571766	4-67	2	305	13,640	5.00	682	22	10,690	4.66	498	8-71		25	382	.06	24	31
51-10-0016	2307446	518624	10-64	5	300	13,748	5.23	719	32	11,002	4.95	545	10-71		44	371	.12	30	36
51-10-0016	2401003	528424	10-66	4	301	14,900	4.36	650	33	10,928	5.05	552	9-71		43	663	-.09	21	37
51-10-0016	2404487	533769	12-66	3	303	14,087	5.11	720	26	11,227	5.00	561	4-71		42	543	-.05	20	33
51-10-0016	2404489	556020	11-66	3	305	13,910	5.65	786	23	11,343	4.96	563	4-71		42	355	.14	31	36
51-10-9008	2058401	552229	8-60	8	303	12,303	5.53	680	83	9,216	5.13	473	7-71		36	412	.12	32	39
51-10-9008	2195776	475595	12-62	7	299	11,400	4.61	525	79	9,657	4.93	476	10-71		44	500	-.01	22	33
51-10-9008	2354933	559490	10-65	5	300	12,870	4.72	608	88	9,622	4.99	480	12-71		35	472	-.02	20	31
51-10-9008	2397752	567441	10-66	3	304	13,600	5.01	682	76	9,243	5.01	463	6-71		33	664	.04	35	49
51-10-9008	2399175	567441	10-66	3	305	13,567	4.44	602	86	9,703	5.04	489	4-71		33	604	-.06	21	36
51-10-9008	2417180	553667	3-67	2	301	12,770	4.78	611	80	9,425	5.11	482	12-70		40	493	.01	24	35
51-10-9008	2417182	528424	4-67	3	297	12,813	5.18	664	95	8,687	5.00	434	10-71		42	626	.05	34	47
51-10-9008	2444840	572372	11-67	3	281	11,973	5.32	637	93	9,183	5.01	460	8-71	H	32	376	.11	29	35
51-10-9008	2444843	572372	11-67	3	303	12,717	5.24	666	84	9,623	4.96	477	12-71		32	423	.11	31	36
51-10-9008	2449029	553667	11-67	2	305	11,725	5.88	689	85	9,010	4.98	449	8-71		40	425	.15	35	42
51-10-9008	2449038	553667	11-67	3	305	14,763	4.83	713	74	9,880	4.96	490	2-72		42	714	.03	36	51
51-10-9008	2455455	553667	1-68	2	304	13,650	4.40	601	68	9,470	4.93	467	3-72		40	578	-.02	24	37
51-10-9008	2460458	574039	3-68	2	305	11,555	5.90	682	70	9,050	4.85	439	8-71		29	336	.16	32	36
51-10-9008	2465757	553667	5-68	1	305	12,010	5.25	630	93	8,830	5.20	459	10-70		36	397	.05	24	32
51-10-9008	2490297	574039	12-68	2	300	13,465	4.68	630	60	9,960	4.86	484	3-72		29	468	-.01	21	31
51-10-9008	2492643	553667	1-69	1	305	12,850	5.42	696	82	9,980	4.92	491	5-71		36	383	.09	27	34
51-10-9008	2523833	549588	11-69	1	305	14,330	4.98	714	101	9,310	4.78	445	11-71		35	447	.01	22	32
51-11-0065	2349339	540888	2-66	4	305	12,628	4.71	595	17	9,340	4.66	435	4-72		42	538	.03	28	39
51-13-9002	2520775	571506	12-69	1	305	15,650	3.57	559	26	9,400	4.73	445	12-71		32	723	-.15	17	36
51-13-9002	2520776	553667	11-69	1	305	12,570	4.69	590	34	9,010	4.82	434	9-71		36	427	.03	23	32
51-15-0014	2279866	556404	3-64	5	305	15,300	4.57	699	10	11,824	4.96	587	1-71		35	529	-.04	20	32
51-15-0015	2509258	553667	7-69	1	305	13,440	4.84	651	6	9,700	4.82	468	11-71		36	445	.04	25	34
51-15-0101	2323914	524656	4-65	3	305	13,377	4.69	628	20	9,407	4.82	453	3-71		38	463	.03	24	34
51-15-0101	2373027	510634	8-66	4	304	13,628	4.79	653	13	9,675	5.09	492	12-71		43	560	-.04	22	35
51-15-0101	2409379	553667	7-67	3	305	11,223	5.36	602	16	9,520	4.71	448	5-71		42	344	.12	28	33
51-15-0101	2444345	553667	4-68	2	305	12,985	4.93	640	26	9,780	4.80	469	9-71		40	482	.06	28	38
51-15-0101	2450986	553667	7-68	1	305	13,730	5.38	739	23	9,200	5.08	467	11-70		36	501	.08	32	41
51-15-0101	2450987	553667	7-68	2	305	13,285	4.55	605	26	9,780	4.80	469	9-71		40	513	.01	25	36
51-15-0101	2488159	553667	2-69	1	305	14,130	5.22	737	33	11,070	4.94	547	10-71		36	405	.07	26	34
51-15-9106	2232102	510634	10-63	3	305	17,037	4.28	729	15	12,560	4.66	585	8-71		42	625	-.09	19	35
51-15-9106	2510541	553667	7-69	1	305	14,080	5.49	773	17	12,010	4.71	566	9-71		36	338	.11	27	32
51-17-0005	2384821	528424	7-66	4	305	11,330	5.01	568	28	9,095	4.73	430	3-72		43	424	.04	24	33
51-17-0005	2448564	553667	10-67	2	305	13,025	5.37	699	26	9,100	4.68	426	6-71		40	548	.12	38	48
51-17-0005	2488428	553667	8-68	2	282	12,270	4.22	518	17	8,885	4.77	424	11-71		40	491	-.02	20	31

TABLE 2. GUERNSEY USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C D	REPT (%)	.......C O W MILK (LB)	I N D E X....... FAT (%)	FAT (LB)	DOL-LARS
51-17-0005	2488429	553667	8-68	2	305	11,355	5.03	571	18	8,935	4.78	427	12-71		40	394	.07	25	$ 32
51-17-0029	2311542	524656	2-65	5	291	11,036	5.43	599	44	8,348	5.00	417	8-71		41	329	.11	27	32
51-17-0029	2404847	568702	10-66	3	305	11,473	5.54	636	31	8,130	4.88	397	8-71		32	438	.15	36	43
51-17-0072	2348845	540888	8-65	4	305	12,373	5.09	630	55	9,845	4.92	484	4-71		42	449	.05	26	35
51-17-0072	2401995	540888	12-66	3	304	12,670	5.40	684	49	10,463	4.87	510	2-72		41	399	.10	29	36
51-17-0072	2432389	569672	7-67	2	305	13,545	5.05	684	46	9,945	5.00	497	2-71		25	455	.03	24	33
51-17-0072	2474605	553667	8-68	2	305	14,725	4.48	660	65	9,855	4.93	486	1-72		40	652	-.01	29	44
51-17-0072	2484101	553667	3-69	1	298	14,500	4.72	685	63	9,800	5.03	493	7-71		36	518	.02	26	37
51-17-9021	2207306	496783	3-63	7	305	13,551	4.80	651	19	11,040	4.78	528	10-71		44	433	.05	25	34
51-17-9021	2417685	553667	10-67	2	287	14,310	5.23	749	21	12,160	4.90	596	11-71		40	399	.09	28	35
51-17-9021	2433821	553667	11-67	3	305	15,210	4.86	739	11	12,923	4.81	621	2-72		42	450	.05	26	35
51-17-9021	2443549	553667	9-67	3	304	14,840	4.66	691	18	11,803	4.82	569	10-71		42	523	.02	26	37
52-04-0009	2457459	501586	10-67	2	305	' 855	4.64	550	31	9,690	4.42	428	5-71		39	477	.01	23	33
52-04-0010	2315925	533769	6-64	3	301	11,843	4.30	509	27	8,280	4.44	368	6-71		42	589	-.10	16	31
52-04-0010	2473731	557348	9-68	1	305	12,110	4.83	585	48	8,400	4.56	383	10-71		33	470	.02	24	34
52-07-0025	2274925	556713	7-64	4	305	12,852	5.38	692	22	10,575	4.80	508	12-71		35	336	.14	30	35
52-07-0025	2274928	556713	8-64	5	305	13,102	5.46	716	22	10,272	4.93	506	5-71		36	428	.15	35	42
52-07-0025	2274929	556713	9-64	4	305	14,847	4.47	664	19	10,050	4.98	500	11-70		35	690	-.04	27	43
52-07-0025	2354085	560240	5-65	4	305	16,122	3.89	627	34	11,150	4.90	546	12-70		35	865	-.19	19	42
52-07-0025	2441946	556713	9-67	2	305	15,240	4.59	699	31	10,750	4.87	523	7-71		30	544	-.01	24	36
52-07-0025	2459416	511244	12-66	3	244	17,543	3.98	699	27	11,290	4.77	539	1-71		42	899	-.20	20	44
52-07-0025	2475974	553667	1-69	1	305	13,940	5.08	708	44	11,500	4.72	543	5-71		36	362	.07	24	31
52-07-0025	2492477	556713	11-68	1	305	16,830	4.96	834	26	11,690	4.68	547	4-71		24	474	.07	29	38
52-07-0041	2101119	508307	5-61	7	305	15,097	4.70	710	18	10,570	4.86	514	2-71		36	718	-.03	30	46
52-07-0041	2260030	559671	6-64	5	246	14,728	4.25	626	21	10,100	4.66	471	10-71	A	37	767	-.08	27	45
52-07-0041	2464059	577794	10-68	2	305	15,795	4.73	747	32	11,270	4.89	551	1-72		28	610	.00	28	41
52-07-0041	2464062	557348	9-68	2	305	16,165	4.22	682	46	10,550	4.87	514	9-71		38	779	-.08	27	46
52-07-0041	2464065	527801	1-68	2	303	16,365	4.45	728	20	10,565	4.73	500	5-71		38	592	-.02	25	38
52-07-0041	2503330	557348	1-69	1	305	14,130	4.87	688	47	10,460	4.77	499	9-71		33	483	.02	24	34
52-07-0053	2503025	552896	7-69	1	305	13,660	4.06	554	17	10,580	4.71	498	12-71		35	652	-.08	22	38
52-07-0053	2514528	552896	9-69	1	203	12,760	4.65	593	23	10,080	4.69	473	11-71	B	35	617	-.01	27	41
52-07-0053	2514532	552896	9-69	1	217	12,060	4.76	574	23	10,080	4.69	473	11-71	B	35	564	-.01	25	38
52-32-0008	2300055	557348	12-64	4	305	12,755	5.25	670	20	9,930	4.86	483	12-70		41	531	.07	32	42
52-32-0008	2440138	568924	10-67	3	302	13,650	4.46	609	18	10,106	5.01	506	12-71		37	561	-.08	17	31
52-32-0008	2474618	573308	7-68	1	305	15,860	4.59	728	18	10,360	5.15	534	1-71		27	690	-.02	30	46
52-32-0008	2480570	557348	10-68	1	302	14,650	4.55	666	17	10,120	5.02	508	6-71		33	547	-.04	21	34
52-37-6035	2418752	557348	10-65	4	305	13,182	5.20	686	24	10,867	4.77	518	4-72		41	477	.08	30	39
52-59-0001	1920224	475548	1-59	7	261	15,793	5.13	810	58	11,221	4.73	531	3-72		44	728	.13	47	61
52-59-0001	2280955	556404	8-64	4	305	14,868	4.80	713	10	12,173	4.67	568	4-72		33	396	.06	24	32
52-59-0001	2291292	541009	3-65	4	305	15,740	3.74	589	47	10,558	4.66	492	10-71		43	612	-.12	15	31
52-59-0001	2333320	561677	5-65	3	300	14,143	4.63	655	48	11,126	4.52	503	7-71		32	524	.03	27	38
52-59-0001	2333330	561677	7-65	3	305	13,026	4.96	646	45	9,870	4.65	459	8-71		32	526	.06	31	41
52-59-0001	2333344	561677	10-65	4	303	12,732	4.52	575	50	10,200	4.63	472	9-71		33	466	-.01	20	31
52-59-0001	2373960	541009	9-66	4	254	15,795	4.53	715	26	11,693	4.54	531	2-72		43	491	.04	27	37
52-59-0001	2385908	560028	4-66	4	239	14,000	4.70	658	58	10,318	4.73	488	8-71		35	530	.01	25	37
52-59-0001	2392823	557542	4-66	3	305	13,693	4.70	643	31	11,463	4.68	537	4-71		33	503	.04	27	37
52-59-0001	2392824	557542	5-66	3	305	13,010	5.63	733	33	11,046	4.77	527	5-71		33	463	.18	40	47
52-59-0001	2418428	559109	6-67	2	305	14,520	4.58	665	36	10,945	4.58	501	3-71		32	476	.02	24	34
52-59-0001	2422197	557542	9-67	3	298	15,260	4.58	699	32	11,136	4.71	524	11-71		33	751	.01	36	52
52-59-0001	2422207	557542	12-67	2	305	15,420	4.44	684	27	11,615	4.67	543	2-71		30	661	.00	30	45
52-59-0001	2475701	557542	2-69	1	305	15,200	4.57	694	23	12,800	4.28	548	4-72		25	447	.06	27	36
52-59-0001	2491428	557542	3-69	1	305	13,760	4.77	657	91	10,980	4.55	500	7-71		25	465	.05	27	36
52-59-0001	2511957	561677	9-69	1	305	17,210	4.09	704	43	12,850	4.32	555	12-71		23	530	-.03	21	33
52-61-0007	2297485	557348	9-64	4	305	15,212	4.48	682	20	12,825	4.74	608	3-72		41	512	-.04	19	31
52-61-0007	2417760	527801	1-67	3	305	16,210	5.02	813	24	13,320	4.69	625	12-71		40	361	.08	25	31
52-61-0007	2421045	553667	6-67	3	305	17,636	4.49	792	32	14,283	4.59	655	3-72		42	588	.01	28	41
52-61-0007	2446413	557348	11-67	2	305	17,100	4.75	812	24	13,150	4.64	610	2-71		38	630	.02	31	45
52-61-0007	2461972	557348	6-68	2	304	16,150	4.58	739	22	13,060	4.69	612	5-71		38	539	-.02	23	35
52-61-0007	2496620	557348	2-69	2	305	15,875	5.25	833	24	14,725	4.62	681	2-72		38	352	.10	27	33
52-61-0007	2501695	557348	5-69	1	305	16,780	3.83	642	9	11,340	4.67	530	8-71		33	628	-.10	18	34
52-61-0007	2501697	553667	6-69	2	305	17,140	4.67	800	29	15,035	4.60	691	4-72		40	424	.04	24	33
52-61-0007	2504031	557348	3-69	1	305	18,820	4.19	789	25	14,580	4.73	689	3-71		33	560	-.07	18	32
52-64-0015	2241587	559716	11-63	5	304	14,064	4.80	675	42	11,412	4.78	545	12-70		36	508	.01	24	35
52-64-0015	2476268	552896	6-68	1	305	13,420	4.05	543	24	11,120	4.81	535	11-71		35	596	-.09	18	33
52-64-0015	2476269	552896	12-68	1	305	14,080	4.57	644	26	11,030	4.73	522	1-72		35	653	-.03	27	42
52-64-0023	2502390	552896	1-69	1	305	11,670	4.11	480	16	9,970	4.58	457	5-71		35	541	-.06	19	32
52-64-0025	2499242	552896	8-68	2	296	12,550	4.74	595	26	10,725	4.65	499	1-72		39	582	.00	27	40
52-67-0004	2053983	544406	5-60	9	294	11,931	4.93	588	25	9,527	4.98	474	2-72		36	439	.02	22	31
52-67-0029	2328307	511244	9-65	3	289	14,820	4.40	652	26	11,260	4.62	520	11-71		42	585	-.09	17	32
52-67-0029	2471666	572355	11-68	2	237	16,995	4.02	684	19	12,165	4.39	534	2-72	B	29	629	-.09	19	35
52-70-6003	2384485	564917	6-66	4	299	14,125	4.67	659	23	10,455	4.76	498	12-71		33	580	-.02	25	38
52-70-6003	2508775	548996	10-61	2	305	12,980	5.19	674	36	10,140	4.65	472	10-71		29	404	.10	29	36
52-76-0003	2060403	512477	10-60	7	305	13,660	4.49	614	144	10,067	4.72	475	2-71		38	560	-.05	21	34
52-76-0003	2150868	544225	9-60	7	305	14,270	5.15	735	131	9,744	4.71	459	3-71		36	649	.11	42	54
52-76-0003	2259789	511244	3-64	6	304	12,987	4.51	586	144	9,428	4.73	446	9-71		44	607	-.08	19	34
52-76-0003	2309947	563672	2-65	3	304	13,753	4.77	656	171	9,713	4.75	461	10-71		33	650	.01	31	45
52-76-0003	2327735	563672	5-65	4	305	15,280	4.36	666	144	10,015	4.65	466	8-71		35	867	-.05	34	54
52-76-0003	2331227	563672	4-65	4	305	13,975	4.39	613	164	10,530	4.63	488	1-72		35	613	-.05	23	37
52-76-0003	2340312	557510	8-65	3	305	13,380	4.83	646	137	10,417	4.64	483	7-71		33	473	.05	27	36
52-76-0003	2359665	563389	11-65	3	305	14,333	4.90	703	147	10,463	4.67	489	5-71		33	409	.06	25	33
52-76-0003	2390275	560072	1-66	3	305	11,933	5.04	601	183	10,216	4.69	479	12-70		35	425	.08	28	36
52-76-0003	2390283	560072	3-66	3	305	11,726	4.75	557	145	9,886	4.69	464	9-71		35	437	.04	24	33
52-76-0003	2390295	511244	5-66	3	303	13,750	4.76	654	133	9,837	4.72	464	7-71		42	610	-.05	23	37
52-76-0003	2399236	511244	9-66	3	305	18,003	4.19	754	147	10,473	4.65	487	3-71		42	1,038	-.14	32	58
52-76-0003	2418854	569871	4-67	3	305	13,780	5.05	696	190	10,107	4.69	474	12-71		32	475	.09	31	40

TABLE 2. GUERNSEY USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C D	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
52-76-0003	2438851	533774	11-67	2	305	16,435	4.42	727	170	9,945	4.68	465	1-72		40	763	-.12	22	$ 41
52-76-0003	2464404	572566	5-68	2	305	13,310	5.06	673	153	9,750	4.72	460	9-71		29	374	.08	26	33
52-76-0003	2480717	559241	9-68	2	262	15,475	4.10	635	118	10,620	4.56	484	4-72		31	632	-.09	19	35
52-76-0003	2488366	560072	3-69	1	305	15,440	4.30	664	133	9,950	4.66	464	6-71		27	691	-.02	30	46
52-76-0003	2500933	511244	4-69	1	305	15,600	4.38	684	124	10,000	4.65	465	6-71		35	594	-.09	18	33
52-76-0003	2513010	546331	11-68	2	305	13,415	4.86	652	176	10,380	4.62	480	2-72		40	473	.05	27	36
52-76-0003	2543974	557542	12-69	1	305	15,880	5.02	797	186	9,720	4.62	449	11-71		25	751	.09	44	59
52-82-0026	2512849	573770	9-69	1	305	15,320	3.50	536	27	8,250	4.82	398	9-71		24	778	-.17	18	38
52-82-0026	2512850	573770	9-69	1	305	11,700	4.85	567	30	8,210	4.75	390	8-71		24	457	.00	21	31
52-82-0026	2522590	573770	11-69	1	305	14,430	4.47	645	16	10,310	4.77	492	3-72		24	533	-.04	20	33
52-82-0026	2541706	552896	4-69	1	305	11,820	4.81	569	28	10,460	4.68	490	11-71		35	519	.00	24	35
52-87-0007	2292586	538347	11-62	5	297	13,236	4.94	654	27	10,524	4.78	503	5-71		36	520	.04	28	39
52-87-0007	2292604	538347	7-63	5	305	12,546	5.01	628	31	10,170	4.74	482	7-71		36	466	.05	27	36
52-87-0007	2390268	557032	1-66	3	294	13,386	4.84	648	28	11,016	4.70	518	11-71		36	442	.03	23	32
52-87-0007	2434281	559700	5-67	2	305	14,965	4.28	641	33	10,845	4.74	514	1-72		32	560	-.08	17	31
52-87-0007	2444959	557032	1-68	2	305	13,310	5.02	668	25	11,150	4.69	523	1-72		34	390	.05	23	31
52-87-0008	2475387	552896	7-68	1	305	12,640	4.48	566	24	9,960	4.50	448	7-71		35	616	-.02	26	40
54-13-0005	2502384	557348	1-69	2	276	12,045	4.55	548	15	8,950	4.61	413	11-71		38	496	-.01	22	33
54-17-0016	2370020	565860	8-66	3	305	13,863	4.31	598	7	8,543	4.47	382	5-71		29	737	-.04	30	47
54-17-0018	2276414	496783	8-64	6	305	12,033	5.27	634	23	9,820	4.79	470	12-71		44	379	.12	30	36
54-17-0019	2443745	546331	9-67	2	305	11,625	4.51	524	15	8,470	4.51	382	2-72		40	466	.01	23	33
54-21-0027	2436093	553667	8-67	2	299	12,830	4.29	550	19	10,030	4.50	451	11-71		40	444	.01	21	31
55-10-0019	2467715	552896	12-68	1	305	14,200	4.52	642	16	11,230	4.50	505	10-71		35	648	-.02	28	43
55-16-0024	2220781	506243	8-63	6	305	13,160	4.36	574	6	10,037	4.63	465	8-71		44	557	-.05	20	33
55-17-0021	2328449	561108	3-65	3	305	13,373	4.13	552	8	9,983	4.46	445	1-72		33	553	-.07	18	32
55-22-0002	2352325	539742	10-65	3	305	14,177	4.29	608	25	11,893	4.46	530	5-71		42	478	.02	24	34
55-22-0002	2352330	539742	10-65	4	305	13,518	4.28	578	39	11,053	4.51	498	8-71		43	505	.01	24	35
55-22-0002	2377065	556020	2-66	4	305	15,813	4.48	709	34	11,958	4.47	535	1-72		43	544	.01	26	38
55-22-0002	2378650	539742	1-66	4	305	13,688	4.33	593	40	11,040	4.48	495	11-71		43	528	.02	26	37
55-22-0002	2513894	567357	9-69	1	305	17,210	4.26	733	34	11,040	4.66	515	9-71		24	664	-.09	21	37
55-22-0014	2334267	539742	7-65	5	302	13,536	4.98	674	15	11,762	4.86	572	9-71		44	437	.08	28	36
55-22-0014	2334268	539742	5-65	5	305	13,324	4.93	657	16	11,860	4.92	584	10-71		44	398	.05	24	32
55-22-0014	2334269	539742	7-65	5	300	16,504	4.84	798	21	12,818	4.78	613	1-72		44	700	.06	39	53
55-22-0014	2381974	539742	8-66	4	300	14,233	4.40	626	16	11,693	4.88	571	9-71		43	523	-.03	21	33
55-22-0014	2384858	501586	10-66	3	237	15,810	4.62	730	24	12,820	4.72	605	2-72		41	629	-.02	27	41
55-22-0014	2433951	539742	7-67	3	305	14,463	4.99	722	16	12,017	4.93	592	10-71		42	498	.07	30	40
55-22-0014	2444479	511244	10-67	2	305	18,160	4.39	797	12	12,760	4.69	598	6-71		40	740	-.10	23	41
55-22-0014	2449875	553667	12-67	2	305	15,165	4.83	733	13	13,255	4.64	615	6-71		40	386	.06	24	31
55-31-0003	2091960	548718	5-61	9	302	13,070	4.84	633	62	9,887	4.91	485	1-72		32	503	.01	24	35
55-31-0003	2225966	500107	9-63	5	305	12,594	4.96	625	53	9,390	4.89	459	2-71		37	508	.03	27	38
55-31-0003	2363108	549235	2-66	4	305	13,463	4.78	643	60	9,413	4.91	462	10-71		44	719	-.09	23	41
55-31-0003	2369817	533769	6-66	4	305	15,090	4.31	650	58	10,030	4.85	486	12-71		44	820	-.15	21	42
55-31-0003	2383075	533769	7-66	3	305	14,797	4.40	651	54	10,437	4.78	499	7-71		42	706	-.13	19	37
55-31-0003	2398883	533769	11-66	3	304	13,437	5.03	676	51	9,447	4.84	457	6-71		42	652	-.04	26	41
55-31-0003	2449715	571939	11-67	2	305	12,860	4.96	638	67	9,655	4.76	460	2-72		25	401	.04	23	31
55-31-0003	2513553	558237	8-69	1	305	16,470	4.20	691	66	10,180	4.59	467	1-72		35	738	-.16	17	36
55-31-0010	2104612	496783	4-61	7	305	11,827	5.33	630	67	10,154	4.87	494	9-71		44	314	.11	26	31
55-31-0010	2333343	561677	10-65	4	267	13,422	4.90	658	50	10,942	4.67	511	10-71		33	469	.05	27	36
55-31-0010	2355553	556020	11-65	2	305	16,020	4.54	728	53	11,130	4.83	538	1-72		40	552	-.01	24	36
55-31-0010	2406224	546331	9-66	3	227	13,550	4.52	613	37	10,970	4.61	506	1-72		42	463	.02	23	33
55-31-0010	2414556	567885	3-67	2	305	13,850	4.89	677	66	10,490	4.92	516	1-71		29	531	.01	25	37
55-31-0010	2424441	567885	8-67	2	305	15,565	4.77	742	71	10,345	4.88	505	11-71		29	755	-.01	34	51
55-31-0010	2446788	511244	1-68	1	148	15,490	5.41	838	56	11,600	4.97	576	2-71	B	35	477	.00	22	32
55-31-0010	2490787	558237	12-68	1	305	15,950	4.79	764	51	11,040	4.95	546	4-71		35	639	-.12	17	33
55-31-0010	2513927	574192	8-69	1	305	17,240	4.43	763	32	11,870	4.58	544	4-72		22	566	-.03	23	36
55-33-0034	2257636	561120	4-64	5	260	13,446	5.06	680	26	9,936	4.50	447	10-71	B	38	483	.13	36	44
55-67-0001	2242752	526495	6-63	5	305	14,156	4.26	603	38	10,082	4.64	468	4-71		36	625	-.06	22	37
55-67-0001	2249019	511244	8-63	6	304	12,878	4.42	569	33	9,463	4.76	450	6-71		44	589	-.10	16	31
55-67-0001	2490514	552896	11-68	1	254	11,190	4.96	555	65	8,620	4.51	389	10-71	B	35	598	.01	29	42
55-67-0001	2490515	552896	12-68	1	305	12,050	4.02	485	55	10,160	4.46	453	6-71		35	557	-.05	20	33
55-67-0001	2495794	573012	11-68	1	305	13,580	4.74	644	48	10,030	4.39	440	6-71		22	414	.06	25	33
55-74-0007	2430351	523359	7-65	3	266	13,177	4.26	561	25	10,027	4.42	443	8-71	A	34	535	-.05	19	32
55-74-0007	2463339	552896	12-67	1	305	13,760	4.43	609	21	10,580	4.39	464	7-71		35	659	-.02	28	43
55-79-0006	2091507	511515	2-61	8	302	13,894	4.22	587	70	9,393	4.45	418	9-71		43	730	-.13	20	39
55-79-0006	2314695	544225	10-64	5	303	14,964	4.41	660	23	10,366	4.51	467	7-71		36	669	-.02	29	44
55-79-0006	2329456	512974	1-65	3	305	18,500	3.96	732	36	10,467	4.39	459	12-71		42	955	-.15	28	52
55-79-0006	2370385	511244	2-66	4	281	15,023	4.48	673	43	11,560	4.73	547	4-71		43	603	-.09	18	33
55-79-0006	2381144	568823	6-66	3	301	14,280	4.71	672	39	9,903	4.58	454	4-71		32	665	.00	31	46
55-79-0006	2434127	571365	11-67	3	304	14,913	4.47	667	32	11,553	4.55	526	4-72		34	708	-.02	30	46
55-79-0029	2375707	501586	9-66	3	302	15,077	4.01	605	20	10,960	4.76	522	3-71		41	739	-.12	21	40
55-79-0029	2472704	552896	9-68	2	305	13,195	4.99	658	28	10,765	4.86	523	8-71		39	645	.01	31	45
55-79-0060	2389304	539742	8-66	2	305	11,160	4.98	556	40	9,235	4.86	449	6-71		40	385	.07	25	32
55-89-0004	2274028	557688	10-64	5	305	17,034	4.14	705	14	11,440	4.69	536	7-71		38	850	-.12	26	47
55-89-0004	2381712	511244	11-66	3	305	15,490	3.91	606	24	10,477	4.64	486	8-71		42	745	-.18	15	35
55-89-0004	2427528	565634	7-66	4	305	13,380	4.51	603	14	9,938	4.74	471	12-71		30	522	-.04	20	32
55-89-0004	2435364	539742	11-67	3	305	14,580	4.66	680	28	11,213	4.56	511	1-72		42	596	.06	34	46
55-89-0004	2515113	577471	9-69	1	305	16,460	4.23	696	30	10,330	4.43	458	12-71		19	586	-.04	23	37
55-89-0041	2505326	573574	10-68	2	305	16,100	4.40	709	9	10,565	4.28	452	1-72		38	484	.04	26	36
55-89-0041	2505332	553667	2-69	1	282	12,860	4.71	606	17	9,810	4.57	448	9-71		36	395	.05	23	31
55-89-0041	2505333	553667	3-69	1	305	13,840	4.49	621	17	9,810	4.57	448	9-71		36	468	.02	24	34
55-91-6006	2212432	556786	5-63	6	294	11,278	5.47	617	54	9,425	4.93	465	6-71		35	321	.11	26	31
55-91-6006	2217278	556786	7-63	4	305	14,813	4.97	736	57	9,140	4.85	443	7-71		33	862	.06	46	64
55-91-6006	2223350	511244	8-63	4	298	14,023	4.48	628	43	9,658	4.85	468	12-71	B	43	691	-.10	21	38
55-91-6006	2442556	552896	12-67	2	302	11,575	4.74	549	52	9,500	4.77	453	8-71		39	596	-.01	26	39
55-91-6006	2442558	552896	12-67	2	297	11,435	4.43	507	50	10,205	4.72	482	12-71	B	39	515	-.04	19	31

TABLE 2. GUERNSEY USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C O	REPT (%)	.......C O W MILK (LB)	I N D E X....... FAT (%)	FAT (LB)	DOL-LARS
55-91-6006	2444250	552896	12-67	2	203	11,675	4.71	550	56	9,825	4.72	464	9-71	B	39	576	-.01	25	$ 38
55-91-6006	2473012	552896	8-68	1	305	11,630	4.88	567	45	9,720	4.67	454	6-71		35	556	.00	26	38
55-91-6006	2473014	552896	8-68	1	305	11,490	4.71	541	45	9,720	4.67	454	6-71		35	545	-.01	24	36
55-91-6006	2473017	552896	9-68	1	305	12,990	4.83	627	45	9,720	4.67	454	6-71		35	660	.00	30	45
55-91-6006	2473022	552896	10-68	1	294	11,730	4.45	522	45	9,490	4.67	443	7-71		35	579	-.03	23	36
55-91-6006	2485772	556637	11-68	1	305	14,170	4.80	680	63	10,490	4.64	487	10-71		32	436	.03	23	32
55-91-6006	2507116	505970	6-69	1	289	14,050	4.07	572	52	11,140	4.62	515	12-71	8	35	701	-.17	14	33
56-02-0005	2441166	548026	10-67	2	305	14,420	4.34	626	17	10,585	4.48	474	9-71		36	585	-.04	23	37
56-02-0005	2458234	550942	1-68	1	305	16,000	4.43	708	15	10,120	4.48	453	3-72		35	610	-.03	25	39
56-04-0029	2532667	575440	12-69	1	305	14,460	4.20	608	16	9,200	4.25	391	8-71		19	492	-.03	20	31
56-05-0006	2112407	549234	7-61	7	302	14,188	4.32	613	25	9,958	4.50	448	11-71		40	774	-.10	25	44
56-05-0006	2316242	539742	5-65	1	305	14,370	4.59	659	43	10,760	4.60	495	10-71		35	487	.04	27	37
56-05-0006	2371787	539742	5-66	4	291	12,785	4.46	570	39	10,620	4.66	495	11-71		43	463	.02	23	33
56-05-0006	2409637	549235	2-67	3	220	14,103	4.05	571	49	10,317	4.48	462	11-71		42	671	-.17	13	31
56-05-0010	2208900	553765	4-63	5	296	13,182	4.47	589	63	9,740	4.61	449	9-70		38	786	-.05	31	49
56-05-0010	2208901	553765	4-63	6	305	14,373	4.44	638	52	10,436	4.56	476	4-72		38	868	-.05	35	55
56-05-0010	2311708	521086	11-64	3	305	12,773	4.52	577	55	8,690	4.68	407	1-71		37	548	-.04	21	34
56-05-0010	2318686	558289	12-64	4	305	15,062	4.30	647	70	10,245	4.60	471	8-71		36	671	-.06	24	40
56-05-0010	2393283	543210	9-66	3	305	15,703	4.34	681	52	10,497	4.53	475	4-72		37	617	-.02	26	40
56-05-0010	2404341	548026	9-66	2	305	13,705	4.32	592	60	9,695	4.59	445	3-71		36	595	-.05	22	36
56-05-0010	2422496	533769	2-67	2	305	14,045	4.34	609	72	9,780	4.59	449	5-71		40	637	-.12	17	33
56-05-0010	2422497	570997	1-67	2	305	14,380	4.38	630	63	10,760	4.55	490	2-72		32	615	-.05	23	37
56-05-0010	2433912	570997	7-67	2	305	12,895	4.48	578	73	9,890	4.61	456	8-71		32	534	-.03	21	33
56-05-0010	2438161	570997	8-67	2	305	13,135	4.50	591	68	10,500	4.59	482	12-71		32	499	-.03	20	32
56-05-0010	2445471	570997	9-67	2	305	12,425	4.35	541	54	8,960	4.69	420	6-71		32	577	-.06	20	34
56-05-0010	2472561	571365	7-68	2	305	13,770	4.26	586	67	10,880	4.53	493	2-72		32	600	-.06	21	35
56-05-0010	2472584	570997	6-68	1	305	15,070	4.20	633	87	9,380	4.63	434	7-71		26	690	-.07	24	41
56-05-0010	2472587	570997	4-68	2	298	13,790	4.29	592	68	10,640	4.56	485	1-72		32	560	-.06	19	33
56-05-0010	2475733	553667	9-68	2	305	14,460	4.25	615	63	10,875	4.52	492	2-72		40	532	.00	24	36
56-05-0011	2208903	553765	5-63	4	305	12,310	4.59	565	43	8,970	4.70	422	10-71		37	747	-.03	31	48
56-05-0011	2398980	570997	1-67	2	305	12,770	4.39	560	49	9,480	4.66	442	3-71		32	563	-.06	20	33
56-05-0011	2445450	570997	11-67	2	305	11,960	4.55	544	44	8,825	4.73	417	4-72		32	537	-.04	21	33
56-05-0011	2472598	571365	5-68	1	305	11,940	4.30	514	45	8,900	4.66	415	4-71		26	530	-.05	19	32
56-25-0018	2313778	565678	3-65	5	304	11,952	4.94	591	33	9,788	4.55	445	3-72		38	422	.09	29	37
56-30-0028	2311479	564746	6-65	4	305	15,865	4.24	673	14	11,213	4.47	501	12-71		30	725	-.06	27	44
56-31-0015	2261145	554100	11-63	6	300	13,943	4.47	623	42	10,705	4.53	485	10-71		36	566	-.03	23	36
56-36-0009	2454397	548026	1-68	2	305	14,140	4.77	674	22	10,980	4.47	491	1-71		36	517	.02	26	37
56-36-0012	2445165	571610	12-67	3	305	15,376	4.51	694	27	11,593	4.42	512	2-72		34	501	.00	23	34
56-36-0012	2506947	553667	8-69	1	305	14,380	4.43	637	31	10,750	4.53	487	5-71		36	445	.02	23	32
56-36-0017	2218277	536994	8-63	6	305	14,688	4.51	663	57	11,637	4.69	546	9-71		43	597	-.08	19	34
56-36-0017	2252553	512193	2-64	5	305	14,252	4.90	698	45	11,572	4.78	553	3-71		41	767	-.05	30	48
56-36-0017	2415880	556020	6-67	3	305	15,837	4.62	731	44	12,430	4.79	596	2-72		42	465	.00	21	31
56-36-0017	2467249	553667	7-68	2	298	15,040	4.59	691	61	11,595	4.75	551	11-71		40	525	.02	26	37
56-36-0017	2472248	553667	1-69	1	305	17,710	4.33	767	45	13,900	4.55	633	1-72		36	482	.00	22	33
56-36-0017	2472252	553667	11-68	1	305	16,020	4.50	721	61	11,520	4.65	536	9-71	H	36	516	.02	26	37
56-36-0017	2472271	553667	8-68	2	295	14,920	4.50	672	64	11,655	4.77	556	10-71		40	507	.01	24	35
56-38-0007	2097220	523698	3-61	3	305	16,017	4.74	759	24	11,840	4.65	551	7-71		33	543	.02	27	39
56-38-0007	2345595	563498	10-65	4	305	15,690	4.47	702	24	11,818	4.74	560	11-71		33	583	-.05	22	36
56-38-0007	2436403	540888	6-67	3	305	14,583	4.64	677	26	11,490	4.67	537	8-71		41	514	.01	25	36
56-38-0007	2448135	572109	12-67	2	305	18,725	4.51	845	37	14,035	4.65	652	1-71		29	642	-.02	27	42
56-38-0007	2448448	539742	2-68	2	305	14,290	4.39	628	33	12,175	4.52	550	9-71		40	434	.03	23	32
56-38-0007	2484016	572109	11-68	1	305	18,500	3.85	713	19	12,750	4.35	555	6-71		23	573	-.09	17	31
56-38-0027	2282165	563116	2-65	3	305	14,913	4.31	643	67	11,083	4.27	473	9-71		33	503	.00	23	34
56-38-0027	2421492	553667	11-67	3	298	15,460	4.16	643	57	11,416	4.15	474	4-72		42	635	.01	30	44
56-38-0039	2346359	526011	12-59	3	305	14,553	4.56	663	62	10,967	4.50	493	4-71		31	538	.01	26	38
56-41-0005	2284873	556020	12-64	5	305	14,234	4.46	635	26	11,232	4.45	500	3-71		44	446	.00	21	31
56-41-0005	2284874	559083	12-64	4	305	14,175	4.56	646	23	11,113	4.47	497	1-72		35	484	.03	25	35
56-41-0005	2436518	570996	11-67	2	305	15,380	4.28	658	21	11,450	4.52	518	5-71		29	556	-.07	18	32
56-41-0005	2451838	553667	7-68	2	305	13,220	4.73	625	28	11,330	4.42	501	1-72		40	364	.07	24	31
56-41-0006	2387048	539742	8-66	3	305	12,333	4.81	593	26	10,407	4.64	483	10-71		42	419	.07	27	35
56-41-0015	2236329	539431	9-62	5	305	13,672	3.99	545	23	9,154	4.57	418	2-71		36	621	-.12	16	32
56-41-0015	2337609	550942	7-65	4	305	14,705	4.37	643	32	10,650	4.44	473	7-71		43	659	-.04	26	41
56-41-0015	2354019	539742	10-65	4	305	12,808	4.76	610	31	10,233	4.40	450	8-71		43	509	.09	33	42
56-41-0015	2457574	539742	5-68	2	302	12,985	5.02	652	34	10,405	4.36	454	7-71		40	463	.12	34	42
56-41-0017	2302974	536994	4-65	4	305	17,260	3.77	650	25	12,205	4.26	520	2-71		42	842	-.18	19	41
56-41-0017	2374108	569554	9-66	2	305	14,965	4.44	664	24	11,375	4.37	497	11-70		29	482	-.01	21	32
56-41-0017	2410216	533769	10-66	2	305	16,665	3.91	652	30	10,930	4.39	480	12-71		40	798	-.17	18	39
56-41-0020	2434655	553667	7-67	2	305	14,755	4.43	654	21	11,675	4.30	502	4-71		40	489	.04	27	37
56-41-0020	2481498	553667	11-68	1	305	15,470	4.32	668	6	11,740	4.31	506	3-72		36	460	.03	24	34
56-41-0027	2171228	550942	9-62	6	305	12,810	4.43	568	27	8,992	4.28	385	1-72		44	629	-.01	28	42
56-42-0010	2338975	539742	12-65	3	305	12,817	4.24	544	16	9,433	4.33	408	7-71		42	577	.02	29	41
56-42-0010	2393465	539742	1-67	4	297	12,628	4.55	575	10	10,390	4.33	450	2-72		43	469	.07	29	38
56-42-0010	2393466	539742	1-67	3	305	11,617	4.55	529	13	9,813	4.39	431	5-71		42	397	.06	25	33
56-42-0037	2176886	523866	1-62	6	305	14,506	4.48	650	46	9,233	4.38	404	12-70		38	841	.01	40	58
56-42-0037	2279364	511244	10-64	5	305	13,326	4.00	533	44	9,552	4.29	410	12-71		44	637	-.13	16	32
56-42-0037	2326941	511244	6-65	5	301	14,714	4.19	617	37	9,970	4.34	433	3-72		44	769	-.11	24	43
56-42-0037	2404691	547319	1-67	3	305	12,513	4.42	553	43	9,383	4.26	400	9-71		38	501	.00	23	34
56-42-0037	2442689	564564	2-66	1	305	16,010	4.20	672	48	9,900	4.28	424	10-71		24	501	-.03	20	32
56-46-0036	2215972	511244	1-63	5	305	14,248	4.35	620	25	9,974	4.43	442	6-71		44	707	-.08	24	41
56-46-0036	2448690	539742	12-66	3	305	13,970	4.19	586	17	10,083	4.42	446	9-71		42	643	.00	30	44
57-16-0007	1791029	518512	2-57	7	302	12,367	4.84	599	19	10,027	4.56	457	5-71		35	413	.06	25	33
57-16-0007	2197689	506243	9-62	6	302	11,675	5.19	606	28	9,988	4.69	468	6-71		44	369	.07	24	31
57-16-0007	2491900	556637	10-68	1	305	13,840	4.52	626	24	9,660	4.68	452	5-71		32	469	.00	22	32
57-16-0007	2510966	552896	5-69	1	305	14,490	4.13	598	21	10,700	4.52	484	2-72		35	707	-.06	26	43
57-16-0007	2510975	552896	9-69	1	305	12,880	4.74	611	14	10,580	4.46	472	3-72		35	592	.01	28	41

TABLE 2. GUERNSEY USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	REGISTRATION COW NUMBER	REGISTRATION SIRE NUMBER	COW BORN MO-YR	COW'S AVERAGE PRODUCTION RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	HERDMATE AVERAGES NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C O	REPT (%)	COW INDEX MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
57-53-0504	2511995	546331	9-68	2	297	16,420	4.32	709	11	13,030	4.66	607	3-72		40	536	-.03	22	$ 34
57-53-0515	2228435	528754	9-63	6	305	14,400	4.63	667	16	11,282	4.87	549	8-71		44	737	.06	40	55
57-53-0515	2261317	528754	3-64	6	303	14,138	4.69	663	21	11,647	4.81	560	2-72		44	660	.07	38	51
57-53-0515	2282111	533769	8-64	5	305	14,176	4.34	615	48	10,804	4.68	506	1-72		44	638	-.13	15	32
57-53-0515	2296218	528754	7-64	5	261	12,206	4.68	571	11	10,824	4.95	536	7-71		44	505	.05	29	39
57-53-0515	2322662	528754	8-65	4	305	14,715	4.93	726	31	12,180	4.89	596	8-71		43	661	.11	42	54
57-53-0515	2358181	528754	4-66	2	305	13,400	5.18	694	26	11,115	4.89	544	10-71		40	581	.13	41	51
57-53-0515	2372982	528754	12-65	3	305	13,113	5.50	721	18	11,563	4.85	561	3-71		42	525	.20	45	53
57-53-0515	2377299	528754	10-66	3	304	13,997	5.16	722	31	11,170	4.97	555	9-71		42	669	.13	45	57
57-53-0515	2411833	539742	12-66	3	305	14,557	4.98	725	36	11,690	4.99	583	10-71		42	543	.07	32	43
57-53-0515	2445212	528754	10-67	2	305	14,730	5.06	745	27	12,565	4.92	618	1-71		40	584	.12	40	50
57-53-0517	2442228	528754	8-67	3	300	14,143	4.86	687	20	11,657	4.68	546	12-71		42	635	.12	42	54
57-53-0517	2495330	475595	6-69	1	305	15,860	4.28	679	43	13,210	4.59	606	1-72		35	541	-.01	24	36
57-53-0531	2279716	538347	10-64	3	305	15,310	4.32	662	17	12,130	4.84	587	10-71		34	566	-.09	17	31
57-53-0531	2348490	539742	10-65	5	304	14,706	4.58	674	10	12,712	4.63	588	12-71		44	478	.04	26	36
57-53-0531	2390198	539742	12-66	3	298	13,410	5.03	675	8	12,347	4.79	592	5-71		42	341	.09	25	31
57-53-0531	2390269	557032	1-66	3	305	15,613	4.53	707	12	11,926	4.81	574	8-71		36	622	-.04	24	39
57-53-0531	2466615	573308	10-68	1	305	16,030	4.35	697	11	11,990	4.90	587	5-71		27	580	-.04	23	36
57-53-0531	2482605	553667	12-68	2	305	17,675	4.45	786	14	13,155	4.75	625	1-72		40	650	-.01	29	43
57-57-0026	2239799	556020	9-63	5	284	12,368	4.97	615	31	9,898	4.46	441	4-71	8	44	360	.09	26	32
57-64-0003	2182484	552197	11-62	7	301	13,705	4.27	585	144	10,410	4.73	492	12-71		35	575	-.09	17	31
57-64-0003	2192484	552197	1-63	6	305	13,780	4.91	677	121	10,403	4.74	493	3-71		35	587	.04	31	43
57-64-0003	2223569	511244	8-63	6	305	15,958	3.94	628	112	10,623	4.67	496	3-72		44	854	-.20	18	41
57-64-0003	2223577	556637	9-63	6	304	12,887	4.74	611	138	10,405	4.71	490	12-71		41	463	.03	24	34
57-64-0003	2270630	533769	8-64	3	300	14,160	4.80	680	161	10,660	4.71	502	9-71		42	610	-.06	22	37
57-64-0003	2286458	536609	3-64	4	305	13,982	4.57	639	162	10,145	4.67	474	10-70		40	508	-.01	22	33
57-64-0003	2340227	533769	11-65	5	302	14,676	4.33	636	144	10,964	4.64	509	12-71		44	684	-.13	18	35
57-64-0003	2345558	546331	8-65	4	305	14,493	4.51	654	134	10,638	4.71	501	4-71		44	635	.00	29	43
57-64-0003	2345559	546331	9-65	4	305	13,483	4.71	635	116	10,953	4.63	507	5-71		44	476	.04	26	36
57-64-0003	2345562	528754	11-65	4	302	12,313	4.78	589	170	10,483	4.75	498	8-71		43	552	.10	36	46
57-64-0003	2364835	533769	5-66	3	305	14,147	4.50	636	162	10,700	4.70	503	10-71		42	604	-.10	17	32
57-64-0003	2364841	555217	5-66	4	303	13,160	5.05	665	154	10,647	4.66	496	4-72		41	394	.08	27	34
57-64-0003	2375477	539742	9-66	3	305	14,200	4.48	636	127	11,387	4.60	524	8-71		42	533	.02	27	38
57-64-0003	2407904	475548	1-67	3	305	14,900	4.81	717	176	11,013	4.62	509	1-72		42	584	.08	35	46
57-64-0003	2420659	572282	4-67	2	304	14,980	4.96	743	150	11,510	4.60	530	1-71		29	408	.08	27	35
57-64-0003	2420665	556637	3-67	2	298	14,250	5.12	730	127	11,745	4.61	541	2-71		36	417	.08	28	36
57-64-0003	2439991	556637	11-67	2	305	14,515	4.71	684	111	11,645	4.57	532	5-71		36	455	.03	24	33
57-64-0003	2439997	552197	9-67	2	305	15,440	4.44	685	162	11,530	4.53	522	1-72		29	563	-.03	23	36
57-64-0003	2440001	571359	9-67	2	305	15,455	4.11	635	108	11,630	4.56	530	5-71		29	556	-.07	18	32
57-64-0003	2440004	556637	9-67	2	305	14,495	4.92	713	140	11,315	4.58	518	5-71		36	484	.06	29	38
57-64-0003	2440018	571359	8-67	2	305	14,745	5.15	760	140	11,665	4.53	529	12-71		29	466	.11	33	41
57-64-0003	2459025	553667	7-68	2	296	15,125	4.98	753	137	11,495	4.51	518	1-72		40	543	.09	35	45
57-64-0003	2468854	526294	7-66	4	305	13,740	4.71	647	187	10,680	4.71	503	11-71		43	528	-.03	21	33
57-64-0003	2471946	553667	9-68	2	305	13,935	4.98	694	170	10,800	4.63	500	11-71		40	485	.08	31	40
57-64-0003	2473427	546331	8-68	1	305	16,600	4.08	677	151	11,640	4.43	516	2-72		36	553	-.02	23	36
57-64-0003	2475070	553667	7-68	1	305	15,880	4.09	650	109	11,240	4.56	512	5-71		36	524	-.02	22	34
57-64-0003	2498172	546331	3-69	1	305	15,700	4.19	658	132	10,820	4.66	504	7-71		36	541	-.03	22	34
57-64-0003	2500250	546331	2-69	1	305	13,620	5.12	698	161	10,760	4.65	500	9-71		36	390	.07	25	32
57-64-0003	2517795	553667	10-69	1	305	16,760	4.56	765	156	11,360	4.47	508	12-71		36	582	.04	31	43
58-01-0054	2165386	526069	8-62	5	294	13,218	4.40	582	32	9,988	4.47	446	4-71		35	502	-.01	22	33
58-01-0054	2214251	506243	3-63	6	305	13,673	4.35	595	37	10,862	4.47	486	3-71		44	527	-.04	20	32
58-01-0054	2350474	533769	10-65	5	292	13,708	4.30	590	47	9,346	4.48	419	9-71		44	747	-.12	22	41
58-01-0055	2476163	546626	8-68	2	305	14,620	4.27	624	23	10,490	4.31	452	8-71		40	468	.01	23	33
58-01-0055	2498498	571033	2-68	1	305	16,320	4.06	662	7	10,650	4.34	462	5-71		19	545	-.06	19	32
58-01-0055	2503572	553667	9-69	1	305	15,490	4.47	692	39	11,680	4.40	514	10-71		36	465	.03	25	35
58-01-0055	2504572	536475	3-69	1	305	16,440	4.37	718	30	11,480	4.41	506	12-71		35	481	.02	24	34
58-01-0055	2505086	573308	5-69	1	305	13,640	4.46	609	18	11,420	4.39	501	2-72		27	419	.03	22	31
58-03-0001	2233978	550942	10-63	3	305	11,533	4.47	515	241	7,907	4.30	340	1-72		42	548	-.01	24	36
58-03-0001	2403904	533769	1-67	2	304	13,445	3.93	529	276	7,925	4.30	341	9-71		40	746	-.14	19	38
58-03-0001	2433034	570528	11-67	1	305	13,670	4.29	587	395	7,930	4.38	347	10-71		23	588	-.04	23	37
58-03-0001	2433054	570528	11-67	2	305	12,230	4.10	501	346	8,175	4.28	350	2-72		29	549	-.05	20	33
58-03-0001	2434132	550942	10-67	2	305	11,040	4.50	497	292	7,585	4.35	330	8-71		40	483	-.01	21	32
58-05-0006	2004509	473982	2-60	4	305	15,673	4.33	678	70	11,540	4.42	510	3-71		42	792	-.05	31	49
58-05-0006	2157258	538680	2-62	7	304	14,961	4.53	678	102	11,447	4.28	490	1-72		36	523	.04	28	39
58-05-0006	2222468	548224	8-63	4	305	17,825	3.51	626	82	11,540	4.17	481	1-71		33	918	-.21	19	43
58-05-0006	2284212	556896	10-64	4	305	15,572	4.44	692	79	11,907	4.19	499	3-72		34	626	.04	33	46
58-05-0006	2286665	533769	10-64	6	290	16,030	3.94	632	59	11,692	4.26	498	3-72		44	774	-.15	19	39
58-05-0006	2372358	556896	7-66	3	305	14,413	4.20	605	85	11,690	4.16	486	12-71		32	461	.00	21	31
58-05-0006	2394671	556896	10-66	2	305	14,850	4.40	653	96	11,700	4.06	475	5-71		29	470	.04	26	36
58-05-0006	2417781	565403	4-67	2	305	15,465	4.27	661	110	11,695	4.18	489	9-71		29	469	-.01	21	31
58-05-0006	2457182	542759	5-68	2	305	16,555	4.16	688	70	11,245	4.22	475	11-71		29	682	-.05	26	42
58-05-0006	2482791	542759	12-68	2	305	16,480	3.94	650	79	11,770	4.19	493	1-72		29	617	-.09	19	34
58-05-0006	2539320	573661	8-68	1	305	15,430	4.48	691	107	11,430	4.14	473	8-71		24	468	-.01	21	31
58-05-0028	2465317	552896	8-68	2	292	11,770	4.42	520	88	9,385	4.53	425	11-71		39	626	-.03	26	40
58-05-0028	2465318	552896	8-68	1	305	11,960	4.63	554	101	9,420	4.43	417	3-71		35	601	-.01	27	40
58-05-0028	2465319	552896	12-68	1	305	11,170	4.71	526	112	8,650	4.43	383	5-71		35	594	.01	28	41
58-05-0028	2465323	552896	11-68	1	305	12,210	4.28	523	101	9,420	4.43	417	3-71		35	621	-.03	25	39
58-05-0028	2465324	552896	10-68	1	305	14,080	4.56	642	108	8,970	4.41	396	4-71		35	795	-.01	36	54
58-05-0028	2480681	552896	3-69	1	279	14,780	4.03	595	116	9,770	4.45	435	2-71		35	793	-.07	29	48
58-05-0028	2480683	552896	2-69	1	305	14,020	3.97	556	50	9,460	4.52	428	12-71		35	756	-.07	27	45
58-05-0028	2480689	552896	3-69	1	305	12,680	4.38	556	103	8,100	4.49	364	7-71		35	747	-.03	31	48
58-05-0028	2480690	552896	3-69	1	297	12,670	4.45	564	108	8,230	4.54	374	8-71		35	738	-.03	31	48
58-05-0028	2497197	552896	5-69	1	305	11,450	4.29	491	78	8,870	4.53	402	10-71		35	600	-.03	24	38
58-05-0028	2497202	552896	3-69	1	305	11,120	4.69	522	78	8,870	4.53	402	10-71		35	575	.00	26	39
58-05-0028	2500961	552896	6-69	1	305	12,410	4.14	514	67	9,080	4.56	414	11-71		35	659	-.05	25	40

TABLE 2. GUERNSEY USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C O	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
58-07-0006	2359911	562340	7-65	4	303	16,640	4.05	674	74	11,237	4.24	476	2-72		33	860	-.08	31	$ 51
58-07-0006	2453143	573421	9-67	1	305	17,520	3.70	648	88	11,580	4.19	485	12-70		23	639	-.12	17	33
58-07-0006	2476685	562340	7-68	1	305	17,890	3.82	683	40	11,530	4.21	485	5-71		23	654	-.09	20	36
58-07-0006	2528154	573421	12-68	1	305	17,440	3.94	688	34	12,070	4.23	510	3-72		23	592	-.08	19	34
58-07-0006	2528249	573421	1-68	1	305	16,400	3.98	652	105	11,110	4.21	468	11-70		23	576	-.07	19	33
61-09-0028	2445786	552896	12-67	1	305	12,130	4.34	527	21	10,730	4.49	482	12-71		35	524	-.03	21	33
61-09-0028	2457975	557482	12-66	4	305	14,070	4.47	629	11	11,202	4.53	507	4-72		42	536	-.05	19	32
61-09-0028	2473524	557482	12-67	3	301	15,983	3.70	591	11	11,143	4.51	502	2-72		41	742	-.19	14	34
61-09-0028	2510074	537680	3-69	1	305	12,940	4.49	581	22	10,480	4.45	466	8-71		35	458	.01	22	32
61-13-0007	2450740	557482	7-67	3	305	14,363	4.05	581	10	9,666	4.43	428	2-72		41	708	-.11	21	39
61-13-0017	2443151	557482	10-67	3	305	17,200	4.68	805	8	11,916	4.65	554	2-72		41	803	-.03	34	52
61-24-0026	2451582	537680	12-67	1	305	12,920	4.13	534	10	9,540	4.34	414	1-71		35	520	-.02	22	34
61-24-0144	2366820	528754	10-64	4	305	11,860	5.26	624	12	10,298	4.67	481	3-72		43	517	.17	42	50
61-24-0144	2448418	539742	1-68	1	305	12,380	4.26	528	16	9,540	4.54	433	1-71		35	420	.03	22	31
61-24-0144	2471939	553667	8-68	1	305	13,440	4.52	607	11	9,450	4.42	418	4-71		36	462	.04	25	34
61-25-0003	2249504	537680	2-64	5	305	11,652	5.08	592	32	10,144	4.61	468	3-71		44	433	.08	28	36
61-25-0003	2274962	537680	7-64	6	305	13,100	4.35	570	31	10,685	4.61	493	12-71		44	559	-.04	22	35
61-25-0003	2417509	557482	9-67	1	305	18,270	3.59	656	19	11,030	4.50	496	10-71		35	742	-.17	16	36
61-30-0004	2167660	505384	8-62	3	302	14,940	4.89	730	22	10,843	4.75	515	6-71		42	674	-.05	26	42
61-30-0004	2235869	549343	11-63	2	305	17,235	4.53	781	25	12,520	4.66	583	8-71		31	507	-.02	21	33
61-30-0004	2271396	549235	9-64	3	305	20,547	4.71	968	16	11,190	4.83	540	7-71		42	1,322	-.09	51	82
61-30-0004	2282243	528754	9-64	2	305	13,360	5.51	736	24	12,275	4.58	562	8-71		40	471	.21	44	50
61-30-0004	2291835	557482	3-65	4	305	16,710	4.87	813	11	11,657	4.72	550	3-72		42	817	.00	38	56
61-30-0004	2307873	558740	9-64	5	305	14,292	5.06	723	14	11,190	4.99	558	9-71		41	561	.08	34	45
61-30-0004	2374225	568384	9-66	3	305	16,783	4.36	731	20	11,693	4.65	544	6-71		32	718	-.06	27	44
61-30-0004	2410315	546331	6-67	2	305	16,820	4.64	780	16	12,610	4.48	565	4-71		40	615	.04	33	46
61-30-0004	2445677	563191	1-68	2	305	14,560	5.30	771	22	11,390	4.79	546	10-71		25	419	.10	30	37
61-30-0004	2466102	567336	8-66	2	305	14,365	4.40	632	26	10,900	4.77	520	7-71		30	623	-.07	21	36
61-30-0004	2473659	562683	10-68	1	305	13,300	5.50	732	30	10,930	4.68	511	7-71		28	349	.16	33	38
61-30-0032	2311811	561796	1-65	4	305	14,743	3.94	581	11	10,010	4.60	460	2-72		35	635	-.10	19	35
61-41-0037	2527800	552896	1-69	1	287	15,930	4.20	669	5	10,720	4.26	457	8-71		35	816	-.04	33	52
61-55-0027	2452336	553667	1-68	2	305	14,425	4.67	674	5	11,940	4.63	553	4-71		40	431	.04	24	33
61-60-0077	2401221	537680	3-67	3	298	11,363	4.98	566	5	9,833	4.76	468	11-71		42	420	.04	24	32
61-63-0057	2445889	558583	7-67	3	248	13,556	4.87	660	5	10,713	4.58	491	12-71		34	401	.06	25	33
61-63-0057	2510885	557482	5-69	1	305	18,510	4.45	823	9	12,940	4.69	607	9-71		35	629	-.07	21	36
61-90-0001	2449019	557482	1-68	1	305	14,810	4.04	599	5	9,870	4.15	410	2-72		35	557	-.08	17	31
63-03-1024	1954236	459489	1-59	10	297	13,296	4.77	634	12	9,323	4.70	438	11-71		44	591	.04	31	43
63-05-0016	2260531	528754	11-63	5	303	14,054	5.02	706	23	10,476	4.83	506	2-72		44	787	.14	51	66
63-05-0016	2417959	556637	10-67	2	305	14,690	4.38	644	13	10,680	4.75	507	3-71		36	567	-.03	23	36
63-05-0016	2485826	553667	5-69	1	274	13,190	4.28	565	34	9,200	4.76	438	6-71		36	460	.00	21	31
63-05-0027	2380190	548026	10-66	4	285	12,477	4.61	575	47	10,275	4.46	458	2-72		40	447	.00	21	31
63-08-0011	2222657	550942	8-63	4	301	11,605	4.56	529	48	8,873	4.41	391	9-71		43	473	-.01	21	32
63-08-0011	2334886	550942	2-65	3	305	12,647	4.58	579	24	9,470	4.41	418	8-71		42	514	.00	24	35
63-08-0011	2353803	549234	11-65	3	305	13,480	4.34	585	39	10,033	4.38	439	2-72		38	626	-.07	21	36
63-08-0011	2358764	566084	11-64	5	305	12,854	4.23	544	35	9,560	4.37	418	12-71		32	515	-.04	20	32
63-08-0011	2381029	549234	5-66	2	305	14,035	4.03	565	48	10,100	4.35	439	1-71		35	635	-.12	16	32
63-08-0011	2473555	558237	8-68	2	305	14,965	4.27	639	41	10,120	4.44	449	11-71		39	742	-.13	20	39
63-12-0016	2175502	496783	10-62	7	305	13,527	5.24	709	15	11,561	4.57	528	7-71		44	370	.15	33	38
63-12-0016	2240760	529773	11-63	6	305	14,867	5.00	743	14	11,860	4.54	539	4-72		44	476	.13	36	44
63-12-0016	2475351	546331	8-68	2	305	15,870	4.37	694	11	13,465	4.23	570	1-72		40	440	.03	23	32
63-17-0002	2127832	543798	2-62	7	305	11,910	4.79	571	19	9,228	4.41	407	2-71		36	437	.06	26	35
63-17-0002	2315125	560022	4-65	5	303	12,260	4.52	554	24	9,496	4.37	415	6-71		35	462	.02	23	33
63-17-0002	2378423	537680	7-66	4	296	14,740	4.03	594	17	11,095	4.25	472	3-72		43	705	-.05	27	44
63-17-0002	2409713	550942	2-67	3	305	16,830	3.83	644	20	11,683	4.24	495	4-72		42	769	-.12	23	42
63-17-0007	2478454	574810	1-69	1	305	12,440	3.98	495	7	8,280	4.48	371	4-71		23	573	-.07	19	33
63-17-0007	2488444	574810	11-68	1	305	13,950	4.10	572	10	8,030	4.57	367	5-71		23	731	-.07	26	43
63-17-0007	2488445	574810	11-68	1	305	11,780	4.29	505	8	7,930	4.60	365	7-71		23	542	-.05	20	33
63-17-0007	2488448	574810	11-68	1	305	11,310	4.21	476	14	7,950	4.42	351	3-71		23	498	-.04	19	31
63-17-0007	2500777	560183	5-69	2	304	13,595	4.45	605	16	8,360	4.43	370	2-72		38	540	.03	28	39
63-17-0007	2518593	574810	8-69	1	305	12,210	5.35	653	8	7,930	4.60	365	7-71		23	581	.06	33	45
63-20-0001	2435685	556020	8-67	1	305	15,400	4.45	685	50	9,200	4.53	417	1-71		35	507	.01	24	35
63-23-0016	2255758	558947	8-63	5	304	14,962	4.13	618	77	10,148	4.52	459	9-71		43	704	-.05	27	43
63-23-0016	2255773	558947	8-63	4	305	13,362	4.67	624	70	10,450	4.50	470	9-70		42	439	.05	25	34
63-23-0016	2255801	558947	4-64	4	305	16,582	4.81	798	55	10,700	4.50	481	2-71		42	819	.08	46	63
63-23-0016	2255819	558947	12-63	5	289	13,294	4.93	655	68	10,234	4.54	465	11-71		43	472	.09	31	40
63-23-0016	2275806	549235	5-64	4	304	14,983	3.86	578	57	10,520	4.57	481	3-71		44	784	-.21	13	34
63-23-0016	2335785	558947	1-65	5	305	15,380	4.38	673	66	10,292	4.46	459	9-71		43	743	.00	34	50
63-23-0016	2343824	558947	3-65	5	298	13,488	4.58	618	47	10,252	4.49	460	2-72		43	496	.04	27	37
63-23-0016	2343832	558947	5-65	3	305	13,093	4.70	616	69	10,040	4.45	447	9-71		41	427	.06	26	34
63-23-0016	2371363	558947	10-65	4	305	18,192	4.78	869	72	9,712	4.50	437	10-71		42	1,137	.07	60	84
63-23-0016	2404563	541009	8-66	4	274	14,493	4.27	619	42	10,535	4.49	473	2-72		43	459	.00	21	31
63-23-0016	2404571	571238	8-66	3	305	14,903	3.84	573	62	10,263	4.52	464	1-71		29	665	-.14	16	33
63-23-0016	2409200	547459	10-66	4	300	13,527	4.43	599	73	10,107	4.54	459	11-71		39	545	-.03	22	35
63-23-0016	2410312	570829	7-67	2	305	19,065	4.56	869	40	10,325	4.48	463	2-72		25	1,110	.01	52	76
63-23-0016	2434437	533774	7-67	1	305	17,110	4.13	706	70	9,750	4.58	447	11-71		35	663	-.15	15	32
63-23-0016	2439846	541009	7-67	2	305	17,185	5.08	873	91	9,820	4.51	443	9-71		40	706	.13	46	59
63-23-0016	2442037	558947	3-68	2	305	13,775	4.73	651	61	10,190	4.48	457	1-72		38	444	.06	27	36
63-23-0016	2481055	558947	7-68	1	305	18,250	4.53	827	73	10,010	4.52	452	11-70		34	706	.03	36	51
63-23-0016	2485198	558740	9-68	2	305	15,130	4.63	700	57	10,225	4.50	460	1-72		36	660	.06	37	50
63-23-0016	2491583	566933	7-68	1	305	15,180	4.09	621	64	9,320	4.52	421	6-71		19	550	-.06	19	32
63-23-0016	2491737	553667	10-68	1	305	13,850	4.53	627	59	9,340	4.50	420	6-71		36	500	.03	26	36
63-23-0031	2492579	553667	1-69	1	305	15,200	4.30	654	10	10,270	4.72	485	7-71		36	538	-.01	24	36
63-27-0005	2151806	527554	12-61	7	284	14,360	4.51	647	12	9,810	4.68	459	8-71		34	770	-.03	32	50
63-41-0011	2329863	537574	5-62	2	305	12,505	4.47	559	24	9,685	4.25	412	3-71		30	472	-.02	20	31
63-41-0011	2329877	537574	4-63	3	305	14,217	3.73	530	27	10,403	4.28	445	3-72		33	650	-.15	14	31

TABLE 2. GUERNSEY USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C O	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
63-41-0011	2537244	556020	11-67	1	305	16,770	4.82	809	18	10,310	4.22	435	7-71		35	535	.07	32	$ 42
63-51-0003	2244684	549235	1-64	4	305	15,518	4.55	706	24	12,525	4.61	578	1-71		44	627	-.10	18	34
63-51-0003	2385099	549235	1-67	3	305	17,480	4.28	748	19	12,237	4.48	548	2-72		42	861	-.13	25	47
63-51-0003	2385580	557737	7-66	3	305	14,776	4.24	627	19	11,330	4.62	524	2-71		38	601	-.11	16	31
63-51-0003	2434163	557737	3-67	3	305	14,560	4.26	620	29	11,163	4.58	511	9-71		38	592	-.10	17	32
64-19-0101	2461475	563184	11-66	1	305	11,540	4.88	563	29	6,520	4.69	306	7-71		24	512	.03	27	38
64-19-0101	2532593	576003	9-69	1	305	13,120	4.59	602	30	7,660	4.65	356	12-71		19	497	.00	23	34
64-25-0102	2435077	533769	1-68	2	305	18,150	4.19	761	13	11,085	4.47	495	1-72		40	935	-.14	28	51
64-25-0114	2493073	568834	11-68	2	302	11,985	4.62	554	8	8,915	4.21	375	11-71		30	445	.03	24	33
64-37-0101	2517987	570124	5-68	1	299	13,130	4.92	646	9	8,360	4.83	404	11-71		19	438	.03	23	32
64-44-0111	2026023	528837	4-60	4	305	13,050	5.07	662	14	10,538	4.83	509	10-71		35	388	.05	23	31
64-44-0111	2343779	511244	6-65	5	291	13,192	4.84	639	13	10,646	4.69	499	3-72		44	491	-.02	20	31
64-44-0111	2401134	511244	8-66	2	305	14,125	4.97	702	16	10,655	4.72	503	7-71		40	522	-.02	22	34
64-44-0111	2401140	572363	10-66	4	301	15,007	4.71	707	9	10,575	4.71	498	12-71		35	660	.02	33	47
65-02-0009	2299739	559658	10-64	2	305	13,280	4.25	564	26	9,075	4.25	386	3-71		29	617	-.03	25	39
65-02-0009	2346344	553900	8-65	3	305	13,137	4.42	580	40	8,893	4.40	391	3-71		33	498	-.01	22	33
65-02-0021	2278212	505384	9-64	3	305	13,043	4.12	537	23	9,213	4.34	400	4-71		42	624	-.12	16	32
65-02-0021	2320532	501586	3-65	4	305	11,710	4.37	512	22	9,155	4.43	406	1-72		42	553	-.03	22	35
65-03-0017	2130042	546626	8-61	8	305	15,285	4.55	696	39	11,453	4.41	505	1-72		44	557	.04	30	41
65-03-0017	2312383	496783	3-64	5	297	15,958	3.90	622	46	11,506	4.45	512	1-72		44	690	-.08	23	40
65-03-0017	2371937	496783	2-66	4	305	14,648	4.45	652	62	11,668	4.45	519	9-71		44	486	.02	25	35
65-03-0017	2371961	550942	6-65	3	282	18,843	4.12	777	32	12,767	4.39	560	1-71	H	42	890	-.08	32	53
65-03-0017	2389002	553764	4-66	1	305	18,300	4.01	734	33	12,890	4.62	595	3-72		25	822	-.11	26	46
65-03-0017	2407694	546626	8-66	4	304	18,773	3.85	723	39	11,778	4.39	517	10-71		43	933	-.11	31	54
65-03-0017	2407705	546626	4-67	3	305	13,917	4.99	694	45	11,693	4.42	517	9-71		42	319	.12	27	32
65-03-0017	2524731	505970	8-69	1	305	16,350	3.77	617	64	11,410	4.52	516	9-71		35	856	-.21	17	40
65-03-0017	2526252	552896	12-69	1	305	14,180	4.71	668	52	12,580	4.58	576	1-72		35	554	.00	25	37
65-03-0231	2244359	550942	9-63	6	303	16,257	4.10	666	22	12,333	4.71	581	10-71		44	686	-.14	17	35
65-03-0231	2279343	539419	8-64	4	305	18,215	3.72	677	15	12,767	4.64	593	11-70		43	828	-.24	12	35
65-04-0033	2494267	573943	9-67	2	305	13,135	4.75	624	6	9,110	4.60	419	4-71		25	498	.03	26	36
65-11-0032	2305485	557626	12-64	2	305	16,190	3.85	624	46	8,400	4.24	356	12-71		32	1,002	-.10	35	59
65-18-0022	2461006	546331	8-67	2	305	12,680	4.71	597	30	9,765	4.51	440	12-71		40	454	.04	25	34
65-18-0022	2496298	552896	1-69	1	305	12,990	4.36	566	23	9,720	4.45	433	7-71		35	660	-.03	27	42
65-18-0022	2555440	552896	11-68	1	305	11,960	4.94	591	17	9,910	4.38	434	6-71		35	568	.03	29	41
65-19-0106	2469730	549588	8-68	2	305	16,745	3.95	661	34	12,140	4.30	522	1-72		40	561	-.08	17	31
65-30-0002	2412044	540203	9-66	3	305	13,893	4.64	645	8	10,073	4.60	463	7-71		38	517	.01	25	36
65-33-0001	2222925	555991	8-63	4	288	14,285	4.15	593	110	10,580	4.66	493	2-71		34	670	-.10	20	37
65-33-0001	2222929	555991	8-63	5	303	12,982	4.72	613	97	10.652	4.65	495	10-70		35	486	.02	24	34
65-33-0001	2328281	555991	7-65	3	305	15,320	4.21	645	131	11,026	4.69	517	12-70		32	723	-.10	23	41
65-33-0001	2351652	555991	9-65	3	305	15,063	4.65	700	109	10,883	4.72	514	11-70		32	705	-.01	31	47
71-02-0008	2408402	556020	4-67	3	301	13,847	4.95	685	17	9,873	4.93	487	8-71		42	501	.04	27	37
71-02-0047	2304941	562097	10-64	1	305	15,690	4.46	699	15	9,620	4.39	422	12-71		19	573	.00	26	39
71-07-0003	2132208	550287	4-61	5	270	12,908	4.15	536	33	9.016	4.31	389	1-72		35	745	-.05	29	46
71-07-0003	2438185	571874	9-67	2	192	12,065	4.45	537	37	9,095	4.11	374	4-71		29	449	.00	21	31
71-07-0003	2515147	558947	7-69	1	305	17,390	4.30	747	38	10,420	4.17	435	11-71		34	612	.03	31	44
71-07-0010	2295165	561515	10-64	4	305	14,095	4.24	598	8	10,928	4.25	464	4-72		30	495	-.02	21	32
71-07-0010	2312704	564586	3-65	3	305	14,587	4.39	641	8	10,700	4.10	439	6-71		29	564	.03	29	41
72-17-0006	2141727	545581	1-62	6	304	15,193	4.34	659	51	10,988	4.40	483	3-72		36	699	-.07	25	42
72-17-0006	2262729	540203	1-64	5	305	13,942	4.04	563	54	10.216	4.42	452	10-71		41	560	-.08	17	31
72-17-0006	2283542	540888	8-64	4	305	12,650	4.82	610	49	10,178	4.47	455	1-72		42	446	.06	27	36
72-17-0006	2323943	540888	1-65	4	305	13,520	4.27	577	53	10,305	4.33	446	4-71		42	541	-.01	24	36
72-17-0006	2340205	565655	2-65	5	305	13,456	4.35	585	62	9,742	4.50	438	1-72		36	581	-.04	22	36
72-17-0006	2382413	546331	9-66	3	296	14,520	4.26	619	55	9,457	4.57	432	9-71		42	732	-.03	31	48
72-17-0006	2414037	546331	4-67	2	305	14,570	4.58	667	58	10,815	4.52	489	9-71		40	550	.03	28	40
72-17-0006	2427126	540888	7-67	2	305	14,375	4.17	600	51	10,640	4.30	458	4-71		39	534	-.02	23	35
72-17-0006	2457629	546331	2-68	2	302	13,535	4.27	578	53	9.825	4.59	451	10-71		40	536	-.02	23	35
72-17-0006	2476672	533769	10-68	1	305	15,830	4.12	652	45	10,760	4.30	463	5-71		36	603	-.12	15	31
72-17-0006	2493380	553653	4-69	1	305	16,180	4.07	659	64	10,880	4.49	489	7-71		26	658	-.07	23	39
72-34-6115	2283866	540888	8-64	5	305	14,328	4.30	616	115	10,234	4.49	460	1-71		43	672	-.03	28	43
72-37-0001	2243799	536120	12-63	5	302	12,934	4.15	537	127	9,240	4.52	418	12-71		39	675	-.13	17	34
72-37-0001	2264640	533769	5-64	5	301	13,534	4.10	555	112	9,504	4.49	427	9-71		44	706	-.14	17	35
72-37-0001	2340099	496783	8-65	4	302	11,933	4.73	565	99	9,423	4.44	418	7-71		44	400	.07	26	33
72-37-0001	2340108	533769	9-65	4	305	13,835	4.06	562	118	9,965	4.45	443	3-71		44	672	-.15	15	33
72-37-0001	2340124	546626	11-65	4	305	13,645	4.76	650	136	9,783	4.49	439	10-71		43	518	.07	31	41
72-37-0001	2394164	564274	11-66	3	305	14,166	4.73	670	126	10,140	4.44	450	3-72		34	428	.05	25	33
72-37-0001	2394190	562452	1-67	3	297	14,583	4.37	637	132	10,153	4.42	449	2-71		32	582	-.02	25	38
72-37-0001	2394194	536120	1-67	3	305	14,380	3.92	563	142	9,826	4.45	437	1-72		36	742	-.17	16	36
72-37-0001	2429310	540888	1-68	2	305	11,990	4.75	569	122	9,350	4.49	420	9-71		39	407	.04	23	31
72-37-0001	2429355	540888	9-67	3	305	12,470	4.87	607	151	9,857	4.48	442	12-71		41	439	.06	27	35
72-37-0001	2478773	546331	3-69	1	305	13,350	4.56	609	100	9,670	4.42	427	5-71		36	443	.03	24	33
72-40-0110	2343138	540888	11-65	3	302	15,670	4.13	647	74	10,030	4.26	427	7-71		41	795	-.03	33	51
72-40-0110	2359517	528424	3-66	3	298	14,077	3.96	557	93	10,263	4.25	436	8-71		42	608	-.07	21	36
72-40-0110	2359521	540888	3-66	3	303	13,163	4.28	564	49	10,457	4.25	444	4-71		41	457	.01	22	32
72-40-0110	2384555	540888	9-66	2	305	13,860	4.41	611	49	10,780	4.19	452	3-71		39	467	.03	25	35
72-40-0110	2389426	496783	11-66	3	303	15,200	3.98	605	53	10,653	4.26	454	4-71		42	630	-.03	26	40
72-40-0110	2393680	568538	8-66	3	305	12,590	4.37	550	110	10,033	4.30	431	9-71		35	450	.00	21	31
72-40-0110	2430787	496783	9-67	3	305	13,887	4.06	564	65	10,530	4.22	444	2-72		42	492	-.01	22	33
72-40-0110	2430822	528424	10-67	3	304	13,337	4.09	545	92	10,283	4.30	442	10-71		42	520	-.05	19	31
72-40-6126	2172757	541496	9-62	6	265	13,073	4.64	606	35	8,733	4.82	421	1-72	A	36	739	-.02	32	49
72-40-6126	2195742	558315	1-63	5	301	13,746	4.55	625	34	9,008	4.77	430	3-71		33	772	-.02	33	50
72-46-0003	2449062	528424	8-67	2	305	11,725	4.38	513	33	8,530	4.41	376	6-71		40	477	-.02	20	31
72-46-0028	2306646	529773	8-64	4	286	12,220	4.93	602	38	9,938	4.37	434	10-71		43	344	.13	29	34
72-46-0028	2306648	540888	11-64	4	283	14,255	4.03	574	22	10,868	4.33	471	12-71		42	570	-.05	21	34
72-46-0028	2426040	512974	5-67	3	305	14,447	4.93	712	29	10,847	4.32	469	1-72		42	450	.04	25	34
73-03-0003	2182701	511404	9-62	6	305	14,801	4.05	600	64	10,463	4.42	462	3-72		38	646	-.10	19	35

TABLE 2. GUERNSEY USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C D	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
73-03-0003	2194013	553653	2-62	8	305	12,565	4.49	564	67	10,251	4.31	442	4-72		37	505	.01	24	$ 35
73-03-0003	2349033	553653	8-65	4	303	13,025	4.45	579	77	10,722	4.41	473	3-72		36	501	-.01	22	33
73-03-0003	2425412	553653	11-66	3	302	12,976	4.45	577	77	9,490	4.63	439	3-72		34	622	-.03	25	39
73-03-0003	2425432	553653	2-67	3	305	11,956	4.52	541	64	9,653	4.43	428	5-71		34	469	-.01	21	31
73-03-0003	2425435	568538	9-66	3	305	14,216	4.34	617	95	10,610	4.49	476	1-71		35	594	-.02	25	38
73-03-0003	2429775	568538	10-66	4	304	14,907	4.41	658	97	10,967	4.45	488	2-72		37	677	-.01	30	45
73-03-0003	2452850	568538	1-68	2	305	15,235	4.65	709	68	11,000	4.37	481	4-72		32	621	.04	33	46
73-03-0003	2452871	568538	9-67	2	305	12,950	4.74	614	88	10,400	4.53	471	3-71		32	420	.03	23	32
73-03-0003	2481834	553653	9-68	1	138	13,370	4.91	656	65	10,180	4.63	471	1-71	B	26	470	.02	24	34
73-03-0003	2481838	553653	9-68	2	305	12,360	4.71	582	102	9,935	4.60	457	11-71		32	457	.01	22	32
73-03-0003	2493351	553653	11-68	1	305	14,030	4.50	632	62	10,960	4.53	497	2-71		26	466	-.01	20	31
73-03-0003	2493369	553653	12-68	1	305	15,180	4.29	651	62	10,840	4.52	490	5-71		26	575	-.04	22	35
73-03-0003	2493375	553653	1-69	1	305	16,580	3.80	630	86	10,250	4.61	473	7-71		26	742	-.12	21	40
73-03-0003	2515832	569318	9-69	1	305	15,400	4.53	698	132	10,600	4.63	491	10-71		24	461	.00	21	31
73-03-0003	2515847	575978	11-69	1	305	15,060	4.54	684	128	10,710	4.64	497	11-71		23	501	-.02	21	32
73-03-0003	2515849	553653	11-69	1	305	15,530	4.21	654	106	11,290	4.58	517	12-71		26	570	-.06	20	34
73-09-0035	2197741	511244	9-62	5	255	18,010	4.63	833	7	12,144	4.55	552	7-71		44	943	-.04	39	61
73-09-0035	2286870	553653	10-63	5	284	13,578	4.27	580	45	11,378	4.30	489	10-71	B	37	505	-.03	20	32
73-09-0035	2376698	547765	5-66	2	293	14,915	4.63	690	10	12,440	4.35	541	8-71	B	38	332	.09	25	31
73-09-0035	2488851	569223	9-68	2	278	17,950	4.26	764	14	11,350	4.28	486	8-71	B	33	945	-.04	39	61
73-09-0035	2512112	558237	8-69	1	151	20,850	3.98	829	13	14,630	4.30	629	12-71	B	35	766	-.18	16	36
73-37-0033	2387432	546626	1-67	3	288	14,247	4.46	636	17	10,733	4.63	497	4-71		42	458	.01	22	32
73-37-0033	2414473	568366	5-67	3	218	13,947	4.13	576	13	10,040	4.41	443	4-72	B	29	557	-.06	19	32
73-37-0033	2462175	572192	4-68	2	305	12,120	4.99	605	14	9,100	4.79	436	12-71		30	410	.07	26	34
73-55-0012	2409255	549235	7-66	2	266	14,745	4.18	616	43	9,070	4.18	379	3-71	B	40	807	-.12	24	44
73-55-0012	2433805	511244	8-67	2	281	14,685	3.85	566	26	9,380	4.32	405	2-71	B	40	696	-.14	17	35
73-55-0029	2340165	553653	8-64	1	146	14,870	4.79	713	7	12,090	3.98	481	3-71	B	26	451	.07	28	37
73-55-0029	2340206	553653	2-65	4	278	13,202	4.61	608	20	11,517	4.19	483	1-71	B	36	426	.05	25	33
73-55-0030	2277171	564125	8-64	5	302	13,308	4.34	578	23	10,314	4.65	480	11-70		37	575	-.08	18	32
73-55-0030	2335827	564125	10-65	4	305	15,840	4.53	717	17	10,172	4.48	456	6-71		36	932	-.03	40	61
74-04-0109	2139520	549336	11-61	5	305	15,462	4.92	761	30	13,380	4.57	611	7-71		43	400	.09	28	35
74-04-0109	2182580	553653	4-62	6	305	12,168	4.25	517	58	9,521	4.31	410	8-70		37	543	-.03	22	34
74-04-0109	2374326	552205	7-66	4	298	13,685	4.32	591	80	9,815	4.54	446	11-71		37	554	-.04	21	34
81-41-0278	2411189	546331	4-67	1	305	13,490	4.77	643	8	10,860	4.28	465	2-72		36	373	.07	24	31
81-41-0278	2463882	546331	7-68	1	305	14,490	3.98	577	15	9,660	4.39	424	4-71		36	528	-.03	21	33
81-41-0278	2468888	546331	12-66	2	305	12,835	4.77	612	6	10,055	4.68	471	8-71		40	444	.03	24	33
81-41-0278	2522107	546331	9-67	1	305	13,040	5.12	667	5	10,920	4.36	476	3-72		36	336	.09	25	31
81-56-9033	2239146	557967	1-64	3	305	14,187	5.29	750	17	11,640	4.92	573	11-71		29	386	.09	27	34
81-56-9033	2296594	533769	3-65	2	300	17,485	4.53	792	17	11,725	5.09	597	11-71		40	809	-.14	22	43
82-12-0134	2153292	553245	3-62	8	303	13,306	4.68	623	9	10,838	4.59	497	2-71		36	454	.01	22	32
82-13-0197	2407365	511244	8-65	4	305	14,303	4.28	612	19	9,713	4.96	482	11-71		43	720	-.15	17	36
82-13-0197	2450970	553667	2-68	2	305	13,580	4.30	584	15	10,480	4.69	491	4-71		40	479	-.02	20	31
82-36-0313	2472933	552896	7-68	1	298	12,600	3.89	490	9	8,300	4.30	357	2-72		35	728	-.06	27	44
82-45-0171	2145520	549579	3-62	5	285	15,898	3.91	622	17	10,628	4.42	470	1-72		35	979	-.14	30	54
82-45-0171	2480253	552188	12-68	2	305	14,770	4.69	692	26	11,365	4.62	525	1-72		30	529	.00	24	36
82-48-0150	2441539	549335	10-67	3	297	14,460	4.65	673	22	10,000	4.48	448	3-72		41	616	.06	35	47
82-48-5135	2430917	546331	4-67	3	288	12,760	4.46	569	28	10,000	4.73	473	12-71	H	42	473	-.01	21	32
82-48-5150	2174977	549335	7-62	6	304	12,701	4.76	604	18	9,743	4.70	458	8-70		43	474	.06	28	37
82-48-5150	2248611	549235	3-63	5	280	14,378	4.14	595	26	10,394	4.70	489	4-71		44	742	-.18	15	35
82-48-5150	2281835	549335	9-64	5	304	13,464	4.61	621	26	10,968	4.61	506	2-71		43	429	.05	25	33
82-51-0191	2453577	546331	6-67	1	305	12,520	4.91	615	13	8,520	4.40	375	4-71		36	458	.06	27	36
82-51-0191	2462296	552896	3-68	1	305	11,130	4.54	505	25	8,110	4.45	361	8-71		35	628	-.01	28	42
82-52-0169	2287609	533769	2-64	5	305	15,518	3.98	618	28	10,532	4.43	467	6-71		44	843	-.17	20	42
83-10-9110	2358200	546331	1-66	3	305	15,410	4.17	643	8	11,960	4.61	551	10-71		42	575	-.05	21	35
84-03-0018	2301022	560917	11-64	6	305	14,353	4.74	681	20	11,361	4.72	536	3-72		35	537	.02	27	38
84-03-0018	2439166	560917	11-67	2	305	15,165	4.93	747	13	12,215	4.92	601	1-72		29	449	.02	23	32
84-06-0111	2298173	564054	10-64	4	302	13,073	4.66	609	13	10,328	4.35	449	3-71		34	401	.05	24	32
84-07-9050	2381001	539419	5-66	3	305	15,196	4.46	677	23	10,316	4.56	470	7-71		42	690	-.07	24	41
84-18-9055	2505510	552896	10-69	1	305	16,470	4.13	680	11	12,840	4.72	606	3-72		35	711	-.08	24	41
85-02-0006	2388664	550942	1-67	3	305	13,600	4.44	604	5	10,133	4.47	453	4-71		42	555	-.02	23	36
85-02-0006	2439630	550942	4-68	2	305	13,975	4.54	634	6	10,100	4.37	441	6-71		40	551	.00	25	37
85-02-0006	2491267	537680	4-69	1	305	11,700	4.90	573	8	9,720	4.33	421	8-71		35	416	.05	24	32
85-02-0018	2272782	530085	7-64	1	305	14,790	3.75	555	14	10,170	4.42	450	1-71		25	747	-.11	23	41
85-03-0041	2518158	573318	1-70	1	305	16,680	4.53	755	7	11,210	4.52	507	1-72		25	607	.02	30	43
85-03-9016	1892552	515501	11-57	5	299	13,500	4.39	592	28	10,808	4.39	474	5-71		44	550	-.06	19	32
85-21-9001	2023827	463153	8-60	6	297	16,642	4.01	667	566	11,380	4.24	482	5-71		43	996	-.10	35	59
85-21-9001	2181583	544348	10-62	6	303	15,048	4.18	629	543	11,532	4.24	489	8-71		35	588	-.05	22	36
85-21-9001	2287008	511244	1-65	5	305	15,896	4.20	668	491	11,636	4.29	499	7-71		44	727	-.10	23	41
85-21-9001	2313855	511244	3-65	2	305	17,965	3.74	672	588	11,600	4.29	498	10-71		40	827	-.18	19	41
85-21-9001	2313872	526592	4-65	5	282	14,654	4.32	633	516	11,792	4.10	483	4-71		42	374	.08	26	33
85-21-9001	2330287	529773	12-64	5	301	15,000	4.34	651	650	12,026	4.17	502	1-72		44	474	.06	28	37
85-21-9001	2331785	526592	7-65	4	304	15,328	4.15	636	576	11,870	4.14	492	3-71		41	433	.05	25	34
85-21-9001	2331868	511244	11-65	3	292	15,713	3.87	608	619	11,750	4.19	492	2-72		42	638	-.13	15	32
85-21-9001	2343505	533769	12-65	4	291	15,943	3.87	617	597	11,528	4.26	491	6-71		44	759	-.17	17	37
85-21-9001	2361412	564350	5-66	4	299	16,428	4.31	708	620	11,498	4.17	480	6-71		33	697	.00	32	47
85-21-9001	2361435	533769	5-66	3	289	15,187	3.95	600	593	11,347	4.19	476	5-71		42	657	-.14	15	32
85-21-9001	2375185	511244	7-66	4	292	15,153	4.41	669	541	11,198	4.31	483	7-71		43	659	-.06	24	40
85-21-9001	2390534	511244	12-66	3	297	15,880	3.91	621	518	11,717	4.18	490	3-72		42	661	-.14	16	33
85-21-9001	2390545	533769	12-66	3	303	15,837	4.15	658	660	11,690	4.24	496	2-72		42	696	-.11	20	37
85-21-9001	2409812	567333	4-67	3	305	15,196	4.12	626	568	11,286	4.26	481	8-71		32	618	-.05	23	38
85-21-9001	2419271	567333	5-67	3	277	15,183	4.06	616	607	11,183	4.31	482	8-71		32	628	-.07	22	37
85-21-9001	2419333	550942	8-67	3	301	14,793	4.16	616	626	11,710	4.18	490	3-72		42	529	-.04	20	32
85-21-9001	2419341	511244	8-67	3	294	14,073	4.68	659	576	11,127	4.38	487	8-71		42	512	-.02	21	33
85-21-9001	2419356	533769	9-67	3	298	15,007	4.18	627	698	11,800	4.20	496	1-72		42	589	-.10	16	31
85-21-9001	2434585	568872	12-67	2	305	16,720	3.96	662	661	11,565	4.20	486	6-71		29	624	-.07	21	36

TABLE 2. GUERNSEY USDA-OHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C D	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
85-21-9001	2445633	550772	2-68	3	299	16,440	3.97	653	612	11,696	4.16	486	3-72		40	654	-.12	17	$ 34
85-21-9001	2460624	567333	4-68	2	302	16,065	4.00	642	647	11,650	4.11	479	4-71		29	623	-.05	23	38
85-21-9001	2460636	511244	4-68	2	305	16,310	4.29	700	539	11,630	4.12	479	4-71		40	655	-.06	24	40
85-21-9001	2460655	511244	4-68	1	305	17,410	4.16	724	606	11,580	4.36	505	5-71		35	624	-.10	18	34
85-21-9001	2460690	567333	6-68	2	305	14,465	4.52	654	646	11,075	4.33	480	7-71		29	493	.02	25	35
85-21-9001	2460729	556637	7-68	2	262	13,785	4.46	615	709	11,055	4.37	483	7-71		36	433	.02	22	31
85-21-9001	2460744	572155	8-68	2	282	15,775	4.06	640	709	11,305	4.44	502	9-71		29	555	-.07	18	32
85-21-9001	2460764	567333	9-68	2	269	15,235	4.29	653	669	11,505	4.42	509	10-71		29	539	-.03	22	34
85-21-9001	2460775	572155	9-68	2	288	14,570	4.74	690	704	11,475	4.37	501	11-71		29	393	.06	24	32
85-21-9001	2469906	556637	8-68	2	304	16,970	4.38	743	748	11,445	4.34	497	12-71		36	738	.00	34	50
85-21-9001	2473166	567333	11-68	2	298	14,680	4.70	690	600	11,205	4.32	484	3-72		29	505	.05	29	39
85-21-9001	2473167	573318	11-68	2	305	14,565	4.78	696	698	11,745	4.34	510	12-71		30	458	.08	29	38
85-21-9001	2473169	567333	11-68	2	305	16,540	3.80	629	700	11,640	4.33	504	1-72		29	681	-.12	19	36
85-21-9001	2473206	567333	9-68	2	291	17,810	4.06	723	669	11,505	4.42	509	10-71		29	847	-.08	30	50
85-21-9001	2489382	511244	2-69	2	292	15,510	4.31	669	445	11,675	4.27	499	4-72		40	569	-.07	19	33
85-21-9001	2489395	511244	2-69	1	305	17,480	4.09	715	565	11,730	4.30	504	4-71		35	619	-.11	17	33
85-21-9001	2489400	573318	1-69	2	290	14,560	4.56	664	737	11,830	4.31	510	1-72		30	448	.04	25	34
85-21-9001	2489402	567333	1-69	2	300	16,285	4.35	709	680	11,760	4.28	503	2-72		29	637	.00	29	43
85-21-9001	2489413	572399	1-69	1	305	16,530	4.09	676	754	11,740	4.28	503	1-71		23	505	-.04	19	31
85-21-9001	2489430	573318	1-69	2	290	14,605	4.25	620	706	11,770	4.29	505	2-72		30	460	.00	21	31
85-21-9001	2491830	567333	3-69	2	305	14,910	4.49	669	686	11,735	4.29	504	2-72		29	476	.02	24	34
85-21-9001	2499013	572155	6-69	1	305	16,440	4.51	742	705	11,410	4.43	505	6-71		24	469	.01	23	33
85-21-9001	2499040	573318	5-69	1	305	15,290	4.82	737	659	11,560	4.35	503	5-71		25	457	.07	28	37
85-21-9001	2501184	573318	6-69	1	305	15,500	4.25	659	634	11,390	4.45	507	7-71		25	488	-.01	21	32
85-21-9001	2501233	573318	8-69	1	305	17,520	4.71	826	641	12,040	4.48	539	10-71		25	615	.04	33	46
85-21-9001	2504849	573318	9-69	1	305	14,040	5.25	737	614	11,530	4.50	519	8-71		25	349	.11	27	33
85-21-9001	2504866	573318	8-69	1	305	16,940	4.88	827	614	11,530	4.50	519	8-71		25	604	.07	35	47
85-21-9001	2508454	558947	12-69	1	305	17,280	4.51	780	694	12,220	4.37	534	12-71		34	478	.04	26	36
85-21-9001	2508471	573318	12-69	1	305	14,930	4.86	726	701	12,160	4.37	531	12-71		25	377	.07	25	32
85-21-9001	2508478	567333	12-69	1	305	16,740	4.59	769	687	12,100	4.38	530	12-71		24	516	.02	26	37
85-21-9001	2521729	558947	2-70	1	303	16,490	4.58	756	666	11,820	4.30	508	2-72		34	445	.05	26	35
85-21-9001	2521743	533769	1-70	1	305	18,090	4.37	790	681	11,850	4.32	512	2-72		36	699	-.10	22	39
85-21-9001	2521748	567333	1-70	1	298	16,430	4.14	681	717	11,900	4.34	516	1-72		24	505	-.04	19	31
86-01-0093	2391337	491754	1-67	1	305	14,980	4.59	687	144	13,050	3.99	521	12-70		31	433	.03	23	32
86-01-0093	2391347	501586	9-66	1	305	17,460	4.27	745	107	12,560	4.00	502	4-71		35	668	-.01	30	45
86-01-0093	2431800	553667	12-67	1	305	13,990	4.85	679	119	11,360	4.23	481	9-71		36	375	.08	26	33
86-01-0093	2431804	546626	8-67	2	300	17,265	3.94	680	76	12,115	4.18	506	10-71		40	588	-.03	24	37
86-01-0093	2470088	552896	7-68	1	284	16,490	3.69	608	147	13,330	3.97	529	2-71		35	679	-.07	24	40
86-01-0093	2525018	553667	2-68	1	305	16,190	4.13	668	103	12,380	3.99	494	4-71		36	471	.02	24	34
86-01-0093	2525022	553667	11-68	1	305	19,280	3.74	721	149	13,070	3.99	522	1-71		36	655	-.03	27	42
86-01-0093	2525045	552896	2-68	1	305	15,290	4.05	619	131	13,020	3.97	517	3-71		35	608	-.02	26	40
86-01-0093	2525052	533769	10-69	1	291	19,160	3.79	727	101	11,690	4.33	506	10-71		36	789	-.17	18	39
86-01-0093	2525062	552896	3-68	1	266	12,990	4.11	534	127	11,350	4.26	484	9-71		35	547	-.04	21	34
86-01-0420	2236834	533358	7-63	5	301	15,894	4.01	637	43	11,352	4.19	476	11-71		36	641	-.05	24	39
86-01-0420	2377669	546331	6-66	4	297	14,558	4.33	631	48	11,985	4.28	513	12-71		44	494	.01	24	35
86-01-0420	2387234	563350	11-66	3	305	15,907	3.80	604	49	11,347	4.25	482	8-71		32	824	-.15	22	43
86-01-0420	2479268	533769	1-69	1	305	14,410	4.89	704	56	10,510	4.38	460	7-71		36	514	-.04	19	31
86-01-9039	2251793	491754	2-64	6	295	14,118	3.98	562	51	10,850	4.46	484	8-71		41	681	-.12	19	36
86-01-9039	2345133	558346	10-65	4	303	15,242	4.12	628	41	11,982	4.48	537	12-71		34	577	-.09	17	31
86-01-9039	2412770	558346	7-67	2	305	15,755	4.21	663	50	11,800	4.43	523	1-72		29	576	-.06	20	34
86-01-9039	2442577	558346	11-67	2	294	15,280	4.23	647	53	11,630	4.55	529	2-71		29	538	-.06	18	31
86-01-9039	2448741	546626	2-68	2	305	14,715	4.97	732	53	11,720	4.44	520	7-71		40	365	.10	27	33
86-01-9039	2479508	546626	9-68	2	293	16,565	4.29	711	76	11,935	4.40	525	2-72		40	533	.00	25	37
86-01-9478	2168677	550866	9-62	3	305	16,250	4.43	720	17	10,230	4.60	471	8-71		33	722	-.03	30	46
86-01-9478	2177984	493764	5-61	5	295	15,392	4.72	727	10	10,430	4.47	466	3-71		44	560	.08	34	45
86-01-9478	2302252	499468	11-64	5	305	15,138	4.31	652	12	10,150	4.51	458	3-72		43	569	-.02	24	37
86-02-9012	2160229	491754	5-62	7	299	15,200	4.19	637	104	12,575	4.33	544	2-72		41	616	-.06	22	37
86-02-9012	2194834	491754	1-63	6	302	14,090	4.63	652	91	12,593	4.34	546	11-70		41	460	.03	24	34
86-02-9012	2308924	551625	1-65	5	303	13,340	4.59	612	83	11,358	4.38	497	8-71		37	366	.07	24	31
86-02-9012	2318017	491754	1-65	5	296	16,168	3.72	602	103	12,966	4.26	552	7-71		41	701	-.15	16	34
86-02-9012	2330725	546366	10-64	4	305	14,088	4.76	671	100	11,393	4.55	518	10-71		36	443	.03	24	33
86-02-9012	2351949	566944	2-66	4	300	16,127	3.86	622	128	11,995	4.34	521	3-72		35	752	-.15	18	38
86-02-9012	2386323	546331	7-66	4	299	14,568	4.27	622	124	11,880	4.24	504	4-72		44	507	.01	24	35
86-02-9012	2396715	546331	12-66	3	305	18,987	3.73	708	166	12,837	4.19	538	3-72		42	895	-.10	30	52
86-02-9012	2416690	566944	7-67	3	180	17,923	4.20	752	76	11,750	4.35	511	3-72	8	34	981	-.08	36	59
86-02-9012	2427813	557186	8-66	4	304	14,215	4.76	677	130	11,880	4.32	513	4-72		37	460	.09	31	39
86-02-9012	2433764	546331	10-67	2	305	17,540	3.93	690	168	13,150	4.17	548	1-72		40	639	-.04	25	40
86-02-9012	2437641	546331	9-67	2	305	17,320	3.86	668	179	11,760	4.26	501	2-72		40	743	-.07	27	45
86-02-9012	2442184	566479	3-68	2	305	17,485	3.84	672	170	12,080	4.29	518	3-72		30	637	-.10	19	35
86-02-9012	2444173	550462	10-67	3	295	16,923	4.29	726	144	12,733	4.10	522	4-72		34	522	.08	32	42
86-02-9012	2444184	550462	9-67	2	305	16,690	4.50	751	163	13,390	4.08	546	2-71		31	355	.13	30	35
86-02-9012	2457830	568582	4-68	2	302	14,480	4.67	676	153	11,485	4.37	502	8-71		29	407	.06	[illegible]	33
86-02-9012	2467167	553667	6-68	2	285	15,030	4.54	682	168	11,910	4.37	521	12-71		40	495	.05	26	38
86-02-9012	2489478	575166	1-69	1	305	16,520	4.58	756	149	10,750	4.31	463	6-71		19	555	.02	28	40
86-02-9012	2499387	559695	3-69	1	305	19,840	3.60	714	158	11,410	4.50	514	11-71		33	829	-.21	15	37
86-02-9012	2502116	571726	5-69	1	305	17,060	4.53	772	203	11,820	4.32	511	1-72		24	575	.00	27	40
86-02-9012	2507994	557896	7-69	1	305	15,160	4.77	723	175	11,620	4.45	517	12-71		27	481	.00	22	33
86-02-9012	2520163	575323	4-69	1	305	15,510	4.66	723	143	11,090	4.52	501	10-71		19	430	.02	22	31
86-02-9012	2520168	553667	5-69	1	305	13,260	4.95	656	152	10,780	4.29	463	6-71		36	360	.09	26	32
86-02-9012	2520171	491754	6-69	1	298	13,270	4.97	659	140	11,090	4.54	503	10-71		31	437	.02	22	31
86-02-9012	2520176	553667	7-69	1	305	13,230	5.08	672	143	10,680	4.34	464	7-71		36	364	.10	27	33
87-18-0344	2406902	501586	9-66	2	305	12,070	4.14	500	7	8,805	4.35	383	2-71		39	582	-.05	22	36
91-10-5020	2420196	546331	1-67	3	304	13,960	4.79	669	25	11,537	4.79	553	6-71		42	452	.03	24	33
91-10-5020	2430911	546331	6-67	1	305	18,950	5.38	1020	19	12,460	4.98	620	10-71		36	673	.09	41	54
91-10-5020	2465703	570111	8-68	2	303	17,485	3.67	641	26	12,470	4.82	601	2-72		30	811	-.26	9	32

TABLE 2. GUERNSEY USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C O D	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
91-10-5020	2465707	572639	11-68	2	305	15,205	4.69	713	23	12,005	4.71	566	2-72		31	590	.02	29	$ 42
91-10-5020	2474380	572639	10-68	2	305	16,925	4.50	762	25	12,140	4.74	575	1-72		31	777	-.02	34	51
91-10-5020	2486915	572639	1-69	1	305	14,230	5.14	731	19	11,770	4.72	556	6-71		26	435	.07	27	35
91-10-5020	2500401	572639	10-69	1	305	15,650	4.70	736	20	12,830	4.65	596	1-72		26	476	.03	25	35
91-10-5020	2500752	572639	9-69	1	305	15,190	5.20	790	20	12,830	4.65	596	1-72		26	436	.09	29	37
91-10-5034	2378232	546331	10-66	3	305	14,870	4.78	711	12	11,830	4.81	569	5-71		42	526	.03	27	38
91-10-5034	2513609	553667	1-69	1	305	15,030	4.84	727	11	11,810	4.89	577	4-71		36	422	.03	23	32
91-10-5069	2087567	506916	2-61	8	305	15,187	4.33	658	30	10,870	5.02	546	11-71		43	610	-.12	15	31
91-10-5069	2313412	546331	3-65	4	304	12,650	5.21	659	16	10,945	4.86	532	9-71		44	374	.08	26	33
91-10-5069	2357278	546331	5-66	4	305	14,348	4.93	708	21	11,825	4.88	577	1-72		44	486	.04	27	37
91-10-5069	2396553	569913	9-66	3	305	16,263	4.21	684	22	11,233	5.03	565	7-71		29	734	-.14	19	38
91-10-5069	2450660	546331	9-66	3	305	14,470	4.78	691	16	12,367	4.84	599	4-72		42	425	.02	22	31
91-10-5069	2452371	572639	12-67	2	305	13,850	5.19	719	15	11,825	4.81	569	4-71		31	450	.09	30	38
91-10-5069	2480130	572639	10-68	2	305	17,515	4.60	805	16	13,260	4.74	628	3-72		31	728	-.01	33	49
91-10-5069	2486918	572639	3-69	1	305	14,840	4.96	736	18	12,420	4.81	597	9-71		26	438	.05	25	34
91-10-5069	2497864	546331	4-68	1	305	16,260	5.26	855	22	13,790	4.75	655	1-72		36	383	.09	27	34
91-10-5069	2501535	572639	3-69	1	305	15,280	4.74	725	18	11,700	4.89	572	8-71		26	532	.01	26	37
91-10-5083	2465699	572639	7-68	2	305	16,795	4.84	813	17	12,140	4.67	567	3-72		31	762	.05	41	57
91-10-5083	2465705	572639	11-68	2	305	15,100	4.83	729	17	12,005	4.61	554	3-72		31	578	.05	32	44
91-11-5003	2302969	533769	11-64	5	305	14,628	4.56	667	6	10,848	4.82	523	6-71		44	691	-.11	20	37
91-11-5003	2373351	546331	7-66	3	302	15,120	4.56	690	14	11,713	4.99	584	1-71		42	567	-.03	23	36
91-12-0013	2349858	559320	9-65	5	305	15,212	4.58	697	6	12,424	4.73	588	1-72		39	502	-.04	19	31
91-12-0013	2395533	559320	1-67	3	299	16,433	5.32	874	7	12,563	4.70	590	12-71		37	598	.11	39	50
91-12-0013	2395539	559320	11-66	4	296	16,780	4.37	733	6	12,092	4.72	571	12-71		38	736	-.08	25	43
91-12-0013	2492465	553667	1-69	2	300	16,635	4.75	790	11	13,530	4.77	646	2-72		40	510	.03	27	38
91-12-0028	2365655	546331	10-65	2	305	14,620	5.38	787	18	12,160	4.66	567	1-72		40	433	.12	33	4[illegible]
91-12-0028	2465048	546331	7-68	1	305	15,360	4.77	733	19	12,420	4.58	569	1-72		36	408	.04	23	31
91-12-0028	2479694	546331	4-69	1	305	17,050	4.73	806	19	12,420	4.58	569	1-72		36	534	.04	29	40
91-12-0028	2512643	546331	8-69	1	305	15,800	4.70	743	8	12,900	4.50	580	4-72		36	409	.04	23	31
91-12-0045	2123811	500335	7-61	5	305	15,406	4.69	723	24	11,772	4.75	559	2-71		36	570	.01	27	39
91-12-0045	2123815	500335	8-61	4	305	13,762	5.14	708	32	11,067	4.87	539	1-72		35	404	.07	26	34
91-12-0045	2544859	546331	9-69	1	305	14,600	5.02	733	36	11,030	4.82	532	11-71		36	445	.05	26	35
91-12-0075	1920937	501586	10-58	7	305	12,703	4.95	629	11	10,041	4.59	461	9-71		43	588	.05	32	44
91-12-0075	2243834	501586	6-63	5	305	12,358	4.38	541	12	10,366	4.58	475	12-71		43	504	-.04	19	31
91-12-0096	2457534	569809	11-67	3	305	18,700	4.01	750	7	13,393	4.64	622	1-72		32	949	-.18	24	48
91-12-0096	2460990	569809	7-66	4	303	18,095	4.01	725	7	12,677	4.63	587	12-71		34	1,005	-.18	26	52
91-12-5146	2322429	521653	3-65	4	304	15,955	4.39	700	11	11,928	4.52	539	11-71		42	660	-.05	25	4[illegible]
91-12-5146	2438420	546331	1-68	3	304	15,680	4.47	701	7	12,220	4.44	542	11-71		42	579	.02	29	41
91-38-0041	2368795	560470	9-65	4	305	11,373	5.24	596	29	9,348	4.97	465	3-71		35	447	.07	28	37
91-38-0041	2517383	560470	3-67	3	305	11,863	5.24	622	23	9,230	4.94	456	1-72		33	510	.07	31	4[illegible]
91-42-5005	2415004	546331	9-67	2	305	14,775	4.60	679	13	10,890	4.43	482	6-71		40	564	.04	30	42
91-42-5005	2415008	546331	7-67	3	305	14,277	4.50	643	16	11,323	4.56	516	12-71		42	510	.01	25	36
91-42-5005	2459547	546331	7-68	2	305	13,470	4.53	610	17	10,865	4.57	496	9-71		40	434	.02	22	31
91-42-5005	2459548	546331	7-68	1	302	15,650	4.67	731	17	11,150	4.57	510	10-71		36	515	.03	27	38
91-42-5006	2133908	554752	7-61	6	305	12,437	4.08	507	17	8,140	4.59	374	11-71		32	652	-.09	20	36
91-58-0035	2547759	552896	3-69	1	305	14,310	4.72	675	9	12,240	4.93	604	9-71		35	587	-.03	24	37
91-58-0076	2343856	546331	7-65	3	305	12,783	4.96	634	11	10,520	4.92	518	3-71		42	422	.04	24	32
91-58-0145	2434028	550772	5-66	4	299	15,660	4.18	655	14	10,842	4.79	519	11-71		41	692	-.17	14	32
91-58-0145	2500397	572639	8-69	1	305	15,790	4.04	638	14	11,750	4.70	552	3-72		26	573	-.06	20	34
91-58-0212	2445819	496783	11-67	3	294	14,967	4.47	669	17	12,213	4.63	566	1-72		42	442	.01	21	31
91-58-5007	1841858	418022	6-57	8	305	13,791	5.55	765	22	11,081	4.87	540	8-71		44	514	.15	39	48
91-58-5007	2134783	546331	9-61	8	302	13,730	4.95	680	27	11,081	4.98	552	9-71		44	505	.04	27	37
91-58-5007	2438918	572476	11-67	3	295	14,636	4.71	690	30	11,450	4.89	560	10-71		31	521	-.03	21	33
91-58-5007	2442267	546331	4-68	1	305	15,590	5.34	833	30	11,790	4.85	572	1-71		36	468	.09	31	40
91-58-5007	2535062	558793	9-69	1	270	18,450	4.66	859	26	11,690	4.64	543	1-72	8	31	691	.01	33	48
91-58-5019	1999322	542132	1-60	8	305	16,156	4.59	742	12	11,626	4.80	558	3-72		36	807	-.02	35	53
91-58-5019	2255400	543422	3-64	5	305	16,600	4.24	704	15	11,670	4.82	562	12-71		42	572	-.09	17	31
91-58-5019	2289905	496783	10-64	4	305	14,423	4.74	684	16	11,733	4.83	567	5-71		44	451	.03	24	33
91-58-5019	2382624	511244	8-66	4	305	14,950	4.76	711	15	11,933	4.81	574	12-71		43	552	-.06	19	32
91-58-5025	2205688	558793	4-63	5	302	12,866	5.11	657	28	10,396	4.85	504	2-71		41	461	.06	28	37
91-58-5025	2286284	546331	1-65	4	284	13,340	5.25	700	21	11,330	4.79	543	7-71		44	416	.10	30	37
91-58-5025	2339261	558793	4-65	4	305	13,775	4.67	643	24	10,592	4.84	513	5-71		40	542	-.01	24	36
91-58-5025	2339267	546331	6-65	5	305	12,330	4.99	615	32	10,518	4.92	517	10-71		44	390	.05	23	31
91-58-5025	2373783	558793	5-66	3	305	15,923	4.85	773	28	12,066	4.77	576	4-71		38	621	.04	33	46
91-58-5025	2373787	546331	3-66	3	305	14,967	4.54	680	26	11,313	4.76	539	7-71		42	591	.03	27	4[illegible]
91-58-5025	2386322	546331	7-66	4	270	13,295	4.47	594	34	10,833	4.45	482	2-72		44	466	.01	23	33
91-58-5025	2396455	552573	1-67	3	296	13,926	5.17	720	35	11,393	4.81	548	1-72		39	401	.08	27	34
91-58-5025	2406222	546331	11-66	2	305	14,200	4.65	661	33	11,680	4.71	550	3-71		40	434	.02	22	31
91-58-5025	2454728	546331	5-68	2	305	14,660	4.54	665	36	10,890	4.89	532	11-71		40	553	-.01	24	36
91-58-5025	2457855	546331	10-67	2	305	15,095	4.59	693	30	12,020	4.72	567	2-71		40	494	.01	24	35
91-58-5025	2457872	546331	5-67	2	305	13,930	4.55	634	33	10,835	4.87	528	9-71		40	484	-.01	21	32
91-58-5025	2471233	546331	7-68	2	305	13,195	5.24	691	27	11,625	4.69	545	4-72		40	337	.09	25	31
91-58-5037	1955265	535336	1-59	10	305	13,679	4.85	664	19	11,167	4.74	529	1-72		35	419	.04	24	32
91-58-5037	2095305	463153	10-61	3	305	14,540	4.51	656	34	11,917	4.83	575	7-71		41	626	-.06	22	37
91-58-5037	2109406	529775	1-61	4	302	16,115	4.70	758	34	11,693	4.77	558	6-71		42	533	-.01	23	35
91-58-5037	2230124	501586	9-63	7	280	13,499	4.74	640	21	11,513	4.73	545	3-72		43	519	-.01	23	35
91-58-5037	2324000	546331	9-62	6	301	14,615	4.66	681	27	12,207	4.73	578	1-72		44	489	.01	24	34
91-58-5037	2357131	496783	11-65	4	304	14,063	5.29	744	25	11,948	4.84	578	10-71		44	383	.12	30	36
91-58-5037	2513632	565704	10-67	2	305	16,935	4.29	726	29	12,075	4.86	587	6-71		29	569	-.09	17	31
91-58-5037	2513633	558947	9-69	1	305	18,080	5.08	919	32	13,590	4.66	633	2-72		34	445	.09	30	38
91-58-5045	2049739	520446	11-59	5	279	17,166	4.37	751	10	11,808	4.90	579	11-71		35	881	-.11	29	50
91-58-5045	2138203	536976	7-61	8	291	15,753	4.71	742	25	12,670	4.84	613	4-71		38	529	-.01	23	35
91-58-5045	2215471	549336	5-63	4	305	16,493	4.63	764	24	14,050	4.75	667	5-71		42	442	.02	22	31
91-58-5045	2222246	552494	8-63	7	304	17,680	4.69	829	25	13,594	4.80	653	2-72		32	704	-.01	31	47
91-58-5045	2226393	511244	4-63	2	305	18,245	4.42	806	30	13,115	4.95	649	3-72		40	716	-.13	19	37

TABLE 2. GUERNSEY USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C D	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
91-58-5045	2326864	546331	9-65	4	305	15,515	4.96	770	23	13,545	4.88	661	8-71		44	439	.05	25	$ 34
91-58-5045	2350698	546331	1-66	4	305	18,088	4.85	878	21	13,588	4.89	665	5-71		44	752	.03	38	54
91-58-5045	2364351	546331	2-66	4	278	13,888	4.90	681	31	11,125	4.89	544	11-71		44	507	.03	27	38
91-58-5045	2367690	546331	1-66	3	305	14,600	4.85	708	29	12,173	4.91	598	8-71		42	460	.03	24	34
91-58-5045	2417774	546331	7-67	3	305	15,993	4.83	773	27	13,643	4.82	658	3-72		42	468	.03	25	35
91-58-5045	2433068	546331	12-67	3	305	16,193	4.42	715	25	13,600	4.82	655	3-72		42	495	-.04	19	31
91-58-5045	2487464	546331	5-69	1	305	16,640	4.73	787	23	12,300	4.97	611	7-71		36	512	.00	24	35
91-58-5045	2538469	546331	1-68	2	305	15,295	5.05	772	23	12,715	5.08	646	10-71		40	450	.03	24	33
91-58-5056	2312096	526592	6-64	5	305	13,778	5.11	704	19	11,368	4.57	520	2-72		42	307	.16	31	35
91-58-5056	2401306	491754	9-66	3	305	14,393	4.88	703	14	11,716	4.69	550	7-71		38	579	.01	28	41
91-58-5056	2511343	577229	7-69	1	305	17,950	4.47	802	15	12,050	4.90	590	10-71		19	580	-.04	22	36
91-62-0010	2266990	511244	1-64	6	305	13,350	4.75	634	9	10,330	4.86	502	11-71		44	548	-.07	18	31
91-62-0010	2394443	567934	10-66	1	204	17,990	4.19	754	12	10,860	4.59	498	12-70	B	24	677	-.07	24	40
91-64-0066	2378212	546331	7-65	3	303	13,600	5.11	695	25	11,933	4.71	562	3-71		42	369	.09	26	33
91-64-0186	2366038	562640	11-65	2	305	11,145	5.28	588	7	8,345	4.64	387	12-71		31	376	.08	26	33
91-68-0024	2496462	546331	10-67	2	305	14,680	4.35	638	21	10,740	4.62	496	9-71		40	568	-.01	25	38
91-68-5031	2329532	546331	4-65	3	305	13,093	4.56	597	43	10,313	4.63	478	12-71		42	479	.02	24	34
91-68-5031	2397252	570058	9-66	3	305	18,680	4.59	858	31	10,096	4.64	468	6-71		32	1,338	-.01	61	91
91-68-5031	2398181	570058	11-66	3	305	17,136	4.80	822	39	9,310	4.72	439	9-71		32	1,225	.03	60	86
91-68-5031	2407228	570058	1-67	3	305	13,663	4.69	641	43	10,053	4.68	470	1-72		32	666	.00	31	46
91-68-5031	2422711	570058	5-67	3	305	13,436	4.34	583	48	9,756	4.69	458	1-72		32	671	-.06	25	41
91-68-5031	2422721	570058	12-66	3	295	12,360	4.76	588	35	9,240	4.75	439	9-71		32	588	.01	28	41
91-68-5031	2422722	570058	12-66	3	305	13,780	4.02	554	33	10,173	4.64	472	4-71		32	667	-.11	19	36
91-68-5031	2504212	570058	4-69	1	305	12,550	4.62	580	42	9,070	4.56	414	8-71		24	504	.01	24	35
91-68-5031	2525294	576162	10-69	1	305	15,830	4.50	713	39	10,620	4.66	495	3-72		23	513	-.03	20	32
91-74-0022	2519609	546331	11-69	1	305	13,390	4.69	628	10	9,230	4.28	395	2-72		36	475	.05	27	37
91-74-0035	2284923	549235	10-64	5	305	13,044	4.71	615	27	9,834	4.55	447	8-71		44	635	-.07	22	37
91-74-0035	2477231	546626	4-68	2	305	16,825	3.81	641	24	10,550	4.51	476	6-71		40	687	-.09	22	39
91-74-0035	2494145	546626	7-68	1	305	15,680	4.95	776	18	10,010	4.52	452	2-71		35	473	.08	30	39
91-74-0039	2103511	522715	10-60	6	305	12,467	5.14	641	20	10,362	4.73	490	6-71		38	491	.06	29	39
91-74-0044	2380542	565181	10-66	2	305	14,420	4.36	629	10	10,260	4.60	472	10-71		36	572	-.09	17	31
91-74-0044	2435231	511244	2-66	4	305	14,865	4.08	606	12	10,063	4.63	466	2-72		43	751	-.15	18	38
91-74-0084	2333418	546331	10-65	4	305	12,030	4.70	565	11	8,818	4.96	437	12-71		44	534	.00	25	37
91-74-0134	2422747	546331	10-67	2	305	12,665	4.73	599	10	10,470	4.44	465	10-71		40	389	.05	23	31
91-74-0134	2480528	546331	4-69	1	305	13,390	4.53	606	7	10,010	4.40	440	11-71		36	423	.02	22	31
91-74-0145	2307259	546331	7-64	5	301	13,272	4.72	626	11	11,122	4.63	515	1-71		44	441	.04	24	33
91-74-5022	2481634	546331	3-69	1	305	13,110	4.49	589	13	9,730	4.44	432	4-71		36	421	.02	22	31
91-74-5045	2495274	546331	10-68	1	305	14,020	4.99	699	17	11,340	4.66	528	11-71		36	381	.06	24	31
91-74-5067	2250377	549336	4-62	6	305	14,230	4.77	679	13	11,632	4.64	540	5-71		43	445	.05	26	35
91-74-5067	2330995	546331	8-64	5	305	13,652	4.87	665	13	11,940	4.62	552	8-71		44	395	.07	25	32
91-74-5067	2486459	573181	12-68	2	211	15,165	4.71	715	21	12,145	4.61	560	1-72		35	444	.03	24	33
91-74-5071	2248615	529773	5-63	6	305	15,475	4.56	706	21	12,513	4.83	604	10-71		44	479	.01	23	33
91-74-5071	2261244	549235	8-63	5	305	17,612	5.09	897	16	12,004	4.78	574	4-71		44	973	-.01	44	66
91-74-5071	2287884	496783	5-63	4	305	14,990	4.95	742	15	12,875	4.66	600	3-72		44	394	.09	28	35
91-74-5118	2158482	549336	1-62	7	305	13,933	5.20	724	17	12,096	4.75	575	1-72		43	351	.11	28	34
91-74-5118	2421234	546331	4-67	2	305	15,000	5.24	786	9	12,950	4.78	619	12-71		40	399	.09	28	35
91-74-5118	2488755	546331	2-69	1	305	15,150	4.81	729	12	12,370	4.63	573	5-71		36	396	.05	23	31
91-78-0027	2372758	546331	5-66	3	305	12,347	4.71	581	17	9,943	4.59	456	7-71		42	431	.04	24	33
91-78-0027	2427704	546331	7-67	2	305	13,060	4.62	603	24	10,240	4.61	472	2-71		40	450	.02	23	32
91-78-5002	2345897	565600	7-65	5	303	14,548	4.80	698	28	11,630	4.62	537	2-72		36	451	.08	29	37
91-78-5002	2345900	539419	9-65	4	305	16,285	4.46	726	20	12,127	4.52	548	4-71		43	660	-.06	24	40
91-78-5131	2345959	565600	7-65	3	305	16,756	4.68	784	11	12,646	4.59	581	1-71		33	576	.06	33	45
91-78-5131	2402884	569088	9-66	4	303	16,263	4.41	717	13	13,023	4.44	578	3-72		30	538	-.02	23	35
91-78-5131	2445867	553667	8-67	3	305	18,990	4.26	809	12	13,586	4.39	596	2-72		42	816	-.01	36	54
92-03-0039	2156324	511244	3-62	5	305	14,462	4.02	581	10	10,358	4.59	475	1-72		44	690	-.16	15	33
92-03-5008	2047649	496783	7-60	8	305	13,573	4.72	640	48	10,859	4.97	540	2-72		44	457	.01	22	32
92-03-5008	2154445	484493	5-62	6	305	14,555	4.31	627	41	10,883	4.92	535	3-71		39	570	-.08	18	32
92-03-5008	2289080	560551	1-65	5	305	15,190	4.34	660	52	10,764	4.90	527	10-71		32	714	-.10	22	40
92-03-5008	2315130	563233	11-64	2	305	14,525	4.76	692	43	10,745	4.69	504	3-72		30	462	.02	23	33
92-03-5008	2325278	549839	3-65	5	305	15,810	4.23	668	54	10,734	4.90	526	8-71		37	694	-.11	20	37
92-03-5008	2455109	511244	5-68	2	305	15,805	4.71	744	67	10,870	4.78	520	6-71		40	673	-.06	25	41
92-03-5008	2515930	553667	9-69	1	301	15,070	5.28	796	48	10,790	4.53	489	1-72		36	494	.11	34	43
92-04-5038	2278529	496783	1-65	5	305	16,688	5.10	851	11	13,676	5.21	713	12-71		44	532	.04	29	40
92-04-5038	2418595	567457	11-67	2	305	17,635	4.69	827	9	13,265	5.32	706	5-71		25	594	-.08	19	34
92-04-5038	2420921	553014	11-67	2	305	15,980	5.23	835	6	13,345	5.22	696	3-71		31	449	.03	24	33
92-13-0005	2319936	496783	12-64	4	300	12,205	5.21	636	31	10,580	4.56	482	2-71		44	305	.13	28	32
92-13-0005	2364773	546331	12-65	4	303	11,905	4.72	562	19	9,720	4.61	448	6-71		44	418	.04	23	32
92-13-0020	2430918	546331	4-67	2	305	12,690	5.11	649	29	10,770	4.71	507	4-71		40	364	.08	25	32
92-13-0020	2430924	546331	12-66	3	305	13,140	4.64	610	27	10,683	4.66	498	5-71		42	446	.02	23	32
92-13-0029	2270779	526592	9-64	5	295	15,036	4.82	724	34	11,932	4.73	564	3-71		42	408	.10	29	36
92-13-0029	2324343	501586	8-65	4	300	13,193	4.89	645	48	11,315	4.82	545	10-71		42	495	.00	23	34
92-13-0029	2421370	546331	11-67	2	305	15,825	4.72	747	20	12,555	4.84	608	4-71		40	519	.01	25	36
92-13-0029	2456659	546331	5-68	2	305	14,395	4.72	680	33	11,715	4.86	569	12-71		40	450	.01	22	32
92-13-0029	2493382	546331	6-69	1	305	15,480	4.63	716	29	11,740	4.89	574	12-71		36	463	.01	22	32
92-16-0016	2134452	499743	9-61	3	305	17,083	4.39	750	31	10,850	4.59	498	6-71		41	940	-.11	31	54
92-16-0016	2226331	546328	8-63	2	305	16,030	4.57	732	28	11,050	4.59	507	3-71		30	712	.00	33	49
92-16-0016	2324760	554712	6-64	4	305	14,160	4.59	650	28	10,725	4.55	488	8-70		37	610	.02	30	43
92-16-0016	2422368	554712	2-67	3	305	13,620	4.74	646	31	11,310	4.62	523	11-71		36	446	.03	24	33
92-16-0027	2426754	546331	7-67	3	305	13,020	4.79	624	33	10,667	4.59	490	12-71		42	434	.06	26	34
92-16-0027	2467044	552896	7-68	2	304	11,730	4.79	562	44	10,365	4.76	493	10-71		39	531	.00	24	36
92-16-0027	2467045	552896	8-68	2	305	13,510	4.60	621	43	10,490	4.70	493	11-71		39	704	-.02	30	46
92-16-0027	2467045	552896	8-68	2	305	14,590	4.52	659	43	10,490	4.70	493	11-71		39	815	-.03	34	53
92-19-0027	2198895	488786	2-63	4	301	12,470	4.43	553	18	9,785	4.45	435	9-71		42	398	.06	25	33
92-20-5024	2269327	501586	10-63	2	305	14,110	4.59	648	66	10,665	4.86	518	1-72		39	619	-.04	24	38
92-20-5024	2330662	496783	3-64	3	305	12,790	4.83	618	58	10,090	4.86	490	5-71		42	412	.04	23	31

TABLE 2. GUERNSEY USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C D	REPT (%)	.......C O W MILK (LB)	I N D E X....... FAT (%)	FAT (LB)	DOL-LARS
92-20-5024	2345514	562640	7-65	4	303	13,797	4.39	605	61	10,465	4.79	501	4-71		35	539	-.06	18	$ 31
92-20-5024	2362363	561417	12-65	4	305	11,737	4.83	567	54	9,675	4.78	462	10-71		35	475	.03	25	35
92-20-5024	2395828	561417	1-67	3	305	11,593	5.03	583	50	9,710	4.77	463	9-71		34	435	.06	26	35
92-20-5024	2395838	561417	8-66	2	305	13,455	4.91	660	71	10,760	4.84	521	12-71		31	525	.04	28	39
92-20-5024	2414102	546331	5-67	1	305	12,710	5.18	658	52	9,250	5.04	466	7-71		36	423	.05	25	33
92-20-5024	2418167	561417	5-67	2	305	12,550	4.49	563	56	9,830	4.80	472	7-71		31	517	-.02	22	34
92-20-5024	2418170	546331	5-67	2	305	14,435	4.70	679	57	10,665	4.87	519	12-71		40	550	.02	27	39
92-20-5024	2480972	557561	2-67	3	305	14,316	4.83	692	50	10,290	4.70	484	11-71		32	480	.05	27	37
92-20-5108	2324757	554712	3-64	6	302	13,476	5.11	688	26	11,015	4.68	516	11-71		39	496	.10	33	42
92-20-5108	2407626	546331	12-66	4	302	16,013	4.67	748	24	12,190	4.82	587	2-72		44	651	.01	31	45
92-20-5108	2407629	552573	1-67	2	299	15,755	4.47	704	32	11,040	4.71	520	9-70		36	596	-.02	25	39
92-20-5108	2464691	546331	5-68	2	298	15,240	4.90	746	25	12,095	4.70	568	9-71		40	501	.06	29	39
92-20-5108	2520676	557482	10-69	1	305	16,520	4.96	820	26	12,390	4.86	602	11-71		35	514	-.03	21	33
92-20-5120	2243812	554712	12-63	2	288	15,165	5.03	763	8	11,575	4.77	552	1-71		34	564	.07	33	44
92-20-5120	2390159	546331	8-66	2	299	14,640	4.64	680	5	11,520	4.63	533	7-71		40	493	.02	25	35
92-23-0004	2433105	546331	9-67	2	305	13,505	4.24	572	17	10,355	4.27	442	11-71		40	484	.01	23	34
92-23-0154	1881435	526884	2-58	4	305	12,133	5.09	617	18	10,275	4.62	475	7-71		33	354	.08	25	31
92-23-0154	2191274	551316	4-62	5	291	12,954	4.89	634	44	10,100	4.56	461	9-71		32	454	.07	28	37
92-23-0154	2509452	556234	4-69	1	305	18,190	4.06	738	31	10,730	4.61	495	10-71		31	683	-.04	27	43
92-23-5024	2217864	552188	6-63	5	298	12,840	4.88	627	14	10,256	4.72	484	11-71		36	491	.02	25	35
92-23-5024	2324147	526592	5-65	2	305	16,090	5.04	811	6	12,005	4.67	561	3-72		37	415	.14	34	40
92-23-5024	2375414	546331	7-66	2	305	16,310	5.06	825	9	11,585	4.69	543	9-71		40	657	.08	39	52
92-23-5024	2521044	552896	10-69	1	305	16,740	4.44	744	11	12,000	4.56	547	12-71		35	790	-.03	33	51
92-27-0131	2337061	546331	7-65	5	305	13,154	5.02	660	11	10,326	4.81	497	4-72		44	519	.07	31	41
92-27-0131	2487635	573181	1-69	2	305	14,925	4.92	734	13	11,385	4.72	537	4-72		35	493	.06	29	39
92-27-5025	2192609	549342	1-63	6	305	13,336	4.88	651	9	11,448	4.62	529	2-72		43	490	-.01	21	32
92-27-5025	2226985	533769	9-63	7	305	16,306	4.19	683	9	11,659	4.63	540	3-72		44	813	-.16	20	41
92-27-5025	2382513	546331	10-66	3	305	13,990	4.56	638	8	11,543	4.55	525	3-72		42	455	.02	23	33
92-27-5025	2386717	561417	8-66	3	305	13,813	4.47	618	10	11,600	4.54	527	12-70		34	504	.00	23	34
92-27-5037	2242012	563226	1-64	6	305	13,437	5.02	674	14	10,098	4.87	492	1-72		35	493	.07	30	40
92-27-5037	2405612	561417	9-66	4	302	15,282	5.01	765	18	10,297	4.96	511	10-71		35	896	.04	46	65
92-27-5037	2405613	561417	9-66	4	305	12,510	4.70	588	19	10,460	4.91	514	11-71		35	484	-.01	21	32
92-27-5037	2459726	546331	7-68	2	300	14,245	4.14	590	21	10,430	4.76	496	1-72		40	553	-.05	20	33
93-07-0002	2260739	501586	2-64	4	305	13,508	5.12	692	27	11,643	4.69	546	4-71		42	497	.06	29	39
93-07-0002	2284558	511244	9-64	5	300	15,138	4.53	685	27	11,128	4.83	538	6-71		44	688	-.10	21	38
93-07-0002	2393544	546331	10-66	3	305	15,030	4.39	660	18	11,470	4.99	572	9-71		42	582	-.05	21	35
93-07-0002	2393547	546331	1-67	3	300	14,507	4.84	702	13	11,680	5.06	591	9-71	H	42	500	.01	24	35
93-07-0002	2460055	543158	9-67	2	305	14,160	4.88	691	23	11,795	4.76	561	5-71		39	515	-.04	20	32
93-10-0027	2389868	567632	11-66	3	296	14,950	4.35	650	70	10,227	4.55	465	1-72		29	676	-.04	27	43
93-10-0027	2400555	501586	1-67	3	299	14,283	4.43	633	53	10,173	4.65	473	6-71		41	729	-.04	29	46
93-10-0027	2436266	546626	10-67	3	288	13,010	5.48	713	76	10,333	4.56	471	2-72		42	356	.17	34	39
93-10-0027	2463079	552896	4-68	1	305	14,720	4.44	654	90	10,890	4.47	487	3-72		35	711	-.03	30	46
93-10-0027	2463081	552896	3-68	2	293	15,410	4.59	707	64	9,910	4.59	455	11-71		39	954	-.02	42	63
93-10-0027	2463083	552896	6-68	2	283	14,220	3.78	537	56	9,830	4.64	456	9-71		39	839	-.13	25	46
93-10-0027	2463088	552896	4-68	1	305	12,060	5.11	616	84	10,460	4.71	493	6-71		35	538	.02	27	38
93-10-0037	2269763	501586	1-64	4	305	13,305	3.84	511	77	9,770	4.88	477	9-71		42	684	-.16	14	32
93-10-0037	2381783	501586	7-66	3	305	13,020	4.67	608	88	9,440	4.95	467	9-71		41	659	-.03	27	42
93-10-0037	2383555	501586	8-65	4	302	12,805	4.53	580	72	9,805	4.84	475	1-72		42	617	-.05	23	36
93-10-0037	2425847	501586	3-67	3	298	15,047	4.24	638	85	9,730	4.87	474	2-72		41	865	-.09	30	51
93-10-0037	2458192	552896	2-68	2	305	14,155	4.93	698	98	10,015	4.85	486	1-72		39	815	.01	39	57
93-10-0037	2458193	552896	2-68	2	302	12,715	4.50	572	104	10,000	4.89	489	12-71		39	667	-.05	25	41
93-10-0037	2458194	552896	2-68	1	305	11,410	4.58	523	96	9,860	4.88	481	12-70		35	529	-.03	21	33
93-10-0214	2453618	549201	1-68	1	305	18,150	3.58	649	9	9,790	4.53	443	1-72		23	657	-.13	16	33
93-10-0309	2402346	548347	8-66	3	305	14,457	4.40	636	19	11,747	4.27	502	3-71		32	468	.02	24	34
93-10-9011	2441281	570573	9-67	2	305	16,430	4.38	719	6	12,235	4.63	567	2-71		31	537	-.01	24	36
93-12-0119	2307638	501586	4-64	4	305	13,590	4.83	657	13	11,493	4.78	549	9-71		42	524	.00	24	36
93-12-9005	2053566	510014	8-60	9	305	16,472	3.92	646	16	12,543	4.50	564	11-71		41	761	-.16	18	38
93-12-9005	2251708	511244	1-64	6	305	18,770	3.90	732	16	12,637	4.44	561	3-72		44	985	-.19	24	5[illegible]
93-12-9005	2293319	562275	1-65	5	304	15,974	4.44	710	27	12,502	4.47	559	7-71		35	687	.00	32	47
93-12-9005	2354649	562275	3-66	4	305	16,245	4.12	670	20	12,915	4.42	571	5-71		33	651	-.07	23	39
93-12-9005	2388872	562275	11-66	3	305	14,480	4.73	685	19	12,947	4.43	573	7-71		32	377	.06	24	31
93-12-9005	2388875	566452	9-66	3	305	15,350	4.67	717	27	12,616	4.53	572	3-71		32	459	.02	23	33
93-21-0078	2097444	463153	12-60	1	305	14,580	4.05	590	12	11,180	4.22	472	7-71		35	598	-.06	21	35
93-21-0078	2357081	558722	9-65	1	305	16,360	4.31	705	20	10,630	4.37	464	10-71		19	550	-.02	23	36
93-24-0010	2156805	491754	6-62	2	305	17,965	4.58	822	13	13,315	4.70	626	1-72		36	775	-.03	32	50
93-24-0010	2384058	533769	1-67	1	305	18,160	4.45	809	15	12,370	4.87	602	4-71		36	669	-.13	17	34
93-24-9062	1835843	526692	9-57	12	304	13,861	4.81	667	71	11,716	4.71	552	2-72		36	439	.04	24	33
93-24-9062	2182960	550012	11-62	6	304	16,318	4.20	685	91	12,183	4.68	570	12-71		36	752	-.13	21	4[illegible]
93-24-9062	2232775	489557	10-63	5	305	14,740	4.88	719	107	12,190	4.61	562	1-72		36	375	.08	26	33
93-24-9062	2262755	550012	1-64	5	305	15,472	4.53	701	82	11,790	4.67	551	6-71		36	679	-.05	26	42
93-24-9062	2262762	550012	2-64	4	302	14,337	4.62	663	81	11,852	4.67	553	10-70		35	489	-.02	20	31
93-24-9062	2289474	550012	10-64	4	305	14,400	4.88	703	89	11,840	4.67	553	11-71		35	500	.02	25	36
93-24-9062	2359887	550012	12-65	3	305	15,210	4.85	737	90	11,376	4.75	540	8-71		33	639	.01	30	44
93-24-9062	2363712	533769	12-65	3	305	16,050	4.17	670	87	11,313	4.68	530	6-71		42	759	-.16	13	38
93-24-9062	2372027	533769	4-66	3	305	15,167	4.43	672	70	11,923	4.62	551	3-71		42	595	-.11	16	31
93-24-9062	2372034	545358	5-66	3	303	15,320	4.59	703	87	11,320	4.66	528	7-71		34	552	.01	27	39
93-24-9062	2388687	533769	9-66	3	300	16,490	4.11	677	104	11,547	4.70	543	10-71		42	786	-.18	17	38
93-24-9062	2388688	567677	9-66	2	304	13,975	5.27	736	86	11,690	4.63	541	5-71		25	310	.11	26	31
93-24-9062	2394415	568302	12-66	3	302	15,977	4.31	689	117	12,103	4.65	563	11-71		29	562	-.06	20	34
93-24-9062	2413297	550012	5-67	2	305	16,120	4.32	697	80	11,275	4.75	535	7-71		30	700	-.09	23	4[illegible]
93-24-9062	2436594	550012	10-67	2	305	15,180	4.60	698	96	11,575	4.73	548	11-71		30	558	-.04	21	34
93-24-9062	2450770	550012	3-68	2	305	15,515	4.40	682	100	11,780	4.70	554	11-71		30	575	-.07	19	33
93-24-9062	2482979	573930	2-69	1	305	15,820	5.07	802	82	12,600	4.59	578	2-72		27	366	.08	25	32
93-24-9062	2482983	573930	4-69	1	305	18,080	4.12	744	94	12,490	4.69	586	12-71		27	568	-.07	19	33
93-24-9062	2493079	573930	4-69	1	295	15,290	4.96	759	118	11,560	4.83	558	9-71		27	401	.04	23	31

TABLE 2. GUERNSEY USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C D	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
93-34-0201	2471412	552896	7-68	1	305	13,240	4.74	627	5	10,700	4.75	508	6-71		35	611	-.01	27	$ 41
93-34-0282	1630424	470145	11-54	3	305	14,903	4.97	741	53	11,373	4.61	524	5-71		33	439	.09	30	38
93-34-0282	2190708	553183	12-62	2	298	14,020	5.32	746	45	11,805	4.56	538	4-71		25	303	.14	28	32
93-34-0282	2282430	552896	10-64	4	292	13,782	4.32	595	46	11,455	4.64	531	3-71		42	675	-.07	24	40
93-34-0282	2294278	552896	12-64	4	301	13,150	4.92	647	38	11,225	4.65	522	7-71		42	622	.03	32	45
93-34-0282	2294815	552896	2-65	4	303	12,150	4.50	547	48	11,082	4.72	523	10-71		42	512	-.04	19	31
93-34-0282	2320299	552896	3-65	5	289	12,672	4.13	523	48	10,986	4.70	516	10-71		43	593	-.10	17	32
93-34-0282	2320300	552896	5-65	5	302	15,466	4.29	664	38	11,422	4.70	537	9-71		43	908	-.08	33	55
93-34-0282	2337973	552896	8-65	4	303	14,195	4.35	618	53	11,000	4.68	515	8-71		42	779	-.06	29	47
93-34-0282	2349334	562300	9-65	4	305	16,685	4.57	762	49	11,245	4.68	526	7-71		34	872	-.02	38	58
93-34-0282	2360650	545596	11-65	4	295	14,033	4.96	696	54	11,370	4.62	525	2-71		33	446	.07	28	36
93-34-0282	2363599	568288	9-65	2	305	16,315	4.36	711	60	11,145	4.56	508	1-71		25	668	-.04	27	42
93-34-0282	2370407	552896	1-66	3	302	15,290	4.87	745	54	11,430	4.60	526	2-71		41	840	.03	42	60
93-34-0282	2411535	552896	11-66	3	298	13,823	4.88	675	31	11,433	4.67	534	11-71		41	668	.02	33	47
93-34-0282	2411539	560109	10-66	4	305	13,573	4.77	647	49	10,975	4.67	513	11-71		33	443	.02	23	32
93-34-0282	2411565	560109	12-66	3	298	15,737	4.64	730	55	11,390	4.60	524	2-71		32	665	.01	32	46
93-34-0282	2411572	546331	2-67	3	305	14,637	4.72	691	35	11,670	4.64	542	9-71		42	516	.04	28	39
93-34-0282	2419860	568183	5-67	3	305	13,823	4.93	682	36	10,890	4.64	505	3-72		29	431	.06	26	34
93-34-9076	2379543	570573	11-66	4	305	14,352	4.67	670	50	12,355	4.27	527	2-72		35	333	.09	25	31
93-34-9076	2389852	570573	1-67	3	305	13,803	4.95	683	41	11,733	4.32	507	8-71		34	315	.13	28	33
93-34-9076	2415994	511244	7-67	3	305	15,397	4.57	703	55	12,517	4.22	528	1-72		42	520	-.02	22	34
93-34-9076	2483365	573212	10-68	1	305	17,520	4.26	746	50	11,570	4.34	502	9-71		23	578	-.02	25	38
93-34-9076	2499258	557482	8-69	1	305	17,920	3.78	677	71	12,370	4.21	521	1-72		35	623	-.12	16	32
93-39-9015	2159749	552896	6-62	7	296	14,281	4.24	605	97	13,102	4.40	577	11-70		43	554	-.04	21	34
93-39-9015	2222195	516329	7-63	4	305	16,110	4.62	744	112	13,230	4.27	565	1-71		36	507	.09	33	42
93-39-9015	2224363	516329	7-63	6	300	17,170	4.29	737	102	13,635	4.21	574	12-71		37	627	.03	32	45
93-39-9015	2242894	552896	1-64	5	305	15,288	4.06	620	129	13,058	4.28	559	9-70		43	691	-.06	25	41
93-39-9015	2297207	422711	5-64	4	305	17,405	3.96	689	139	13,472	4.19	565	7-71		42	686	-.14	17	35
93-39-9015	2303196	561489	10-64	4	305	18,630	3.57	665	99	13,315	4.31	574	2-71		30	858	-.22	16	39
93-39-9015	2310788	552390	8-64	5	299	18,986	3.78	717	115	13,186	4.35	573	5-71		36	1,003	-.17	27	53
93-39-9015	2346898	530378	7-65	5	301	17,714	4.12	729	109	14,144	4.14	586	2-72		38	672	-.07	24	40
93-39-9015	2356794	564217	8-65	4	302	17,230	4.16	717	116	13,955	4.16	580	5-71		30	558	-.03	23	36
93-39-9015	2380655	564217	5-66	4	296	16,585	4.25	705	131	13,855	4.13	572	3-72		30	473	.00	22	32
93-39-9015	2381306	568836	6-66	3	305	15,673	4.19	656	112	14,270	4.12	588	4-72		32	512	-.04	19	31
93-39-9015	2391472	568836	7-66	2	305	17,955	3.90	701	136	15,180	4.04	614	12-71		29	673	-.09	21	38
93-39-9015	2416737	530378	3-67	3	305	18,140	3.87	702	124	13,880	4.09	568	5-71		35	703	-.11	21	39
93-39-9015	2417497	568836	3-67	3	305	17,790	3.90	694	147	14,127	4.13	583	11-71		32	819	-.12	25	45
93-39-9015	2418078	568836	3-67	3	305	16,043	4.01	644	142	14,133	4.04	571	12-71		32	580	-.06	20	34
93-39-9015	2424599	568836	4-67	3	305	19,833	3.61	716	151	13,907	4.14	576	10-71		32	1,125	-.20	29	58
93-39-9015	2432899	552896	7-67	2	288	15,505	4.19	650	141	14,255	4.17	594	9-71		39	559	-.03	23	36
93-39-9015	2435562	552896	7-67	3	305	18,020	4.02	724	141	13,976	4.14	579	10-71		41	891	-.06	34	55
93-39-9015	2441014	539419	8-67	3	305	20,663	3.64	752	125	15,310	4.04	619	2-72		42	804	-.18	18	39
93-39-9015	2455750	568836	1-68	3	303	17,387	3.68	640	104	15,170	4.01	609	4-72		32	636	-.13	15	32
93-39-9015	2455951	546331	1-68	2	305	17,345	4.06	705	138	14,445	4.12	595	7-71		40	500	-.01	22	33
93-39-9015	2457212	568836	2-68	2	305	18,930	3.72	705	141	14,850	4.08	606	10-71		29	827	-.14	23	44
93-39-9015	2461692	572858	3-68	2	305	20,490	3.58	734	156	14,935	3.98	595	1-72		28	866	-.15	24	46
93-39-9015	2464698	552896	4-68	2	305	18,165	3.72	675	139	13,955	4.15	579	8-71		39	863	-.12	27	48
93-39-9015	2466423	552896	5-68	2	298	17,005	3.82	650	148	14,040	4.15	582	7-71		39	735	-.08	25	43
93-39-9015	2467635	552896	6-68	1	305	19,880	3.64	724	140	14,060	4.15	583	10-70		35	888	-.11	2[illegible]	51
93-39-9015	2467976	552896	5-68	2	302	16,295	4.22	688	143	14,070	4.13	581	7-71		39	658	-.01	29	44
93-39-9015	2473830	552896	7-68	2	305	16,460	3.85	633	146	14,445	4.09	591	10-71		39	641	-.07	22	37
93-39-9015	2473832	552896	7-68	2	285	16,390	4.12	676	145	13,925	4.17	580	8-71		39	682	-.04	27	43
93-39-9015	2476848	546331	8-68	1	305	19,540	3.94	769	124	15,040	4.16	625	2-71		36	544	-.03	22	35
93-39-9015	2477035	552896	4-68	2	305	16,385	3.81	625	144	14,090	4.14	584	9-71		39	666	-.08	22	38
93-39-9015	2479701	552896	9-68	2	285	16,195	3.95	639	134	14,770	4.12	608	10-71		39	583	-.06	21	35
93-39-9015	2479702	572858	9-68	2	305	17,655	4.17	737	139	15,285	4.02	614	1-72		28	483	.00	22	33
93-39-9015	2482455	552896	9-68	1	305	16,820	4.00	672	123	14,380	4.15	597	11-70		35	632	-.05	24	39
93-39-9015	2482874	552896	9-68	2	290	16,180	4.12	667	134	14,770	4.12	608	10-71		39	581	-.03	24	37
93-39-9015	2484173	546331	10-68	2	205	19,050	3.76	716	121	15,345	4.03	619	1-72	B	40	591	-.06	21	35
93-39-9015	2488695	546331	11-68	2	301	21,050	3.45	726	120	15,605	4.02	628	1-72		40	771	-.13	21	41
93-39-9015	2489088	552896	9-68	1	305	16,490	4.21	694	128	15,180	4.13	627	2-71		35	551	-.01	24	36
93-39-9015	2491723	552896	8-68	2	305	19,025	3.99	760	138	15,140	4.01	607	1-72		39	841	-.04	34	53
93-39-9015	2500976	558947	4-69	1	305	21,030	3.50	737	145	14,660	4.17	611	5-71		34	598	-.09	18	33
93-39-9015	2502383	552896	2-69	1	305	16,520	4.33	715	146	14,460	4.20	607	7-71		35	603	-.01	27	40
93-39-9015	2502394	573181	3-69	2	298	19,250	3.71	714	118	15,675	4.00	627	3-72		35	544	-.07	18	31
93-39-9015	2503281	552896	5-69	1	291	15,890	4.44	706	146	14,460	4.20	607	7-71		35	555	.00	26	38
93-39-9015	2508221	552896	6-69	1	305	20,030	3.71	743	139	14,230	4.23	602	8-71		35	888	-.11	29	51
93-39-9015	2509815	546331	7-69	1	295	19,970	3.35	668	155	14,500	4.19	607	9-71		36	612	-.11	16	32
93-39-9015	2516134	552896	8-69	1	305	17,530	4.25	745	130	16,030	3.94	631	12-71		35	572	.01	27	39
93-39-9015	2520124	570686	10-69	1	296	22,030	3.55	781	95	16,060	3.90	626	3-72		23	712	-.15	17	36
93-39-9015	2524364	552896	12-69	1	305	17,480	3.91	683	130	16,030	3.94	631	12-71		35	569	-.03	23	36
93-39-9015	2524368	552896	12-69	1	299	19,030	3.79	722	101	16,140	3.88	626	3-72		35	680	-.05	26	42
93-39-9015	2524449	546331	11-69	1	305	20,570	3.68	756	125	15,930	3.95	629	12-71		36	561	-.05	21	34
93-39-9015	2537048	572858	2-70	1	305	19,250	4.05	779	98	16,030	3.88	622	3-72		22	489	-.01	21	32
93-39-9015	2537049	546331	2-70	1	305	20,320	3.67	745	92	16,010	3.87	620	3-72		36	537	-.04	21	33
93-40-9049	2408644	556234	5-67	2	305	15,480	5.26	814	8	12,175	4.97	605	9-70		35	449	.10	31	39
93-40-9049	2408648	556234	12-66	3	305	15,563	5.01	779	12	12,300	4.83	594	5-71		38	496	.08	31	40
93-40-9049	2443174	546331	7-67	2	305	14,925	4.67	697	15	11,955	4.97	594	5-71		40	482	.00	22	33
93-49-0099	2296427	529773	11-63	3	305	14,040	4.39	616	40	10,723	4.72	506	5-71		42	457	.01	22	32
93-49-0099	2423858	557896	1-67	3	305	14,013	4.49	629	45	11,043	4.72	521	11-71		35	547	-.07	18	31
93-49-0099	2518020	556234	8-69	1	301	17,390	4.55	792	25	12,430	4.56	567	3-72		31	493	.03	26	36
93-49-0268	2161142	510014	7-62	2	300	14,340	4.52	648	39	11,290	4.75	536	2-71		36	547	-.06	19	32
93-49-0268	2413263	533769	8-66	3	302	15,427	4.34	669	41	11,057	4.90	542	10-71		42	714	-.16	16	35
93-49-0268	2451514	571884	3-68	2	297	14,360	4.59	659	33	11,080	4.86	538	1-72		29	501	-.03	20	32
93-49-0268	2469165	552896	7-68	1	305	13,840	4.49	621	33	11,940	4.74	566	4-71		35	572	-.04	22	35

TABLE 2. GUERNSEY USDA-OHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C D	REPT (%)	.......C O W I N D E X...... MILK (LB)	FAT (%)	FAT (LB)	DOLLARS
93-49-0271	2440731	569386	4-67	3	305	15,350	4.26	654	16	11,807	4.69	554	10-71		32	638	-.10	19	$ 35
93-49-0271	2446603	546626	11-67	2	305	16,345	4.32	706	19	12,295	4.64	571	12-71		40	478	-.02	20	31
93-49-9065	2351948	566944	1-66	4	305	15,027	4.32	649	47	10,687	4.58	489	8-71		35	763	-.08	26	44
93-49-9065	2377172	566944	8-66	3	305	15,116	4.17	630	51	10,740	4.56	490	9-71		34	730	-.11	22	40
93-49-9065	2377181	566944	7-66	2	305	15,050	4.27	643	29	10,925	4.69	512	10-70		31	644	-.09	20	36
93-49-9065	2429888	--566944	11-66	3	305	15,596	4.05	631	42	10,893	4.57	498	12-71		34	776	-.14	21	41
93-49-9065	2456465	566944	1-68	2	305	15,430	4.12	636	38	11,005	4.62	508	2-71		31	680	-.12	19	36
93-49-9065	2456471	566236	8-68	1	305	17,260	3.99	689	64	11,130	4.47	498	6-71		24	647	-.08	21	37
93-50-0271	2288856	491754	11-64	4	289	13,727	4.88	670	12	11,810	4.61	544	11-71		40	497	.03	26	36
93-50-0271	2361850	549235	12-65	3	305	16,570	4.43	734	13	12,240	4.52	553	5-71		42	756	-.11	23	42
93-50-0271	2476993	573941	4-68	2	305	16,940	4.18	708	13	11,890	4.84	575	7-71		25	663	-.12	18	35
93-50-0692	2408877	552926	1-67	3	304	13,306	5.25	699	31	10,923	4.76	520	9-71		32	365	.11	28	34
93-54-0060	2306301	549973	10-63	2	305	18,120	4.65	842	36	13,220	4.55	601	2-72		29	677	.00	31	46
93-54-0060	2448793	556234	3-68	2	305	15,220	4.97	756	36	12,445	4.69	584	1-72		35	394	.08	27	34
93-54-0060	2450048	546331	8-67	1	305	18,090	4.18	756	47	13,660	4.52	618	3-71		36	528	-.02	22	34
93-54-0060	2486683	572113	2-69	1	305	14,530	5.15	748	31	10,410	4.70	489	8-71		23	495	.07	30	40
93-54-0060	2486696	572113	7-68	2	302	16,150	4.58	740	25	13,015	4.54	591	1-72		29	525	.02	26	37
93-54-0060	2486703	572113	1-69	1	305	15,060	4.84	729	27	11,240	4.73	532	10-71	A	23	476	.03	25	35
93-54-0060	2486715	572113	8-67	1	305	19,680	4.06	799	30	13,310	4.53	603	2-71		23	725	-.07	26	43
93-54-0060	2495105	572113	1-69	1	305	14,510	4.95	718	27	11,240	4.73	532	10-71		23	426	.04	24	33
93-54-0060	2536634	572113	4-69	1	305	18,010	4.72	850	20	12,730	4.45	566	3-72		23	621	.04	33	46
93-54-0060	2548505	572113	5-69	1	305	15,050	5.10	768	27	11,240	4.73	532	10-71		23	475	.07	29	38
93-54-0060	2556688	558947	1-70	1	305	17,320	5.01	867	45	11,760	4.76	560	11-71		34	513	.07	31	41
93-54-9337	2126897	491754	12-61	3	304	15,890	4.04	642	14	12,276	4.79	588	1-72		38	702	-.14	17	35
93-54-9337	2199773	551010	12-62	2	305	15,865	4.81	763	14	11,130	4.86	541	2-71		25	613	.01	29	42
93-54-9337	2213632	491754	6-63	3	305	14,266	4.68	668	13	11,916	4.63	552	5-71		38	541	-.01	24	36
93-54-9337	2483452	565968	8-68	2	305	17,460	4.97	867	17	12,440	4.69	583	1-72		25	666	.07	38	51
93-54-9337	2483453	565968	7-66	2	305	19,075	4.29	818	18	12,175	4.63	564	8-71		25	900	-.07	34	55
93-56-0019	1979309	538251	8-59	3	301	14,000	4.64	650	237	10,883	4.66	507	12-71		29	457	.00	21	31
93-56-0019	2182796	491754	11-62	2	305	15,615	4.94	771	250	10,995	4.60	506	1-72		36	747	.03	38	54
93-56-0019	2260719	557896	2-64	2	305	16,095	5.52	888	266	10,515	4.62	486	6-71		32	801	.12	50	65
93-56-0019	2273073	491754	3-64	2	305	14,180	4.29	608	256	10,775	4.59	495	6-71		36	613	-.07	21	36
93-56-0019	2364037	557896	1-66	2	303	14,920	4.13	616	258	10,745	4.58	492	5-71		32	642	-.11	18	34
93-56-0019	2369190	557896	12-65	2	305	14,715	4.34	639	184	10,635	4.69	499	2-71		32	629	-.08	20	35
93-56-0019	2369192	557896	12-65	2	300	14,970	4.22	631	257	10,725	4.60	493	6-71		32	649	-.10	19	35
93-56-0019	2376303	557896	5-66	3	295	14,780	4.40	650	213	10,936	4.66	510	11-71		35	659	-.08	22	38
93-56-0019	2381397	563101	6-66	2	292	15,440	4.29	662	269	10,780	4.58	494	5-71		25	599	-.05	22	36
93-56-0019	2386217	491754	7-66	1	305	14,380	5.05	726	262	10,390	4.62	480	10-70		31	577	.02	29	41
93-56-0019	2390727	562993	8-66	2	305	15,255	4.25	648	227	10,740	4.61	495	12-70		29	604	-.08	19	34
93-56-0019	2390730	491754	8-66	2	305	12,485	4.90	612	257	10,855	4.55	494	5-71		36	421	.02	22	31
93-56-0019	2409090	491754	9-66	3	276	14,700	4.69	689	258	11,143	4.55	507	2-72		38	681	.00	31	46
93-56-0019	2409116	491754	11-66	2	297	13,210	4.63	611	254	10,760	4.62	497	10-71		36	509	-.01	22	33
93-56-0019	2413441	564683	2-67	3	305	13,787	4.73	652	170	10,827	4.72	511	11-71		32	478	-.01	21	32
93-56-0019	2413442	564683	2-67	2	279	15,600	4.00	624	251	10,470	4.65	487	6-71		29	692	-.13	18	36
93-56-0019	2432367	534519	7-67	2	297	15,575	4.51	702	223	10,880	4.57	497	1-71		31	536	.02	27	38
93-56-0019	2440066	564683	9-67	3	293	15,237	4.38	667	228	11,160	4.57	510	2-72		32	635	-.06	23	38
93-56-0019	2450508	557896	12-67	2	305	15,465	4.19	648	235	11,005	4.62	508	2-72		32	677	-.10	20	37
93-56-0019	2450509	491754	12-67	2	305	14,875	5.17	769	254	11,030	4.61	508	1-72		36	663	.07	38	51
93-56-0019	2453835	550462	1-68	2	296	14,275	4.83	689	262	10,795	4.56	492	5-71		31	346	.12	28	33
93-56-0019	2459228	567213	3-68	2	305	17,785	3.89	692	258	10,955	4.62	506	12-71		28	896	-.16	24	47

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS.

COW'S LAST HERD CODE	REGISTRATION COW NUMBER	REGISTRATION SIRE NUMBER	COW BORN MO-YR	COW'S AVERAGE PRODUCTION RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	HERDMATE AVERAGES NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	TCO	REPT (%)	COW INDEX MILK (LB)	FAT (%)	FAT (LB)	DOLLARS
11-10-0001	5544729	1377802	2-62	8	301	18,367	3.48	640	48	14,336	3.69	529	11-71		39	917	-.01	31	$ 53
11-10-0001	5680320	1377803	8-62	7	290	18,628	3.82	711	50	14,512	3.60	523	10-71	H	39	862	.01	33	53
11-10-0001	7205686	1478868	6-68	2	305	21,775	3.74	815	45	16,150	3.59	580	12-71		30	694	.05	32	47
11-10-0001	7557565	1404202	8-69	1	305	28,140	3.03	853	56	16,130	3.70	597	11-71		36	1,286	-.14	24	59
11-10-0005	6384404	1368763	8-67	2	305	26,925	3.08	830	29	17,890	3.75	670	3-71		40	1,049	-.15	14	43
11-10-0005	7075786	010255163	3-64	4	305	19,905	4.03	803	33	15,508	3.81	591	12-71		43	429	.14	36	43
11-10-0005	7089740	010255163	5-66	3	305	23,623	4.15	980	25	16,260	3.77	613	4-72		42	743	.17	52	65
11-10-0005	7432110	010274043	1-68	2	305	22,510	3.47	780	39	15,220	3.91	595	9-71		39	879	-.08	20	43
11-10-0005	7569555	1427381	10-69	1	305	21,200	3.63	770	40	17,160	3.88	665	1-72		36	1,089	.02	43	68
11-10-0011	6775788	1442659	12-66	3	305	21,123	3.81	805	36	15,943	3.79	604	6-71		34	751	.03	31	48
11-10-0011	6885431	1308429	8-67	3	305	21,053	3.64	766	60	15,033	3.78	568	8-71		42	869	-.05	23	45
11-10-0011	7068575	1404202	2-68	2	305	21,220	3.65	775	54	15,260	3.74	571	6-71		40	970	-.06	26	51
11-10-0011	7091932	1501809	2-68	2	305	22,015	3.80	836	45	14,810	3.68	545	9-71		29	996	.03	41	64
11-10-0011	7103940	1501809	4-68	2	298	22,855	3.63	830	48	16,020	3.69	591	1-72		29	966	.01	36	59
11-10-0011	7131071	1398216	8-68	2	305	23,645	3.92	926	42	16,965	3.63	616	2-72		40	1,048	.01	39	64
11-10-0011	7476502	1387978	8-69	1	305	22,160	4.06	900	47	16,880	3.62	611	1-72		36	841	.04	37	56
11-10-0013	6379728	1440135	10-65	4	305	21,353	3.68	785	29	16,133	3.82	616	2-72		35	825	-.02	27	47
11-10-0013	6676320	1454800	11-66	4	304	21,432	3.84	823	25	16,795	3.78	635	4-72		42	669	.03	28	43
11-10-0013	6893144	1462001	10-67	1	305	21,540	3.85	830	31	14,950	3.85	576	8-70		31	883	-.03	27	49
11-10-0013	6975366	1462001	12-67	2	305	20,045	3.70	742	36	14,900	3.87	577	10-71		35	887	-.05	24	47
11-10-0013	7437874	010291760	10-67	2	305	21,020	4.21	884	33	15,425	3.77	582	6-71		31	733	.07	37	53
11-10-0013	7440579	010275932	6-69	1	305	25,850	3.61	932	39	14,570	3.90	568	10-71		36	972	.00	35	58
11-10-0015	6784840	1308429	10-66	3	305	23,780	3.11	740	29	16,387	3.72	610	2-72		42	1,042	-.14	16	45
11-10-0015	7552313	1546361	12-69	1	305	19,790	3.64	720	28	15,730	3.59	565	1-72		23	697	.00	25	42
11-10-0015	7552316	1546361	1-70	1	305	22,960	3.54	812	28	15,970	3.59	574	12-71		23	965	-.01	33	56
11-10-0015	7552317	1546361	1-70	1	305	24,330	3.45	840	28	15,970	3.59	574	12-71		23	1,089	-.03	35	62
11-10-0028	6526792	1462001	12-65	4	305	20,885	3.89	812	16	17,177	3.57	613	7-71		39	829	.01	32	51
11-10-0028	6806085	1454800	9-66	4	305	22,095	3.71	819	31	17,765	3.59	637	2-72		42	642	.03	27	42
11-10-0032	6407543	1237057	10-65	4	305	17,488	3.67	642	13	12,010	3.79	455	10-71		44	910	-.04	27	50
11-10-0033	6310610	1308429	1-65	3	297	21,980	3.48	764	14	14,743	3.54	522	2-71		42	1,006	-.05	28	53
11-10-0033	6841579	1273756	2-67	1	305	21,620	3.46	748	11	15,360	3.72	572	1-71		36	810	.01	30	49
11-10-0033	6841580	1254887	3-67	1	305	20,910	4.43	926	12	15,460	3.56	551	2-71		36	516	.09	32	42
11-10-0037	7075841	010255163	12-65	4	305	19,418	4.14	804	34	15,143	3.79	574	11-71		43	409	.16	38	44
11-10-0038	6856274	1290716	3-67	3	305	19,353	3.64	705	5	13,410	3.63	487	3-72		42	672	.09	38	52
11-10-0042	6037723	1412128	3-64	6	299	21,713	3.28	712	18	15,260	3.60	549	3-72		44	880	-.08	19	42
11-10-0069	6751729	1254887	12-66	3	305	21,243	4.04	858	13	16,117	3.70	597	3-72		42	702	.06	34	49
11-10-0069	6956991	1462001	10-67	2	305	19,890	3.83	761	14	16,300	3.62	590	11-71		35	732	-.02	24	42
11-10-0111	6669117	1273756	8-66	4	302	20,873	3.68	769	19	16,958	3.84	652	12-71		44	814	.01	31	5[illegible]
11-10-0111	7430365	1506872	6-69	1	305	22,510	3.38	761	17	16,830	3.71	624	8-71		31	755	-.02	24	43
11-10-0190	6829024	1273756	12-66	3	305	22,770	3.44	784	19	14,683	3.62	532	11-71		42	1,239	.00	44	74
11-10-0190	6829027	1330987	4-67	3	305	18,197	3.98	724	15	14,977	3.57	534	1-72		42	666	.09	37	51
11-10-0190	6933051	1330987	7-67	3	305	17,783	3.54	630	18	14,530	3.59	522	10-71		42	664	.03	28	43
11-10-0190	7066601	1330987	1-68	3	302	19,537	3.38	660	13	14,930	3.58	535	2-72		42	825	.00	30	50
11-10-0196	7130103	1501809	7-68	1	305	23,500	3.14	737	24	15,690	3.61	567	1-71		23	847	-.06	22	44
11-11-0035	7406436	1419528	8-69	1	305	20,830	4.00	834	19	13,830	4.01	554	12-71		36	781	.04	34	52
11-11-0040	6554465	1273756	5-66	3	305	23,650	4.08	965	21	15,370	3.94	605	2-72		42	1,269	.07	57	85
11-11-0040	6621551	1273756	8-66	4	305	22,523	3.79	853	17	15,085	3.94	594	3-72		44	1,226	.02	48	77
11-12-0007	6362049	1321904	8-64	5	305	19,556	3.37	659	28	13,516	3.54	479	11-71		44	924	-.03	28	51
11-12-0021	5931695	1330987	9-63	6	305	18,683	3.36	628	22	14,770	3.60	531	6-71		44	788	.00	28	47
11-12-0021	6235987	1290961	11-64	3	305	19,913	3.60	716	20	15,850	3.50	554	8-71		34	694	.01	26	42
11-12-0037	7502170	1450228	1-70	1	305	18,810	3.55	668	12	15,710	3.49	549	2-72		35	826	-.02	26	46
11-12-0038	7502645	1508685	8-69	1	305	26,100	3.57	931	9	19,100	3.46	660	3-72		35	930	-.04	27	50
11-12-0065	7367835	010278293	8-68	2	296	23,255	2.82	656	21	15,040	3.29	495	11-71		32	1,082	-.12	20	49
11-12-0071	6991442	1482482	10-67	2	305	21,730	3.79	823	18	16,420	3.55	583	12-71	H	30	828	.04	36	55
11-12-0076	6644990	1442895	10-66	3	305	17,590	3.80	669	13	13,857	3.40	471	10-71		32	594	.05	29	42
11-12-0079	7085016	1458744	4-68	1	305	20,170	3.53	711	13	15,870	3.43	545	11-70		36	810	.00	29	48
11-12-0079	7581610	1458744	1-69	2	305	20,455	3.05	623	13	16,450	3.48	572	2-72		40	877	-.07	21	44
11-13-0035	7302896	1492322	9-68	1	305	21,960	3.74	821	25	15,620	3.84	600	10-71		32	731	-.02	24	42
11-13-0048	6198951	1433855	11-64	4	304	16,998	4.36	741	9	14,443	3.89	562	4-71		35	544	.09	33	44
11-13-0051	5898392	1410972	7-63	3	305	21,673	4.26	923	21	17,996	3.86	695	6-71		38	550	.07	31	42
11-13-0051	6005181	1244845	7-63	5	305	22,664	3.86	875	24	17,272	3.83	662	6-71		44	928	.00	33	55
11-13-0051	6570753	1438758	4-66	3	286	21,617	3.54	766	11	14,603	3.88	567	3-71		42	1,094	-.09	25	54
11-13-0051	7200752	1427381	12-68	1	305	22,540	4.45	1004	27	17,400	3.83	666	7-71		36	1,173	.11	60	85
11-13-0051	7291121	1427381	12-68	1	305	19,320	4.02	776	27	17,400	3.83	666	7-71		36	933	.06	43	64
11-13-0055	5907894	1273756	8-63	5	305	19,752	3.71	732	16	15,718	3.81	599	4-71		44	832	.02	33	52
11-13-0060	6286675	1329588	1-65	5	302	17,824	3.61	643	8	12,910	3.87	499	10-71		44	808	-.03	24	44
11-15-0043	6801505	1273756	3-67	3	305	18,977	3.96	752	24	16,410	3.75	616	9-71		42	624	.06	32	45
11-15-0110	6800553	1199324	5-67	3	297	18,047	4.08	737	19	15,973	3.79	606	7-71		42	703	.04	31	47
11-15-0110	7483865	1427381	7-69	1	305	19,960	3.82	762	10	15,400	3.77	581	12-71		36	1,114	.05	48	73
11-15-0115	6697493	1452493	11-66	3	305	23,333	3.62	844	32	17,513	3.97	695	4-71		33	921	-.05	25	48
11-15-0115	6756543	1237057	10-66	4	305	23,828	3.71	883	35	17,833	3.94	702	2-72		44	1,046	-.06	29	55
11-15-0115	6948284	1456331	10-67	3	305	21,490	4.41	948	31	18,316	3.89	713	2-72		36	427	.15	37	43
11-15-0166	6899296	1312008	8-67	3	297	19,893	4.03	801	11	16,207	3.57	579	9-71		42	539	.12	37	47
11-15-0170	7357247	1278644	9-68	1	305	22,050	3.27	720	8	13,280	3.86	512	3-71		36	1,006	-.10	21	48
11-16-0024	5913121	1386482	6-63	6	301	19,188	3.74	717	18	15,355	3.59	551	5-71		38	630	.04	28	42
11-16-0030	6388014	1330987	2-67	3	305	17,250	3.68	634	9	13,683	3.58	490	10-71		42	691	.05	32	47
11-17-0001	6273754	1273756	3-65	5	289	16,864	3.54	597	25	13,330	3.74	498	8-71		44	737	.00	27	44
11-17-0012	6390520	1343044	11-65	3	305	21,963	3.67	807	12	15,543	3.78	588	2-71		34	912	.01	35	56
11-17-0032	6361911	1273756	9-65	4	305	21,748	3.76	818	23	15,450	3.80	587	5-71		44	1,090	.03	44	69
11-17-0032	6625498	1451531	8-66	3	305	22,750	3.57	813	22	16,086	3.86	621	1-72		33	1,061	-.03	34	6[illegible]
11-17-0032	6913346	1495755	8-67	3	277	24,257	4.73	1147	26	16,517	3.91	646	2-72		29	1,134	.21	74	95
11-17-0036	6313234	1273756	3-65	4	291	20,405	3.60	734	10	15,293	3.66	560	3-71	H	44	941	.02	37	59
11-17-0036	6402191	1273756	8-65	4	305	18,183	3.84	698	10	14,578	3.63	529	2-71		44	746	.06	36	52
11-17-0053	6704574	1273756	1-67	3	304	17,443	3.67	640	16	14,127	3.70	523	12-71		42	684	.02	28	44
11-17-0053	7189293	1404202	10-68	1	305	20,220	3.76	760	31	13,880	3.56	494	9-71		36	847	-.04	24	45

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C O	REPT (%)	.......C O W MILK (LB)	I N D E X....... FAT (%)	FAT (LB)	DOL-LARS
11-17-0053	7373106	1404202	6-69	1	305	21,460	3.27	701	15	14,920	3.45	515	3-72		36	870	-.08	19	$ 42
11-17-0080	6124328	1433855	8-64	2	305	16,650	3.65	607	46	12,125	3.74	453	5-71		30	699	.00	25	42
11-17-0080	6360177	1433855	6-65	5	296	17,254	3.64	628	30	12,638	3.73	471	3-72		36	837	.00	30	50
11-17-0080	6376473	1433855	5-65	5	288	16,108	3.68	593	57	12,398	3.71	460	7-71		36	698	.01	26	42
11-17-0080	6376474	1433855	5-65	6	287	16,945	3.58	606	38	12,498	3.71	464	4-72		36	810	-.01	27	47
11-17-0080	6689580	1433855	2-65	5	295	17,122	3.57	611	42	12,812	3.72	477	1-72		36	794	-.02	26	45
11-17-0080	7400667	1372874	8-69	1	305	23,630	3.75	886	61	13,900	3.71	516	1-72		36	956	-.04	28	52
11-17-0098	7331571	1273756	10-66	1	305	19,380	3.93	762	18	14,860	3.61	537	3-71		36	677	.06	33	48
11-18-0003	6655273	1406271	8-66	4	304	21,895	3.86	845	23	18,385	3.70	681	11-71		44	845	.06	40	58
11-18-0035	6293709	1254887	9-64	5	305	18,052	3.20	578	17	12,392	3.45	428	9-71		44	794	-.04	22	42
11-18-0046	7342116	1360676	10-67	2	305	19,635	3.60	706	17	16,210	3.63	588	12-71		39	793	.01	30	49
11-18-0059	5881873	1354189	10-61	7	293	18,161	4.47	812	20	15,203	3.54	538	3-72		35	433	.19	44	49
11-18-0059	7080312	1273756	8-66	4	291	21,123	3.53	746	27	16,445	3.48	572	1-72		44	902	.03	37	58
11-18-0060	6116019	1273756	5-64	5	305	20,370	3.65	744	28	15,346	3.77	579	3-72		44	955	.01	36	58
11-18-0060	6914385	1273756	10-66	2	304	17,950	4.25	763	30	15,705	3.67	577	3-71	H	40	558	.10	35	46
11-18-0066	5374074	1119252	7-61	7	305	19,377	4.19	811	14	15,150	3.79	574	3-72		44	697	.11	41	55
11-18-0066	6415391	1461213	7-65	4	304	17,565	4.42	776	18	14,967	3.86	578	4-71		42	546	.08	31	42
11-18-0066	6628772	1273756	5-66	3	305	19,077	3.71	707	10	14,973	3.91	585	6-71		42	784	.01	30	48
11-18-0066	6840244	1273756	4-67	2	305	19,090	3.91	747	14	15,190	3.97	603	6-71		40	721	.03	31	47
11-18-0067	6973297	1488558	8-67	3	305	21,373	3.57	763	68	16,950	3.72	631	10-71		40	864	-.01	29	50
11-18-0067	7357522	1419528	10-68	2	299	23,820	3.64	866	29	16,450	3.93	646	2-72		40	1,017	.00	37	61
11-18-0083	7471858	1273756	11-67	2	305	19,840	3.53	701	29	15,240	3.76	573	11-71		40	792	.00	29	48
11-18-0125	6356554	1273756	6-65	5	305	18,986	3.39	644	25	15,442	3.46	535	7-71		44	765	.01	29	47
11-18-0125	6864394	1469290	3-67	2	305	23,785	3.43	817	19	17,785	3.49	621	4-71		30	774	.01	29	47
11-18-0136	5717789	1215958	1-62	6	305	19,143	3.63	694	92	15,062	3.60	542	2-71		43	782	.01	29	47
11-18-0136	5807775	1350190	12-61	6	305	19,598	3.59	703	111	14,738	3.62	534	7-71		44	840	-.04	24	45
11-18-0136	6526438	1437730	9-64	4	305	22,320	3.19	711	114	15,407	3.62	558	1-71		35	1,106	-.09	26	55
11-18-0136	6526449	1417208	9-65	4	305	22,215	3.22	716	163	14,458	3.56	515	8-71		44	1,323	-.05	40	73
11-18-0136	6632180	1437730	7-65	4	301	20,412	3.76	768	75	15,385	3.55	546	5-71		35	835	.04	36	55
11-18-0136	7181289	1437730	11-67	2	296	21,240	3.27	695	61	15,090	3.47	523	6-71		30	846	-.04	24	45
11-18-0136	7346294	1437730	8-68	1	305	22,980	3.49	802	82	14,690	3.61	530	11-70		24	855	-.02	28	49
11-18-0136	7346295	1437730	9-68	1	305	24,200	3.45	836	70	15,140	3.54	536	12-70		24	928	-.02	30	53
11-18-0136	7502236	1417208	6-69	1	305	21,730	2.91	632	143	15,310	3.28	502	6-71		36	896	-.04	26	48
11-20-0002	6792478	1312008	3-67	3	305	22,047	3.76	830	32	16,830	3.81	642	1-72		42	722	.05	34	50
11-20-0004	6694223	1273756	8-66	1	305	24,390	3.61	880	7	20,040	3.70	741	2-71		36	703	.02	28	44
11-20-0004	6694224	1273756	8-66	1	305	24,900	3.73	930	11	20,140	3.78	762	1-72		36	734	.03	31	48
11-20-0004	7458883	1508685	10-69	1	292	24,360	4.05	986	16	19,600	3.75	735	12-71		35	763	-.01	26	44
11-20-0027	7379830	1502632	6-69	1	305	24,200	3.34	809	14	15,700	3.62	569	10-71		19	820	-.04	24	45
11-20-0042	7395368	1516360	5-69	1	286	18,140	3.43	622	10	14,350	3.60	516	3-72		33	814	-.01	28	48
11-20-0066	7248196	1505262	8-68	2	297	20,695	3.79	785	49	16,295	3.83	624	11-71		29	739	.02	29	46
11-20-0066	7248200	1505262	9-68	2	305	20,735	3.91	811	38	16,510	3.81	629	1-72		29	720	.03	31	47
11-20-0066	7248202	1505262	9-68	2	298	21,690	3.70	802	49	16,295	3.83	624	11-71		29	859	.00	31	51
11-20-0066	7248205	1505262	10-68	2	297	23,520	3.95	928	51	16,265	3.82	622	10-71		29	1,084	.04	46	71
11-20-0066	7425323	1505262	12-68	1	294	23,630	3.99	944	44	15,580	3.83	597	6-71		23	938	.04	40	61
11-20-0066	7425324	1505262	1-69	1	304	20,270	3.93	796	35	15,330	3.83	587	5-71		23	654	.03	28	43
11-20-0066	7425325	1505262	1-69	1	305	22,080	3.88	857	44	15,580	3.83	597	6-71		23	797	.03	33	51
11-20-0134	7586423	1520161	11-69	1	305	18,870	4.61	870	10	15,250	3.44	525	3-72		32	761	.21	59	71
11-20-0175	7270870	1375967	9-68	2	293	17,540	3.68	645	18	11,400	3.75	427	10-71	B	40	844	-.06	21	43
11-20-0182	7441555	1347940	9-68	2	305	20,410	3.65	745	15	14,090	3.53	498	1-72		40	1,126	.01	42	69
11-20-0184	6996231	1505968	12-67	2	305	28,575	3.25	930	29	16,725	3.71	620	11-71		30	1,781	-.11	47	93
11-21-0003	6606204	1273756	12-65	3	305	19,833	3.95	783	13	16,023	3.84	615	7-71		42	763	.05	35	52
11-21-0003	6606205	1273756	2-66	4	305	20,053	3.77	757	11	16,468	3.78	623	5-71		44	767	.04	33	50
11-21-0003	7395807	1419528	4-69	1	305	19,960	4.29	857	24	15,970	3.73	596	12-71		36	572	.08	33	44
11-21-0007	6776403	1451531	11-66	3	305	23,040	3.61	831	34	15,593	3.70	577	10-71		33	1,159	-.01	41	69
11-21-0007	7048963	1451531	4-68	2	305	18,945	4.14	785	44	15,845	3.65	578	12-71		30	540	.08	32	43
11-21-0007	7396909	1347940	9-69	1	305	18,130	3.57	647	52	15,900	3.57	567	11-71		36	696	.00	25	42
11-21-0009	7004672	1456372	10-67	2	305	19,520	3.85	752	44	15,555	3.59	558	1-72		30	634	.04	29	43
11-21-0014	6325020	1402086	7-64	5	305	24,400	3.14	766	49	15,758	3.58	564	11-71		44	1,119	-.09	27	56
11-21-0014	7291139	1507569	10-68	2	305	23,185	3.97	920	59	17,555	3.63	637	2-72		39	816	.01	31	50
11-21-0015	7665834	1348259	12-68	2	305	20,845	3.45	720	10	14,550	4.01	584	1-72		40	906	-.05	25	48
11-21-0018	6564522	1308429	4-66	4	305	19,243	4.04	778	17	14,620	3.80	555	3-72		44	740	.01	28	45
11-21-0048	5552510	1189870	1-62	6	305	24,622	3.13	771	20	16,707	3.63	607	10-71		44	1,248	-.09	31	63
11-21-0048	5919606	1290961	10-63	4	305	19,465	3.98	774	20	16,572	3.53	585	10-70		36	575	.08	32	44
11-21-0048	6355232	1411214	7-65	4	305	20,790	4.16	864	20	15,595	3.82	595	7-71		44	655	.09	37	50
11-21-0048	6360277	1442001	7-65	5	304	20,562	3.67	754	28	16,248	3.66	595	12-71		36	738	.02	29	46
11-21-0052	6767134	1273756	3-67	3	304	17,660	4.07	718	10	13,847	3.69	511	8-71		42	738	.08	39	54
11-21-0058	7234199	1273756	2-67	3	305	18,803	3.78	710	17	15,710	3.75	589	2-72		42	677	.04	30	45
11-21-0058	7542801	1377691	3-68	2	305	20,925	3.81	798	17	15,780	3.78	596	11-71		40	776	.00	28	46
11-21-0080	6589399	1273756	3-66	4	302	19,433	3.91	760	17	15,485	3.86	597	7-71		44	800	.05	36	54
11-21-0080	6589400	1273756	6-66	4	305	22,933	4.15	951	18	17,020	3.75	638	2-72		44	1,061	.11	55	77
11-21-0087	6916271	1273756	2-66	4	305	17,430	3.92	683	7	15,078	3.75	565	6-71		44	598	.06	30	43
11-21-0106	6491055	1273756	10-65	4	305	21,743	3.84	835	11	17,148	3.63	623	5-71		44	900	.06	42	62
11-21-0106	6685597	1273756	10-66	3	288	20,920	3.66	766	15	16,760	3.59	601	9-71		42	811	.04	35	53
11-21-0123	6951282	1273756	2-67	3	305	18,773	3.40	639	7	14,727	3.84	566	4-72		42	775	-.03	24	43
11-23-0016	6843977	1348259	3-67	3	305	23,047	3.61	833	14	19,373	3.61	699	12-71		42	737	.01	28	45
11-23-0016	6869367	1348259	7-67	3	305	22,093	3.87	856	11	19,877	3.54	704	2-72		42	575	.06	30	42
11-23-0036	5817584	1287412	4-63	6	305	22,168	4.11	912	35	18,038	3.91	706	11-71		42	588	.08	33	45
11-23-0036	7136566	1462001	7-68	2	305	25,585	3.64	932	42	19,235	3.98	766	11-71		35	1,067	-.08	26	54
11-23-0036	7155225	1454800	9-68	2	305	28,160	3.35	943	42	18,900	3.97	751	11-71		39	1,063	-.09	25	53
11-23-0039	7178954	1387978	8-68	2	199	19,055	3.54	674	12	15,290	3.79	579	1-72	B	40	795	-.03	24	44
11-23-0051	6101649	1329588	2-64	5	305	21,528	3.60	776	15	14,828	3.84	570	5-71		44	1,063	-.03	33	59
11-23-0053	7488087	1427381	11-69	1	291	16,130	3.59	579	26	13,760	3.58	493	12-71		36	939	.04	40	61
11-23-0064	6707824	1389471	5-66	3	305	22,653	3.54	802	16	17,313	3.68	637	2-72		42	801	-.04	23	43
11-23-0064	6707828	1461213	11-66	2	305	19,375	4.31	836	13	16,160	3.64	589	9-71		38	575	.08	32	44
11-23-0069	6682144	1273756	9-66	3	277	17,707	3.73	661	14	15,217	3.48	529	7-71		42	602	.06	30	43

TABLE 3. HOLSTEIN USOA-OHIA HIGH RANKING COWS (CONTINUEO).

COW'S LAST HERO CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HEROMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVO MO-YR	T C O	REPT (%)	.......C O W I N O E X....... MILK (LB)	FAT (%)	FAT (LB)	OOL-LARS
11-23-0069	6707931	1273756	12-66	3	268	18,120	3.62	656	29	15,213	3.64	554	11-71		42	649	.02	27	$ 42
11-23-0069	7126927	1387978	9-68	2	305	20,960	2.89	606	24	15,590	3.69	576	11-71		40	961	-.11	17	43
11-23-0069	7148208	1261857	11-67	2	305	17,640	3.93	693	41	15,530	3.65	567	10-71		40	630	.09	36	49
11-23-0090	7235511	1387978	11-68	1	305	22,900	3.51	803	22	17,560	3.80	667	7-71		36	851	-.03	26	47
11-23-0090	7623377	1308429	3-69	1	305	28,400	3.31	939	22	18,250	3.84	701	10-71		36	972	-.10	19	45
11-23-0093	7135480	1404202	7-68	2	298	20,450	3.36	687	16	13,400	3.52	472	1-72		40	1,062	-.08	26	53
11-23-0094	6415319	1273756	10-65	5	305	20,622	3.60	742	8	16,924	3.73	632	2-72		44	804	.01	30	49
11-23-0094	6415320	1273756	11-65	4	305	20,843	3.74	779	6	18,158	3.72	676	5-71		44	677	.04	30	45
12-11-C107	5765238	1222994	9-62	7	298	17,569	3.51	616	20	13,353	3.66	489	6-71		44	785	-.02	26	45
12-11-0108	6800832	1438926	2-67	3	305	20,710	4.19	868	20	17,010	3.68	626	1-72		33	534	.09	33	43
12-11-C108	7091240	1517877	7-68	2	305	21,540	3.68	792	22	16,080	3.71	596	9-71		25	712	.00	26	43
12-11-0121	4929200	1294095	3-59	9	305	21,256	3.97	843	38	15,949	3.71	591	9-71		36	990	.07	47	69
12-11-C121	5305638	1310246	2-61	7	305	20,554	3.66	753	32	15,504	3.72	577	4-71		37	697	.01	27	43
12-11-0121	5388813	1189870	8-61	8	305	22,379	3.46	775	36	15,685	3.71	582	12-71		44	1,077	-.03	34	61
12-11-0129	6830229	1229968	1-66	4	305	18,088	4.14	749	38	14,168	3.79	537	11-71		36	426	.13	35	42
12-11-0129	7078794	1338594	10-67	2	305	19,180	4.25	816	44	14,925	3.82	570	6-71		32	623	.07	33	46
12-11-C149	6624801	1281479	10-66	4	301	22,925	3.64	834	33	16,718	3.77	631	11-71		43	831	.04	36	55
12-11-0149	6855471	1281479	4-67	3	300	19,437	4.25	827	25	15,953	3.79	605	7-71		42	454	.13	36	43
12-12-C105	6845926	1312008	5-67	2	305	20,050	4.06	814	41	15,915	3.75	597	3-71		40	532	.10	34	44
12-12-0105	7108838	1492243	1-68	1	305	19,150	3.97	761	40	16,490	3.68	607	1-71		31	667	.01	26	42
12-12-C112	6503824	1199324	8-65	4	304	19,300	3.76	725	22	15,770	3.89	613	2-71		44	889	-.02	29	51
12-12-0112	7214410	1464844	2-67	3	305	20,210	4.24	857	21	15,733	3.71	583	1-72		29	657	.11	40	53
12-12-C115	5846615	1254887	11-62	7	302	18,670	4.11	767	17	14,614	4.00	585	2-71		44	615	.04	28	42
12-12-0115	7459845	1520161	7-69	1	305	19,030	4.08	777	34	14,500	3.80	551	9-71		32	828	.13	50	66
12-12-0173	6476658	1273756	1-66	4	305	17,873	3.48	622	18	13,673	3.95	540	10-71		44	809	-.03	25	45
12-12-C173	6622142	1273756	10-66	4	301	18,873	3.62	683	17	15,465	3.91	605	1-72		44	733	-.01	25	43
12-12-C209	5715422	1273756	2-63	7	276	18,331	3.65	669	31	15,420	3.53	544	3-72		44	684	.04	31	46
12-13-C109	6958651	1458744	8-67	2	301	16,985	3.72	631	22	14,315	3.65	522	10-71		40	720	.00	26	43
12-13-C109	7254475	1458744	3-68	2	305	18,610	3.24	603	17	14,310	3.63	519	8-71		40	885	-.05	24	46
12-13-0109	7254475	1458744	6-68	1	305	19,490	3.62	705	24	14,070	3.59	505	10-71		36	880	.00	31	52
12-13-C109	7254477	1458744	10-68	1	305	22,080	3.52	777	22	13,970	3.61	504	9-71		36	1,080	-.01	37	63
12-13-C113	4767484	1246708	11-58	9	305	22,420	4.40	987	12	18,136	3.79	687	7-71		39	900	.17	58	75
12-13-C113	5567978	1189870	12-61	7	305	23,713	3.54	840	15	18,420	3.76	692	7-71		44	932	-.02	30	53
12-13-C113	5860270	1399902	3-63	6	305	22,470	3.49	784	18	18,142	3.76	683	1-72		35	808	-.04	23	43
12-13-C113	6684578	1447750	8-66	3	305	21,030	4.42	930	19	19,126	3.82	731	5-71		41	523	.10	34	44
12-13-0113	6382254	1422425	5-67	3	305	20,743	4.41	914	21	17,073	3.72	635	2-72		34	646	.16	48	59
12-13-0116	7242030	1447750	6-68	2	296	18,280	4.15	758	14	14,900	3.78	563	4-72		38	609	.05	29	42
12-13-C146	7043970	1417208	8-67	3	305	20,717	3.61	747	39	16,737	3.91	655	1-72		42	858	-.03	27	48
12-13-C146	7323891	1516360	11-68	2	299	20,955	3.47	727	45	16,050	3.93	630	10-71		38	1,020	-.05	29	55
12-13-0154	5691621	1398315	11-62	6	305	21,922	3.65	801	28	17,465	3.77	659	8-71		36	851	-.03	26	47
12-13-C154	6416224	1449678	10-65	5	300	22,774	3.76	857	15	18,340	3.67	673	3-72		36	940	.04	40	61
12-13-C154	6444691	1449678	9-65	5	295	20,636	3.77	777	35	17,670	3.71	655	8-71		36	710	.03	30	46
12-13-C154	6670598	1449678	10-66	4	291	21,435	3.84	824	23	18,728	3.69	691	1-72		35	672	.04	31	46
12-13-0154	6670603	1398363	12-66	4	295	24,468	3.16	773	25	19,025	3.70	703	12-71		42	903	-.10	18	42
12-13-0154	6922634	1281479	11-67	2	305	22,715	3.64	827	35	17,125	3.77	646	8-71		40	629	.04	29	43
12-13-0154	7271203	1516360	1-69	1	305	21,040	3.55	747	39	16,820	3.87	651	7-71		33	866	-.02	28	49
12-13-0172	6653882	1466975	9-66	3	302	21,333	3.34	713	21	15,330	3.70	567	5-71		29	869	-.06	22	44
12-13-C172	6717545	1449776	11-66	3	302	20,446	4.01	820	27	16,500	3.73	615	11-71		33	618	.06	31	44
12-13-0172	7211405	1512732	9-68	2	305	21,860	4.16	909	34	17,440	3.62	632	3-72		25	598	.10	37	48
12-13-C174	6697708	1461939	9-66	4	243	20,615	3.83	789	17	16,672	3.74	624	1-72	B	33	790	.02	31	49
12-13-0174	6697713	1461939	11-66	3	271	21,450	3.31	711	18	16,316	3.71	605	9-71	B	32	914	-.07	22	46
12-13-C194	5933645	1234506	9-63	6	305	24,253	3.39	821	17	15,433	3.75	579	3-72		44	1,357	-.11	32	67
12-13-C194	6233688	1215995	9-64	6	305	24,723	3.84	949	21	16,137	3.71	598	11-71		44	1,057	.08	50	73
12-13-0201	6191143	1303347	8-64	6	301	21,620	3.57	772	17	17,927	3.47	622	12-71		40	748	.03	32	49
12-13-C201	6647226	1278644	8-66	4	305	21,362	3.44	734	29	16,907	3.60	609	12-71		44	902	-.08	21	45
12-13-C205	6108188	1279868	9-63	5	305	20,542	3.62	743	25	17,900	3.46	619	4-71		42	640	.03	27	42
12-13-0205	6819815	1441695	8-65	4	305	22,685	3.44	780	9	18,595	3.51	652	3-71		35	984	-.04	29	54
12-13-0205	6989113	1441695	4-66	1	305	23,620	3.37	797	11	17,220	3.97	684	12-70		24	982	-.09	21	47
12-13-0205	7339910	1441695	8-68	2	305	26,865	3.61	971	13	15,485	4.00	619	1-72		30	1,726	-.06	52	95
12-13-0205	7339913	1441695	10-68	1	305	22,210	3.69	819	6	14,910	4.02	599	9-70		24	1,041	-.05	30	56
12-13-0206	6921994	1330987	9-67	3	282	20,227	3.97	804	31	18,080	3.51	634	10-71	H	42	578	.10	36	47
12-13-C206	7194390	1427381	10-68	2	305	23,525	3.98	937	25	19,560	3.50	684	11-71		40	1,176	.11	59	84
12-13-C206	7704106	1427381	11-69	1	305	23,850	3.46	825	11	19,240	3.53	679	1-72		36	1,147	.03	46	72
12-13-0210	5909433	1244009	9-63	5	305	19,604	3.59	704	41	15,794	3.60	569	8-71		44	900	-.04	27	49
12-13-C210	7073421	1261857	9-67	2	305	18,055	3.50	632	26	14,375	3.69	530	7-71		40	778	.03	33	51
12-13-C219	5256778	1179372	2-61	6	304	16,893	3.93	664	8	13,098	3.73	489	8-71		44	662	.05	31	45
12-13-0225	6739846	1281479	1-67	3	305	25,553	3.37	860	14	17,357	3.35	582	4-71		42	1,019	.03	42	65
12-13-0249	5932837	1237057	8-63	3	302	21,503	3.21	691	32	16,227	3.52	572	2-72		42	897	-.09	19	43
12-13-0249	6542253	1254887	8-65	4	305	19,835	3.42	678	28	14,435	3.62	523	5-71		44	758	-.03	23	42
12-13-C256	7331596	1404202	5-69	1	305	23,080	3.22	744	11	14,960	3.32	496	2-72		36	988	-.08	23	49
12-14-C121	7050506	1424299	10-67	3	305	21,143	3.61	763	19	14,543	3.69	537	1-72		33	940	-.01	32	55
12-14-0121	7050508	1424299	12-67	2	305	22,045	3.52	777	21	14,085	3.73	525	6-71		30	999	-.03	31	56
12-14-0121	7050511	1377691	12-67	2	305	18,015	3.96	714	24	13,360	3.81	509	6-71		40	701	.02	28	44
12-14-C121	7183458	1399283	7-68	2	305	20,825	3.74	778	27	15,910	3.65	581	11-71		40	766	-.02	25	44
12-14-C121	7369817	1259069	6-69	1	305	26,600	3.42	911	38	16,830	3.59	604	12-71		36	894	-.05	25	48
12-14-C121	7385344	1499133	11-68	2	284	17,800	3.34	594	25	15,380	3.56	548	3-72		37	960	-.08	23	48
12-14-C121	7385351	1377691	6-69	1	305	24,500	3.36	822	32	16,240	3.64	591	10-71		36	884	-.05	25	47
12-14-0158	5611445	1011980	2-62	6	305	17,410	4.17	726	17	14,238	3.69	526	11-71		44	534	.10	34	44
12-14-0167	6541507	1281479	2-66	2	305	22,055	4.01	885	62	16,010	3.60	577	11-71		40	664	.11	41	54
12-14-0173	6735073	1406271	9-66	1	305	20,180	2.74	553	19	13,920	3.66	509	9-71		36	871	-.05	24	46
12-14-0173	7482902	1427381	8-69	1	305	19,210	3.10	596	15	14,950	3.73	558	12-71		36	1,089	-.01	37	63
12-14-0174	6023137	1422201	2-64	5	305	22,456	2.94	660	28	15,956	3.61	576	3-71		35	1,160	-.17	16	48
12-14-0174	6039926	1244185	9-63	7	278	18,363	4.09	751	44	14,097	3.73	526	11-71		44	700	.07	36	51
12-14-0174	6561980	1349319	3-66	4	305	20,805	3.65	759	43	15,338	3.60	552	8-71		44	808	-.01	28	47
12-14-0174	6985574	1273756	11-67	2	305	20,905	3.64	761	38	15,790	3.48	549	5-71		40	850	.04	37	56

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C O	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
12-14-0176	6584586	1273756	3-66	3	305	18,447	3.81	702	55	15,437	3.58	552	2-72		42	664	.05	32	$ 46
12-14-0176	6704877	1458351	7-66	2	305	20,125	4.01	808	37	14,695	3.69	542	8-70		31	567	.09	34	45
12-14-0176	7232758	1459970	3-67	2	304	19,830	3.39	672	47	15,045	3.51	528	2-71		29	779	-.03	23	42
12-14-0176	7232759	1459970	1-68	2	305	23,460	3.33	782	45	14,720	3.53	520	3-71		29	1,254	-.05	38	69
12-15-0105	6738497	1273756	7-66	4	303	18,058	4.03	728	21	15,165	3.79	574	12-71		44	666	.07	35	49
12-15-0119	6506985	1463740	9-65	5	305	21,658	4.10	888	52	15,950	3.79	605	1-72		35	879	.10	47	65
12-15-0119	6620911	1406271	9-66	4	298	19,943	3.34	667	59	15,855	3.80	603	11-71		44	885	-.03	27	49
12-15-0119	6667055	1413165	10-66	3	305	23,246	3.44	799	48	15,880	3.85	611	10-70		42	1,184	-.13	23	55
12-15-0119	6705894	1406271	1-67	3	305	21,137	3.38	714	30	16,623	3.77	626	6-71		42	916	-.02	30	52
12-15-0119	7056012	1413165	12-67	2	305	22,470	3.66	823	51	14,745	3.80	560	9-71		40	1,119	-.09	27	56
12-15-0119	7392571	1399283	7-69	1	305	25,880	3.50	905	59	16,040	3.76	603	12-71		36	1,013	-.06	28	54
12-15-0122	6481042	1273756	8-65	3	288	17,277	3.61	623	38	13,233	3.64	482	6-71	B	42	757	.02	31	48
12-15-0122	6481043	1273756	8-65	4	272	16,860	3.71	626	36	13,715	3.73	511	10-71	B	44	679	.03	29	44
12-15-0150	7211508	1492322	7-68	2	305	19,945	3.86	769	38	14,955	3.79	567	2-72		36	742	.01	28	45
12-15-0151	6830793	1432888	12-66	3	301	19,616	3.84	754	31	13,910	3.79	527	11-71		33	761	.04	33	50
12-15-0151	6922281	1312008	12-67	3	305	20,137	4.04	814	28	15,043	3.81	573	2-72		42	687	.09	39	53
12-15-0151	7197222	1474340	7-68	2	305	21,815	3.63	791	40	15,635	3.74	585	11-71		30	693	.01	27	43
12-15-0163	5940799	1254887	10-62	5	305	18,424	4.48	825	18	15,000	3.97	595	5-71		44	539	.10	34	44
12-15-0163	7174390	1491062	12-67	3	304	20,590	3.46	712	16	15,080	3.86	582	3-72		33	982	-.07	24	49
12-15-0188	6258396	1313490	8-64	6	304	22,065	3.42	754	26	16,128	3.73	601	8-71		44	980	-.07	24	49
12-15-0188	7373583	1427381	5-69	1	305	17,990	3.84	691	30	16,450	3.82	629	7-71		36	897	.04	39	59
12-15-0188	7373584	1427381	9-69	1	305	23,440	3.57	836	30	16,450	3.82	629	7-71		36	1,303	.02	50	80
12-15-0188	7471140	1427381	10-69	1	305	21,440	3.53	756	30	16,980	3.81	647	10-71		36	1,119	.02	43	69
12-16-0101	6795514	1312008	4-67	4	300	20,128	3.65	734	30	15,700	3.61	567	4-72		44	655	.06	32	46
12-16-0101	6987986	1278644	1-68	2	296	20,555	3.51	722	37	15,990	3.59	574	5-71		40	819	-.06	21	42
12-16-0101	7164287	1377691	4-68	2	305	22,260	3.42	761	29	16,770	3.64	610	1-72		40	821	-.04	23	44
12-16-0101	7236585	1516360	12-68	1	305	17,280	4.44	768	34	15,010	3.60	540	8-71		33	700	.08	37	52
12-16-0131	5870339	1254887	4-63	6	302	20,977	3.85	807	45	15,165	3.69	560	5-71		44	849	.04	36	55
12-16-0162	6880342	1348259	1-67	3	296	19,640	3.60	707	16	15,840	3.67	581	3-71		42	710	.00	26	43
12-17-0107	7286742	1377691	12-68	1	305	22,830	4.32	986	23	16,830	4.12	694	10-71		36	720	.03	30	46
12-17-0107	7286743	1516360	2-69	1	305	19,480	4.06	790	22	17,100	4.16	712	8-71		33	725	.01	27	44
12-17-0115	6753822	1273756	8-66	3	305	19,740	3.73	737	18	17,253	3.56	615	12-71		42	625	.05	30	44
12-17-0119	7343699	1312008	4-69	1	305	23,660	3.72	881	25	16,290	3.68	599	9-71		36	666	.06	33	47
12-17-0140	6986740	1376785	7-67	3	305	23,900	3.25	777	19	19,727	3.72	734	11-71		35	941	-.09	20	45
12-17-0143	7577330	1450228	1-70	1	305	19,490	3.80	741	11	15,580	3.73	581	2-72		35	887	-.01	30	51
12-17-0145	5614310	1189870	1-62	7	302	21,606	3.64	786	26	17,514	3.59	629	5-71		44	765	.02	30	48
12-17-0145	6675564	1070036	6-66	4	303	21,198	3.89	825	48	18,768	3.58	672	10-71		44	565	.10	35	46
12-17-0145	7192422	1308429	10-68	2	305	27,560	3.39	934	49	20,215	3.51	709	1-72		40	980	-.07	25	50
12-17-0149	7813722	1520161	9-69	1	305	19,350	3.73	721	7	14,770	3.64	538	10-71		32	834	.11	47	64
12-17-0154	6778124	1368763	2-67	2	305	24,975	2.81	703	14	15,130	3.75	568	2-72		40	1,104	-.19	10	42
12-17-0156	6627609	1450372	11-64	4	300	18,763	3.51	659	28	13,085	3.65	477	6-71		30	843	-.02	27	48
12-18-0106	5577863	1229162	5-62	4	305	22,180	3.57	791	19	15,703	3.78	594	3-71		43	721	.04	32	48
12-18-0106	6405329	1254887	10-65	2	305	21,450	3.73	801	27	15,570	3.81	593	7-71		40	705	.00	25	42
12-18-0134	7298718	1417208	1-69	1	305	22,260	3.01	669	16	14,490	3.37	488	5-71		36	990	-.04	30	55
12-18-0134	7338410	1458744	12-68	1	305	22,770	3.02	688	15	14,690	3.32	488	5-71		36	1,083	-.05	31	58
12-18-0134	7364168	1458744	4-69	1	305	19,210	3.34	641	28	14,700	3.59	527	10-71		36	817	-.03	25	45
12-18-0156	6659977	1273756	11-66	3	305	19,800	3.66	725	11	15,843	3.75	594	4-71		42	777	.02	31	49
12-18-0197	6685063	1273756	5-66	4	271	22,875	3.29	752	22	17,895	3.76	673	9-71	B	44	957	-.06	26	50
12-18-0197	7039327	1396740	3-68	2	271	23,260	3.56	828	22	18,205	3.67	669	7-71	B	40	619	.04	28	42
13-01-0022	6118730	1377802	3-64	3	302	18,140	3.38	614	20	14,886	3.37	501	2-71		36	776	.01	30	48
13-01-0022	6805996	1447750	1-67	3	305	19,413	3.44	668	20	14,710	3.37	495	3-72		41	802	-.01	28	47
13-01-0022	7115003	1447750	7-67	1	305	22,640	4.07	922	15	15,540	3.55	551	10-70		34	823	.05	38	56
13-01-0022	7571785	010302556	8-69	1	305	25,520	2.61	666	21	14,640	3.52	515	4-72		19	1,036	-.14	15	44
13-01-0115	6945738	1348259	12-67	2	295	20,845	3.28	684	23	16,155	3.43	554	10-71		40	760	-.02	24	43
13-01-0137	7220598	1320310	12-68	1	305	15,430	4.28	661	46	12,900	3.35	432	7-71		36	771	.03	32	50
13-01-0137	7293890	1348259	10-68	1	126	21,580	3.28	707	34	13,510	3.36	454	6-71	B	36	877	-.01	30	51
13-01-0137	7344575	1458744	12-67	1	305	21,120	3.47	733	19	14,690	3.55	522	10-70		36	960	-.02	32	55
13-01-0137	7509533	1458744	4-69	1	305	17,250	3.28	566	47	12,810	3.40	435	8-71		36	798	-.02	25	45
13-01-0144	6668304	1458744	2-66	4	305	17,087	3.82	653	15	15,085	3.73	563	6-71		44	681	.01	26	42
13-01-0144	7541436	1308101	1-69	2	305	20,870	3.45	721	23	16,265	3.76	611	4-72		40	1,065	-.06	29	56
13-01-0144	7541437	1308101	5-69	1	305	17,230	3.77	650	23	15,310	3.91	598	9-71		36	765	-.03	23	42
13-01-0144	7541439	1308101	8-69	1	305	18,620	3.38	630	23	15,310	3.91	598	9-71		36	868	-.06	22	44
13-01-0144	7541440	1308101	9-69	1	283	19,520	3.38	660	36	16,640	3.72	619	1-72		36	846	-.05	23	44
13-01-0149	6514787	1350190	11-65	4	303	20,170	2.76	557	22	13,205	3.37	445	9-71		44	1,057	-.15	15	44
13-01-0202	6940270	1348259	9-66	4	250	20,190	3.40	686	26	16,553	3.54	586	10-71		44	727	-.01	24	42
13-01-0202	7127285	1427381	9-68	1	305	21,460	3.36	720	42	16,870	3.58	604	4-71		36	1,128	.01	43	69
13-01-0203	6165213	1330987	10-64	6	305	21,322	4.28	912	38	18,053	3.61	651	11-71		44	747	.15	50	64
13-01-0203	6430699	1454679	10-65	4	305	27,385	3.43	939	34	18,248	3.64	665	4-71		35	1,590	-.08	44	84
13-01-0203	6886009	010282341	10-63	5	267	21,594	3.80	821	26	16,380	3.67	601	1-72		32	858	.04	37	56
13-01-0203	7391637	1396885	9-68	2	305	25,530	4.05	1034	29	18,665	3.75	700	2-72		40	712	.07	36	51
13-01-0214	6162719	1239886	7-64	5	302	20,360	3.60	733	52	15,316	3.55	544	3-71		44	781	.04	34	52
13-01-0214	6204052	1294703	12-64	2	305	19,690	3.68	725	51	15,540	3.56	554	8-71		40	813	-.02	27	47
13-01-0214	6204054	1417208	1-65	3	305	19,657	4.10	806	45	15,090	3.56	537	8-71		42	907	.09	46	65
13-01-0214	6471531	1330987	1-66	3	305	19,950	3.58	715	50	15,330	3.64	558	10-71		42	831	.03	34	53
13-01-0214	7348935	1427381	11-68	1	305	18,260	3.92	716	35	15,940	3.68	586	12-71		36	952	.06	44	65
13-01-0214	7523018	1427381	11-68	1	299	18,600	4.10	763	37	15,530	3.71	576	2-72		36	1,004	.08	48	70
13-01-0272	6203663	1237057	8-63	5	305	19,990	3.16	631	14	14,780	3.44	509	5-71		44	937	-.09	20	45
13-01-0311	7130052	1427381	8-68	2	296	16,160	3.42	553	45	12,420	3.57	443	11-71		40	1,081	.02	42	67
13-01-0311	7587726	1427381	10-69	1	305	15,630	4.20	656	41	11,660	3.63	423	11-71		36	1,043	.08	50	73
13-01-0311	7587729	1427381	10-69	1	305	18,020	4.11	741	41	11,660	3.63	423	11-71	B	36	1,221	.08	57	84
13-01-0313	6240907	1085978	9-64	4	305	20,385	3.60	734	26	17,538	3.49	612	2-71		44	801	-.01	28	47
13-01-0313	6882798	1348259	8-67	3	301	24,177	3.46	837	29	19,417	3.49	677	3-72		42	862	.00	31	52
13-01-0313	6892762	1348259	8-67	3	295	22,823	3.70	844	37	19,533	3.45	673	11-71		42	694	.05	32	47
13-01-0313	7122004	1347940	8-68	2	298	22,160	3.56	788	32	19,805	3.52	698	12-71		40	781	.00	28	47
13-01-0313	7258505	1347940	11-68	1	305	20,370	3.92	799	36	18,870	3.43	648	9-71		36	663	.05	31	46

TABLE 3. HOLSTEIN USDA-OHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C O	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
13-01-0313	7393200	1312008	8-69	1	305	24,130	3.80	916	42	18,900	3.44	650	10-71		36	526	.09	33	$ 43
13-01-0324	6995506	1244009	12-67	3	303	18,730	3.40	636	9	15,310	3.39	519	3-72		42	809	-.04	23	43
13-01-0324	7407376	1508753	9-68	2	305	20,540	3.16	650	10	14,420	3.42	493	11-71		29	807	-.05	21	42
13-01-0331	7371717	1485232	1-69	1	305	18,480	3.45	638	58	12,860	3.53	454	10-71		25	795	-.04	23	43
13-01-0337	6353164	1085978	3-65	4	305	20,183	3.48	703	16	16,730	3.65	610	4-71		44	866	-.05	24	46
13-01-0340	6629050	1330987	9-66	4	300	18,823	3.90	734	18	15,635	3.51	549	10-71		44	691	.09	38	52
13-01-0347	6348688	1278644	4-65	4	304	17,575	3.20	562	16	11,635	3.58	416	10-71		44	1,020	-.10	22	49
13-01-0347	6447942	1308429	10-65	3	305	17,160	3.93	675	14	12,250	3.59	440	1-71		42	709	.00	26	43
13-01-0351	7057286	1261857	12-66	2	277	18,960	3.09	585	24	16,160	3.47	560	8-71	B	40	707	.00	26	43
13-01-0366	7091563	1427381	7-68	1	305	15,520	3.65	566	9	13,450	3.23	434	4-71		36	914	.07	43	63
13-01-0368	7285954	1408080	3-69	1	305	22,890	3.20	733	5	14,440	3.98	575	11-71		36	978	-.11	19	45
13-01-0382	6226240	1330987	2-65	3	302	19,390	3.41	662	29	14,590	3.51	512	2-72		42	843	.02	33	53
13-01-0382	6226243	1330987	3-65	4	285	15,108	4.07	615	31	12,900	3.46	446	10-71		44	536	.10	35	45
13-01-0406	7303257	1312008	9-68	2	303	19,435	3.62	704	19	14,590	3.64	531	2-72		40	591	.05	29	42
13-01-0411	5924773	1259069	12-63	5	303	22,624	4.04	914	66	15,424	3.64	562	11-71		44	1,071	.05	47	71
13-01-0411	6077406	1379345	8-63	6	305	21,197	3.38	716	28	16,115	3.59	579	7-71		38	995	-.06	26	51
13-01-0411	7290826	1488608	10-68	2	305	20,765	3.58	744	56	16,405	3.86	634	3-72		31	678	.02	27	43
13-01-0411	7290830	1488608	2-69	1	305	18,630	4.33	806	58	14,940	3.88	579	7-71		26	481	.11	33	42
13-01-0411	7543048	1427381	8-69	1	305	20,040	3.58	717	95	15,490	3.87	600	9-71		36	1,114	.02	43	69
13-01-0412	6861015	1478949	6-67	3	305	19,196	4.10	787	55	17,240	3.57	616	8-71		38	489	.12	36	44
13-01-0412	7131141	1377691	9-68	2	305	22,715	3.64	827	40	18,140	3.72	674	1-72		40	742	-.02	24	42
13-01-0412	7388888	1347940	8-69	1	305	24,230	4.02	975	22	18,470	3.61	666	2-72		36	978	.05	43	65
13-01-0417	6089231	1085978	12-63	6	305	24,855	3.17	787	15	15,438	3.48	538	10-71		44	1,634	-.09	44	86
13-01-0423	6347296	1231982	8-65	4	297	20,348	3.89	791	50	15,718	3.72	584	4-71		44	705	.03	30	46
13-01-0423	6604794	1431557	5-66	4	305	22,430	3.62	811	40	15,900	3.69	586	2-72		37	1,163	-.04	35	64
13-01-0423	6947061	1387978	11-67	2	305	19,550	3.74	731	46	16,220	3.79	614	12-71		40	760	-.01	26	44
13-01-0428	6770740	1330987	12-66	2	305	21,130	3.51	742	12	15,975	3.92	627	1-72		40	838	-.01	29	49
13-01-0428	7296573	1504520	9-68	1	305	23,160	3.50	811	13	15,820	3.94	623	1-71		23	849	-.05	23	45
13-01-0436	7252807	1427381	10-68	1	305	17,450	4.06	708	10	15,810	3.38	534	6-71		36	900	.10	47	66
13-01-0436	7448190	1427381	9-69	1	305	18,960	3.50	664	29	15,760	3.28	517	10-71		36	1,016	.05	45	68
13-01-0530	6987595	1348259	2-68	2	305	24,910	3.44	858	29	18,770	3.35	629	1-72		40	933	.01	35	57
13-01-0534	5258267	1308429	12-60	8	297	21,133	3.13	661	50	15,223	3.45	525	10-71		44	936	-.10	18	43
13-01-0534	6207060	1237057	11-64	5	301	20,856	3.27	681	86	14,634	3.45	505	12-71		44	1,065	-.07	27	54
13-01-0534	6982467	1458744	10-67	3	305	20,866	3.11	649	103	14,646	3.45	505	11-71		42	1,153	-.07	31	60
13-01-0540	7141035	1273756	2-68	2	304	17,800	3.81	679	27	14,920	3.65	545	10-71		40	614	.05	29	42
13-01-0620	6507534	1348259	2-66	3	305	20,407	3.77	770	18	16,763	3.59	602	3-72		42	703	.04	31	47
13-01-0628	6630990	1283917	11-64	3	305	23,350	3.20	748	34	16,123	3.56	574	1-71		42	1,060	-.12	19	48
13-01-0640	6309105	1242221	3-65	5	303	16,974	3.33	565	15	13,026	3.57	465	3-72		43	1,090	-.04	33	60
13-01-0705	6282713	1085978	11-64	6	301	17,732	3.33	591	10	14,475	3.60	521	2-72		44	826	-.06	21	42
13-01-0728	5861999	1085978	8-62	8	292	18,131	3.53	640	14	14,115	3.60	508	1-72		44	920	-.03	29	52
13-01-0734	7452800	1427381	7-68	1	305	20,080	3.58	718	26	16,470	3.61	594	9-71		36	1,052	.04	44	68
13-01-0808	6967497	1387978	1-68	2	305	18,525	3.41	631	7	14,960	3.44	514	5-71		40	771	-.02	25	44
13-01-0808	7196824	1261857	1-68	2	305	22,425	3.93	882	21	15,470	3.54	548	11-71		40	1,122	.11	57	81
13-01-0815	7211791	1261857	3-68	2	305	18,125	3.76	681	31	16,305	3.66	596	9-71		40	609	.07	32	45
13-01-0816	7241937	1387978	10-68	2	305	22,185	3.26	723	11	18,030	3.50	631	4-72		40	862	-.05	24	46
13-01-0827	6308126	1085978	12-64	5	302	20,504	3.66	751	17	14,540	3.56	518	2-72		44	1,177	.00	42	70
13-01-0907	5820382	1085978	1-63	7	296	19,377	3.55	687	32	16,399	3.60	591	12-71		44	815	-.03	25	45
13-01-0907	7046909	1387978	2-68	2	305	19,035	3.78	719	34	16,390	3.71	608	11-71		40	693	.01	26	42
13-01-0914	7313900	1506872	12-68	2	303	24,025	3.42	822	17	18,770	3.64	684	1-72		35	877	-.02	28	50
13-01-0920	7266420	1348259	2-69	1	305	22,850	3.20	732	20	16,740	3.26	546	8-71		36	755	-.01	25	43
13-02-0001	6813035	1348259	1-67	2	305	18,870	3.74	705	10	14,215	3.69	525	1-71		40	736	.02	29	46
13-02-0025	5865695	1239886	8-63	6	305	16,872	4.29	723	18	14,002	3.83	536	12-71		44	483	.10	33	42
13-02-0025	7455983	1510954	1-69	1	305	23,550	3.70	872	14	15,600	3.88	606	6-71		23	770	-.01	26	45
13-02-0034	5942315	1239886	12-63	7	302	21,640	3.15	681	10	16,220	3.63	588	3-72		44	841	-.05	22	44
13-02-0071	6515623	1148993	3-66	4	305	22,390	3.83	857	26	17,215	3.72	641	12-71		42	873	.04	38	58
13-02-0072	6690214	1406271	11-66	3	305	18,780	3.51	660	23	14,120	3.60	508	2-72		42	904	.02	36	57
13-02-0085	6080965	1085978	3-64	6	276	19,598	3.89	762	21	16,135	3.78	610	5-71	B	44	874	.01	33	54
13-02-0119	6419193	1278644	9-65	1	305	22,250	3.35	745	13	15,780	3.52	556	12-71		36	854	-.07	20	42
13-03-0027	5414385	010269901	8-61	8	305	21,200	4.59	973	25	15,850	3.72	589	7-71		32	871	.20	62	77
13-03-0027	7257949	010275932	1-68	2	305	20,370	4.22	859	20	15,875	3.94	626	10-71		40	595	.07	32	44
13-03-0027	7542200	010288790	8-68	2	293	21,335	4.08	871	19	15,830	3.97	629	1-72		38	850	.09	45	63
13-03-0053	5286509	1279868	11-60	7	305	21,546	3.69	796	27	14,803	3.73	552	12-71		42	1,148	.00	42	69
13-03-0053	6229624	1411214	11-64	5	304	21,692	3.49	758	38	16,174	3.70	599	11-71		44	733	-.02	24	42
13-03-0055	6572833	1458744	5-66	4	303	17,430	3.92	683	28	15,670	3.71	582	5-71		44	658	.03	28	43
13-03-0055	6926675	1493323	11-67	2	301	20,165	4.28	864	38	16,315	3.78	616	8-71		25	512	.10	33	43
13-03-0055	7182965	1254887	5-68	2	305	23,045	3.76	866	34	17,300	3.72	644	11-71		40	709	.01	27	44
13-03-0055	7182973	1477622	9-68	2	305	23,850	3.94	939	23	17,970	3.66	657	1-72		32	664	.12	42	55
13-03-0058	7236682	1261857	4-68	3	305	16,580	3.67	608	26	15,027	3.56	535	4-72		42	577	.07	31	43
13-03-0169	6467891	1301172	1-66	4	305	19,693	3.82	753	13	13,920	3.71	517	1-72		43	736	.05	34	50
13-03-0169	7593070	1348259	1-69	1	295	21,330	3.86	824	22	15,160	3.70	561	10-71		36	748	.03	31	48
13-03-0169	7696565	1348259	1-69	1	305	19,530	4.05	790	18	14,680	3.66	537	9-71		36	646	.04	30	44
13-03-0305	7314012	1387978	8-68	2	283	19,390	3.51	680	15	15,425	3.79	585	9-71		40	817	-.04	24	44
13-03-0338	5367739	1189870	4-61	6	290	20,553	3.75	771	15	16,100	3.62	583	7-71		44	794	.03	33	51
13-03-0338	5549961	1189870	10-60	5	298	21,834	3.61	788	12	15,060	3.61	544	2-71		44	1,080	.01	40	66
13-03-0338	5956168	1399197	10-63	5	292	18,560	3.98	738	18	16,202	3.60	583	1-71		40	562	.08	32	43
13-04-0008	6392295	1273756	9-65	4	305	19,628	3.41	670	46	15,053	3.38	509	3-72		44	872	.02	35	55
13-04-0008	6501508	1273756	8-65	5	304	20,226	2.95	597	47	14,880	3.42	509	2-72		44	991	-.06	26	51
13-04-0008	6501509	1280615	10-65	4	305	19,093	3.53	674	45	14,060	3.51	494	7-71		44	665	.02	27	42
13-04-0119	6155104	1273756	1-64	5	302	18,538	3.85	713	13	14,078	3.65	514	8-71		44	866	.06	40	59
13-04-0119	6656865	1273756	1-66	4	305	17,268	3.64	629	9	13,863	3.69	511	8-71		44	713	.02	29	45
13-04-0145	6506335	1273756	9-64	5	297	15,760	3.65	576	18	13,356	3.40	454	4-71		44	592	.05	29	42
13-04-0145	6613501	1330987	4-66	4	305	20,505	3.77	773	17	13,393	3.34	447	4-72		44	1,148	.08	54	79
13-04-0154	6361098	1278644	5-65	4	261	20,692	3.46	715	39	15,102	3.75	566	11-70	B	44	1,020	-.08	24	51
13-04-0173	6517288	1397406	10-65	3	225	18,960	3.52	668	12	14,976	3.61	540	2-72	B	37	747	.02	30	47
13-04-0196	6855002	1435889	3-67	3	301	20,786	3.81	791	8	18,243	3.21	585	3-71		34	565	.09	34	45

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S	..REGISTRATION...		COW	..COW'S AVERAGE PRODUCTION.					..HERDMATE AVERAGES..				LAST	T	.......C O W	I N D E X.......		
LAST HERD CODE	COW NUMBER	SIRE NUMBER	BORN MO-YR	RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	NO.	MILK (LB)	FAT (%)	FAT (LB)	CALVD MO-YR	C D	REPT (%)	MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
13-04-0196	7147278	1387978	8-68	2	305	21,090	3.54	746	14	17,800	3.38	601	11-71		40	772	.01	29	$ 47
13-04-0196	7402803	1301864	11-68	2	304	23,315	3.67	855	15	18,765	3.28	615	11-71		40	583	.07	31	43
13-04-0199	6524617	1273756	12-64	5	277	16,856	3.50	590	39	13,544	3.60	488	12-71	B	44	711	.01	27	44
13-04-0203	6038674	1273756	10-62	6	285	17,970	3.42	614	49	13,505	3.64	491	10-71	B	44	859	-.01	30	51
13-04-0203	6900219	1495387	10-67	3	264	18,943	3.69	699	50	13,943	3.61	504	10-71	B	33	694	.03	29	45
13-04-0203	6900225	1397406	8-67	3	224	17,386	3.76	654	59	14,086	3.60	507	2-72	B	37	649	.06	32	46
13-04-0203	7118248	1427381	8-68	1	305	16,510	3.36	555	65	14,190	3.69	523	10-70		36	939	.01	36	58
13-04-0203	7317554	1330987	5-69	1	65	17,940	3.38	606	55	13,450	3.50	471	2-72	B	36	645	.02	27	42
13-04-0204	7425993	1417208	12-67	2	305	21,840	3.32	726	23	14,950	3.70	553	11-71		40	1,091	-.04	33	60
13-04-0208	7000169	1312008	8-67	3	296	19,830	4.27	846	21	15,433	3.68	568	1-72		42	611	.14	43	54
13-04-0208	7452032	1520161	5-69	1	297	17,650	3.88	684	26	15,500	3.68	570	12-71		32	645	.12	41	53
13-04-0216	6858416	1244845	1-67	3	305	21,200	3.25	689	15	14,787	3.62	536	8-71		42	945	-.09	21	46
13-04-0228	7057280	1492402	11-66	3	296	21,593	3.10	670	29	16,050	3.44	552	12-71		34	926	-.08	21	45
13-04-0228	7618219	1427381	1-69	1	305	20,530	3.65	749	53	16,420	3.38	555	9-71		36	1,089	.06	49	73
13-04-0231	7388884	1312008	8-69	1	305	23,090	3.61	834	10	15,180	3.35	509	1-72		36	698	.07	36	51
13-04-0315	6852773	1237057	3-67	3	304	21,907	3.45	756	16	15,513	3.58	555	7-71		42	1,017	-.06	28	54
13-04-0449	6389408	1273756	10-65	3	305	18,433	3.61	667	29	14,807	3.61	534	5-71		42	733	.02	30	47
13-04-0503	6641765	1457932	6-66	3	305	22,756	3.23	736	18	17,100	3.45	590	3-71		38	965	-.10	19	45
13-04-0503	7476598	1450228	12-69	1	305	22,310	3.27	730	16	16,710	3.36	561	2-72		35	1,025	-.05	30	56
13-06-0109	5773921	1199324	2-63	5	303	18,458	3.74	691	14	15,632	3.69	577	2-71		44	811	.00	29	48
13-06-0111	6324196	1085978	4-65	5	302	18,768	3.11	584	16	13,944	3.68	513	11-71		44	1,022	-.10	21	48
13-06-0126	6832857	1244845	3-66	3	305	21,620	3.73	807	26	15,213	3.60	547	4-71		42	949	.00	34	57
13-06-0126	7630275	1427381	7-69	1	299	17,020	4.29	731	35	14,540	3.76	546	9-71		36	953	.09	48	68
13-06-0126	7630276	1427381	1-70	1	305	17,580	3.49	614	21	14,890	3.59	534	3-72		36	971	.03	40	62
13-06-0127	7019293	1377954	10-67	2	304	17,970	3.88	698	15	15,030	3.45	519	9-71		40	658	.06	33	47
13-06-0314	5484764	1112211	9-61	6	305	17,987	3.35	603	48	14,403	3.47	500	1-72		44	814	-.05	22	43
13-06-0314	6432066	1273756	11-65	3	299	19,987	3.29	658	24	14,227	3.43	488	8-71		42	966	-.01	34	57
13-06-0314	6510071	1348259	2-66	4	305	20,320	3.11	632	29	14,640	3.49	511	1-72		44	955	-.06	25	49
13-06-0314	7337514	1492241	6-69	1	305	21,420	3.25	697	28	15,560	3.50	544	1-72		32	847	-.04	24	45
13-06-0399	7264780	1458744	10-68	1	305	22,690	3.73	846	21	16,330	3.65	596	5-71		36	967	.01	36	59
13-06-0399	7285157	1427381	8-68	2	305	20,460	3.94	806	13	18,760	3.62	679	3-72		40	938	.08	46	66
13-06-0474	6804628	1276654	8-66	3	303	18,997	4.24	806	20	15,563	3.75	584	12-71		42	536	.08	31	42
13-06-0474	6949618	1261857	12-67	2	305	23,385	3.82	894	26	15,715	3.77	593	10-71		40	1,197	.07	54	81
13-06-0474	7264773	1330987	7-68	2	298	20,480	3.46	708	24	14,285	3.72	532	5-71		40	926	.00	34	56
13-06-0474	7789291	1427381	4-69	1	305	21,670	3.57	774	26	16,970	3.55	603	1-72		36	1,137	.04	47	73
13-06-0492	6948428	1397405	10-67	3	305	19,626	3.79	743	18	16,033	3.42	549	3-72		36	643	.07	34	47
13-06-0492	7062165	1417208	9-67	2	305	24,765	2.43	601	35	16,680	3.54	590	3-71		40	1,230	-.18	17	51
13-06-0492	7106613	1261857	2-68	2	305	19,275	3.96	764	59	16,150	3.58	578	10-71		40	740	.10	42	57
13-06-0492	7106615	1427381	7-68	2	300	18,880	3.58	675	60	16,245	3.58	582	10-71		40	1,007	.04	42	65
13-06-0492	7420567	1261857	7-69	1	304	21,790	3.47	757	55	16,630	3.52	586	10-71		36	832	.05	38	56
13-06-0492	7420569	1261857	8-69	1	286	18,690	3.57	667	58	16,160	3.55	574	9-71		36	632	.06	32	45
13-06-0492	7529615	1427381	12-69	1	305	23,140	3.03	701	20	17,000	3.48	592	2-72		36	1,244	-.02	42	72
13-06-0616	7770613	010275932	4-68	2	269	20,575	3.72	766	32	15,785	3.54	558	10-71	B	40	624	.04	29	43
13-06-0616	7803386	1473442	3-69	1	235	23,140	3.05	705	37	16,180	3.49	565	10-71	B	35	946	-.10	19	44
13-08-0012	6732458	1273756	1-67	3	305	16,523	3.73	617	12	13,507	3.62	489	8-71		42	642	.04	29	43
13-08-0040	6789273	1308429	10-66	3	305	22,073	3.18	703	17	14,957	3.58	536	1-72		42	994	-.11	19	46
13-08-0040	6948423	1491061	10-67	2	305	22,215	3.48	773	18	15,150	3.52	533	11-71		33	947	.02	37	59
13-08-0040	7474517	1427381	12-69	1	305	19,820	3.41	675	24	14,840	3.56	528	12-71		36	1,142	.02	45	72
13-08-0040	7474518	1427381	12-69	1	305	17,570	3.52	618	24	14,840	3.56	528	12-71		36	974	.04	41	63
13-08-0040	7622585	010275932	7-68	1	305	24,660	3.44	849	18	14,940	3.61	540	3-71		36	859	.00	31	51
13-08-0051	5409265	1333671	1-61	7	305	22,353	3.84	859	18	14,956	3.68	551	3-72		35	1,164	.06	51	77
13-08-0122	7357684	1261857	8-67	1	305	17,400	3.65	635	11	12,840	3.56	457	11-71		36	759	.06	37	53
13-08-0122	7357687	1261857	11-67	1	305	15,240	3.45	526	11	12,470	3.54	441	10-71		36	623	.05	30	43
13-08-0122	7357689	1261857	11-67	1	305	17,440	3.19	556	11	12,470	3.54	441	10-71		36	787	.02	32	50
13-08-0143	7133332	1330987	9-68	2	305	18,665	3.43	641	12	14,465	3.46	501	10-71		40	726	.03	30	47
13-08-0146	6134343	1259069	8-64	4	305	20,143	3.75	756	35	15,628	3.54	553	8-71		44	704	.01	27	43
13-08-0146	6743435	1273756	1-66	4	291	20,175	4.08	823	26	16,408	3.68	603	1-72		44	789	.10	43	59
13-09-0005	4704457	1194033	8-56	10	302	21,134	3.93	831	11	16,685	3.97	663	3-72		39	747	-.01	26	44
13-09-0005	5560856	1189870	12-61	7	303	20,329	4.05	823	14	16,963	4.00	679	4-71		44	665	.03	29	44
13-09-0005	5645601	1189870	3-62	3	305	21,427	4.42	948	14	16,970	3.98	675	1-72		42	747	.09	41	56
13-09-0007	7183672	1282262	12-68	2	305	22,355	4.39	981	7	16,075	4.04	650	2-72		40	556	.07	31	42
13-09-0008	6927180	1377691	10-67	2	295	22,540	3.38	762	40	15,510	3.84	595	10-71		40	964	-.06	25	50
13-09-0133	6443802	1273756	10-65	4	305	18,785	3.64	683	11	15,033	3.63	546	10-71		44	770	.03	32	50
13-09-0140	7547413	1427381	6-68	2	305	17,685	3.94	697	8	15,855	3.51	556	9-71		40	922	.09	47	66
13-09-0140	7886843	1427381	9-69	1	305	22,020	3.36	740	11	14,810	3.45	511	9-71		36	1,308	.02	51	81
13-09-0148	6512678	1273756	10-65	4	305	21,210	3.49	740	10	16,288	3.46	564	11-71		44	930	.02	37	59
13-09-0148	7576538	1330987	9-69	1	305	20,970	3.71	777	6	15,540	3.39	527	3-72		36	731	.06	36	52
13-09-0162	5854836	1373421	2-63	6	297	19,743	3.64	718	13	15,133	3.61	547	3-71	B	36	717	.01	28	45
13-09-0167	6315997	1273756	7-64	5	294	18,910	3.65	690	10	15,964	3.72	594	5-71		44	695	.02	28	44
13-09-0167	6677986	1290716	9-66	4	305	20,888	3.79	792	27	17,105	3.70	633	11-71		44	501	.10	33	42
13-09-0169	6367545	1199324	3-65	5	300	18,598	3.74	695	22	16,376	3.81	624	1-72		44	743	-.02	24	42
13-09-0169	6617741	1458744	8-66	4	302	18,922	3.35	634	31	15,615	3.76	587	11-71		44	848	-.06	22	44
13-09-0169	6986442	1487205	11-67	2	305	20,000	4.02	804	25	15,370	3.82	587	12-71		36	632	.03	28	42
13-09-0169	7549942	1427381	12-69	1	305	19,390	3.66	710	19	14,890	3.81	568	3-72		36	1,106	.03	45	70
13-09-0170	6586380	1461213	7-66	4	289	19,725	3.57	705	13	15,847	3.38	536	9-71		42	720	.01	27	44
13-09-0184	6590656	1273756	11-65	4	305	22,065	4.18	923	12	17,655	3.81	672	1-72		44	884	.11	48	66
13-09-0198	7068772	1389471	4-68	2	305	21,265	3.40	724	11	14,090	3.58	505	4-72		40	884	-.05	24	46
13-09-0201	5204805	1258604	12-58	8	301	23,044	3.33	767	13	13,945	3.49	486	1-72		36	1,440	-.06	42	78
13-09-0201	7384840	1490501	9-67	2	288	18,175	3.96	719	28	14,920	3.27	488	5-71	H	33	492	.10	33	42
13-09-0216	6902823	1458744	1-67	3	305	20,156	3.72	749	19	16,590	3.63	603	11-71		42	870	.01	33	53
13-09-0218	7212159	1261857	1-67	4	247	20,733	3.83	795	15	18,228	3.63	661	1-72	B	44	739	.09	40	55
13-09-0218	7505940	1387978	9-67	3	256	23,063	4.24	978	16	18,486	3.69	683	10-71	B	42	963	.09	49	69
13-09-0224	5391667	1148993	8-61	9	303	21,251	3.90	829	25	17,020	3.97	676	2-72		43	774	.03	32	50
13-09-0225	6593777	1273756	9-65	2	305	19,950	3.64	727	26	15,960	3.74	597	12-71		40	738	.02	29	46
13-09-0245	6707162	1085978	3-65	4	264	23,623	3.55	838	25	17,068	3.56	608	12-71		44	1,253	-.03	41	72

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C O	REPT (%)	.......C O W MILK (LB)	I N D E X....... FAT (%)	FAT (LB)	DOL-LARS
13-09-0248	5931467	1411732	8-63	4	273	22,100	4.19	927	27	18,498	3.94	728	10-71	B	30	610	.08	34	$ 46
13-09-0248	6173808	1329588	10-64	4	253	21,610	4.17	902	25	18,505	3.98	737	12-71	B	44	630	.04	28	42
13-09-0251	6962708	1301864	12-67	2	305	26,045	3.20	834	19	19,030	3.31	629	9-71		40	836	-.01	28	48
13-09-0251	7488085	1427381	10-69	1	285	20,050	3.35	672	21	17,310	3.50	605	1-72		36	993	.02	39	62
13-09-0251	7488088	1427381	12-69	1	305	20,700	3.33	689	23	18,390	3.27	602	12-71		36	969	.04	41	63
13-09-0261	6697299	1273756	12-66	2	304	23,310	3.57	832	30	18,440	3.51	648	12-71		40	852	.03	35	55
13-09-0261	7079731	1290716	12-67	2	305	23,240	3.64	847	39	17,235	3.56	614	9-71		40	639	.10	38	51
13-09-0261	7235196	1420664	12-68	2	295	25,095	3.66	919	21	18,125	3.51	637	1-72	H	40	797	-.02	26	45
13-09-0305	6421481	1330987	9-65	5	305	19,078	3.63	693	23	15,596	3.53	551	11-71		44	743	.05	34	50
13-09-0305	7221840	1330987	9-68	2	305	20,580	3.36	691	21	15,355	3.58	549	9-71		40	839	.00	31	51
13-09-0305	7221844	1330987	12-68	2	298	22,280	3.15	702	25	16,045	3.58	575	10-71		40	948	-.03	29	53
13-09-0314	7297510	1427381	3-69	1	305	22,110	3.43	759	24	16,310	3.42	557	9-71		36	1,214	.03	49	77
13-09-0314	7297511	1427381	3-69	1	305	21,840	3.44	751	21	16,540	3.40	562	8-71		36	1,178	.04	48	75
13-09-0324	7024459	1458744	2-68	2	302	15,865	3.59	570	70	13,010	3.70	482	6-71		40	726	-.01	24	42
13-09-0324	7126956	1398216	7-68	2	305	24,660	3.28	809	79	14,300	3.76	538	1-72		40	1,394	-.10	34	70
13-09-0324	7308857	1348259	1-69	1	305	24,010	3.27	786	56	12,600	3.68	464	6-71		36	1,119	-.03	35	63
13-09-0324	7308858	1348259	9-68	2	296	18,480	3.72	687	97	14,170	3.74	530	11-71		40	701	.01	27	43
13-09-0324	7308862	1348259	11-68	1	305	18,110	4.57	827	56	12,600	3.68	464	6-71		36	680	.09	38	52
13-09-0324	7375691	1398216	9-67	3	304	18,407	3.58	659	104	13,470	3.84	517	11-71		42	889	-.06	23	46
13-09-0324	7459341	1377691	2-69	1	305	21,310	3.46	737	103	12,820	3.76	482	8-71		36	876	-.04	26	48
13-09-0517	6408591	1273756	7-65	5	293	19,250	3.92	755	14	16,166	3.86	624	9-71		44	716	.05	33	49
13-09-0538	6746625	1273756	8-66	4	305	17,805	3.31	590	25	14,060	3.58	504	11-71		44	757	-.02	25	43
13-09-0747	6432528	1411214	8-65	4	304	22,263	3.70	823	8	17,005	3.56	606	5-71		44	680	.04	31	46
13-09-0817	6802060	1413165	4-67	3	305	20,310	3.29	669	18	14,370	3.72	535	6-71		42	1,003	-.14	15	43
13-10-0026	6165188	1427709	8-64	4	305	21,308	3.13	667	14	15,695	3.50	549	3-71		30	873	-.08	19	42
13-10-0026	6407537	1444720	10-65	5	300	19,986	3.96	792	23	14,882	3.53	526	9-71		32	817	.09	43	60
13-10-0027	5949457	1279868	9-63	6	305	22,658	4.20	951	21	16,507	3.82	631	3-72		42	1,092	.09	54	77
13-10-0027	6425833	1237057	1-64	5	305	21,600	3.44	742	21	15,688	3.60	564	7-71		44	1,039	-.06	28	54
13-10-0027	6491422	1279868	11-65	4	303	19,483	4.45	867	19	16,715	3.73	623	10-71		41	628	.13	42	53
13-10-0027	6955273	1475488	4-67	3	305	23,143	3.54	820	16	16,133	3.71	598	10-71		34	928	.00	34	56
13-10-0040	5308973	1010936	10-60	9	303	20,081	3.24	650	23	14,363	3.58	514	3-71		44	896	-.04	26	48
13-10-0040	6618105	1273756	8-66	4	305	17,345	3.74	648	25	13,975	3.51	491	11-71		44	710	.06	34	49
13-10-0040	6926097	1468034	10-67	2	305	22,410	3.36	752	16	14,495	3.52	510	8-71		40	748	-.03	23	42
13-10-0040	7167854	1498036	7-68	2	305	21,420	3.61	773	20	15,675	3.54	555	4-72		36	799	.02	32	50
13-10-0040	7413188	1387978	6-69	1	305	23,630	3.30	780	19	15,190	3.61	549	8-71		36	1,064	-.04	32	58
13-10-0040	7413804	1399824	10-69	1	305	23,730	3.65	865	40	15,010	3.60	540	11-71		36	1,000	.03	40	63
13-10-0049	5711567	1189870	1-62	7	305	21,621	3.45	747	17	15,670	3.50	549	9-71		44	981	-.01	34	58
13-10-0049	6463524	1430145	4-65	4	305	21,260	3.40	722	20	15,997	3.53	564	4-71		38	1,031	-.02	34	59
13-10-0049	6620404	1231982	10-65	3	304	22,267	3.10	690	22	15,940	3.52	561	2-72		42	865	-.08	19	42
13-10-0049	6927334	1501141	12-67	2	305	21,015	3.87	814	20	16,505	3.37	557	11-71		29	614	.13	41	52
13-10-0049	7189435	1518226	8-68	1	305	26,920	2.99	805	28	16,040	3.47	557	8-71		19	1,050	-.09	24	51
13-10-0307	6561198	1348259	1-65	4	305	18,553	3.74	693	25	15,270	3.71	566	9-71		44	667	.02	27	42
13-10-0307	7544157	1473442	3-69	1	305	22,480	3.44	774	39	15,260	3.74	570	10-71		35	959	-.07	24	49
13-10-0321	7002011	1458744	12-67	2	300	20,230	3.23	653	22	15,650	3.69	578	8-71		40	927	-.06	24	48
13-10-0335	6176831	1294703	10-64	4	300	19,773	3.26	644	11	15,048	3.39	510	6-71		43	954	-.06	25	49
13-10-0341	5951779	1396581	8-63	6	303	20,097	3.55	713	20	16,600	3.42	567	2-72		34	722	.04	32	48
13-10-0341	6273124	1329588	12-64	5	303	21,412	3.29	705	15	16,108	3.43	552	6-71		44	900	-.04	26	49
13-10-0341	6999034	1372874	11-67	2	293	26,350	2.92	769	16	17,825	3.47	618	2-72		40	1,121	-.15	17	48
13-10-0341	7170678	1290716	5-68	2	291	23,795	3.56	848	20	17,850	3.55	634	12-71		40	639	.09	36	49
13-10-0350	5702370	1252936	9-62	6	305	20,407	3.51	716	11	16,215	3.60	583	6-71		44	736	-.02	24	42
13-10-0350	6011585	1303347	9-63	6	300	19,372	3.71	719	21	16,658	3.51	584	4-72		40	594	.05	29	42
13-10-0350	7215080	1427381	11-68	1	305	19,610	3.65	715	15	15,580	3.66	571	7-71		36	1,076	.04	45	70
13-10-0351	6395522	1386406	8-64	5	305	19,762	3.19	631	11	15,172	3.48	528	2-72		44	828	-.04	24	45
13-10-0351	6834933	1458744	9-66	3	305	17,320	3.56	617	13	14,280	3.42	489	4-71		42	783	.01	29	48
13-10-0351	6834934	1458744	3-67	3	305	16,836	3.99	671	11	15,266	3.39	517	5-71		42	625	.07	33	46
13-10-0372	6116010	1231982	4-64	5	297	20,130	3.28	660	11	13,436	3.42	459	4-72		44	967	-.04	29	53
13-10-0372	7406526	1447414	6-69	1	305	17,100	3.39	579	10	13,150	3.51	462	5-71		35	899	-.04	26	49
13-10-0404	6494822	1254887	12-65	4	305	24,590	3.40	836	14	19,093	3.55	678	10-71		44	828	-.03	25	46
13-10-0416	5918000	1237057	10-63	3	297	22,300	3.78	844	22	14,243	3.88	553	2-71		42	1,194	-.03	38	67
13-10-0416	6966094	1278644	9-67	3	305	20,413	3.64	744	24	15,056	4.05	610	12-71		42	952	-.09	21	46
13-10-0417	5256768	1287883	9-60	6	257	20,595	3.67	756	11	15,235	3.66	557	4-72		36	770	.03	33	50
13-10-0417	7038950	1455358	12-67	2	305	21,015	3.84	807	24	15,920	3.59	571	8-71		34	760	.04	33	50
13-10-0417	7458500	1458744	7-69	1	305	23,950	3.83	917	24	16,990	3.46	588	11-71		36	1,017	.03	41	64
13-10-0450	6491421	1273756	9-65	3	213	19,207	3.45	663	20	15,737	3.69	580	3-72		42	720	-.01	25	42
13-11-0120	6433917	1085978	12-64	5	296	18,268	3.71	677	53	15,508	3.69	572	11-71		44	776	-.01	26	45
13-11-0121	6704894	1450228	11-66	3	305	21,393	3.23	690	5	15,440	3.55	548	2-72		41	1,232	-.08	32	64
13-11-0132	5439881	1349101	1-61	9	293	18,459	3.73	688	30	15,028	3.55	533	1-72		37	764	.02	31	49
13-11-0132	5439887	1349101	4-61	9	303	18,450	3.53	652	30	14,661	3.61	529	11-71		37	810	-.01	27	47
13-11-0132	6874329	1261857	9-66	1	305	17,940	3.71	665	18	15,880	3.49	554	4-71		36	595	.08	33	45
13-11-0203	5834864	1085978	2-63	4	305	25,390	3.52	893	7	16,398	3.65	598	4-71		44	1,546	-.04	49	87
13-11-0203	6693908	1085978	12-66	3	305	21,110	3.45	728	22	17,983	3.47	624	12-71		42	821	-.03	25	45
13-11-0231	7169034	1377691	8-67	2	305	18,355	3.46	636	29	13,195	3.52	465	6-71		40	751	-.02	24	42
13-11-0231	7452119	1419528	6-68	2	292	17,465	3.66	640	15	13,730	3.57	490	1-72		40	620	.04	28	42
13-11-0255	6279165	1245520	4-65	3	305	21,097	3.16	667	19	15,527	3.45	536	11-71		42	893	-.09	19	43
13-11-0311	6762030	1435889	1-67	3	255	19,380	3.67	712	10	14,913	3.64	543	10-71		34	774	.01	29	47
13-11-0317	7181152	1348259	7-68	1	296	20,580	4.05	834	17	16,560	3.41	564	3-72		36	598	.07	32	44
13-11-0320	7777691	1312008	10-69	1	305	22,880	3.45	789	7	16,280	3.27	532	11-71		36	609	.06	31	44
13-11-0324	5788897	1085978	4-63	6	303	19,505	3.28	639	11	16,190	3.44	557	10-71		44	856	-.05	23	45
13-11-0324	7093218	1348259	3-68	2	305	21,070	3.36	708	6	16,575	3.46	573	1-72		40	744	-.01	25	43
13-11-0351	6820013	1389471	4-67	3	305	20,350	3.42	696	15	13,833	3.60	498	2-72		42	896	-.05	25	48
13-11-0357	6173260	1294703	7-64	5	305	20,880	3.31	692	12	13,098	3.63	476	1-72		44	1,351	-.08	36	70
13-11-0402	6307450	1312008	11-64	4	305	21,210	3.47	737	18	15,648	3.60	563	3-72		44	794	.02	32	50
13-11-0402	6588622	1221835	6-66	4	305	20,938	3.52	738	17	16,258	3.62	589	4-72		44	835	-.03	26	47
13-11-0402	6625804	1085978	10-66	3	301	18,667	3.82	714	19	15,683	3.63	570	6-71		42	778	.01	30	48
13-11-0406	6175712	1085978	9-64	5	298	19,410	3.25	630	23	13,686	3.70	507	2-72		44	1,135	-.08	28	57

TABLE 3. HOLSTEIN USOA-OHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C O	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
13-11-C406	7253991	1404202	10-68	1	305	23,090	3.30	762	36	14,670	3.77	553	9-71		36	1,008	-.10	21	$ 44
13-11-C424	6250431	1428969	10-64	5	303	18,796	3.83	720	14	14,068	3.61	508	12-71		38	635	.05	30	44
13-11-0429	7028562	1261857	8-67	3	305	18,270	3.57	653	26	14,990	3.56	534	7-71		42	775	.05	36	53
13-11-C429	7214750	1222994	2-67	2	305	19,850	3.78	751	35	14,550	3.60	524	9-71		40	813	.03	34	53
13-11-C438	6681917	1478272	11-66	3	305	17,780	3.53	627	24	14,770	3.70	547	1-71		37	838	.00	30	50
13-11-C467	6881094	1389471	7-67	3	259	24,343	3.30	804	19	17,893	3.77	675	1-72		42	935	-.10	19	44
13-11-0467	7081121	1498782	2-68	1	305	25,010	3.77	943	18	17,700	3.68	652	11-71		19	726	.02	29	46
13-12-0013	6916047	1237057	7-67	3	304	19,933	3.58	713	28	14,607	3.85	563	9-71		42	884	-.06	22	45
13-12-C014	5915243	1405186	11-63	5	305	16,644	3.75	624	14	12,114	3.66	443	9-71		36	710	.03	30	46
13-12-0036	6824336	1273756	7-65	5	305	18,282	3.85	703	6	14,980	3.74	561	1-72		44	728	.04	33	49
13-12-0110	6881090	1349520	3-67	3	305	22,010	3.70	814	9	13,513	3.89	525	9-71		39	1,223	-.08	32	63
13-12-C115	5682475	1085978	8-62	5	305	19,786	3.41	674	37	17,108	3.36	575	12-71		44	786	-.02	25	44
13-12-C115	6811630	010283161	1-64	5	305	23,568	3.00	707	39	17,692	3.33	589	12-71		32	984	-.10	20	46
13-12-0115	7632527	010275932	10-67	2	305	24,445	3.26	798	32	18,275	3.26	595	2-72		40	789	.00	29	48
13-12-0172	7015933	1312008	9-67	2	305	19,215	4.26	819	8	15,760	3.67	579	3-72		40	462	.13	36	44
13-12-0181	7237672	1312008	11-68	1	305	24,880	3.72	925	9	19,610	3.38	662	2-71		36	535	.09	32	42
13-12-0188	6506831	1273756	12-65	4	305	17,785	3.57	635	27	13,950	3.79	529	7-71		44	767	.00	28	46
13-12-C191	6963566	1490501	11-67	3	304	25,093	3.71	930	16	18,760	3.70	695	1-72		36	985	.03	40	63
13-12-0191	7614367	1419528	8-69	1	298	27,340	3.24	886	12	19,140	3.70	708	12-71		36	910	-.03	28	51
13-12-0195	5985237	1259069	7-63	3	305	20,370	3.45	703	6	14,373	3.52	506	4-71		42	824	-.04	24	45
13-12-C195	6553945	1308429	4-66	4	275	20,585	3.61	744	38	15,718	3.63	571	2-72		44	783	-.04	22	42
13-12-0227	7126125	1387978	8-68	2	305	21,205	3.67	778	34	16,475	3.40	560	3-72		40	905	.02	36	57
13-12-0254	6947083	1458744	9-67	2	294	22,045	3.68	812	5	17,020	3.51	597	3-71		40	986	.02	38	61
13-12-C255	7134604	1254887	7-68	2	305	23,985	4.07	976	5	16,835	3.88	653	12-71		40	847	.04	37	56
13-12-0259	7229609	1318968	2-69	1	305	26,970	3.00	808	7	11,830	3.45	408	8-71		31	1,301	-.13	26	61
13-12-0266	6840083	1261857	3-67	3	305	18,177	3.92	712	18	16,077	3.27	526	8-71		42	652	.14	44	56
13-12-C266	6881093	1454284	5-67	2	305	26,380	2.89	763	13	16,860	3.54	597	1-71		32	1,346	-.17	21	58
13-12-0268	7537477	1404202	9-69	1	305	26,040	3.21	837	20	18,690	3.67	686	12-71		36	958	-.11	17	43
13-12-C337	6942190	1261857	10-67	3	305	19,963	4.10	819	22	17,000	3.69	628	3-72		42	762	.12	46	61
13-12-0337	7230849	1261857	10-68	2	305	20,195	3.98	803	21	17,435	3.69	644	1-72		40	716	.09	40	54
13-13-0015	6016880	1199324	1-64	7	304	21,443	3.38	725	40	17,301	3.64	630	1-72		44	1,002	-.05	28	53
13-13-0015	7183298	1330987	11-68	2	305	21,195	3.34	708	36	17,520	3.56	623	12-71		40	704	.00	25	42
13-13-C015	7183299	1330987	11-68	2	304	22,665	3.26	738	36	17,520	3.56	623	12-71		40	853	-.01	29	50
13-13-0015	7235259	1330987	2-69	2	305	22,005	3.35	737	36	17,540	3.57	627	1-72		40	784	.00	28	47
13-13-0015	7352379	1427381	6-69	1	305	21,160	3.63	769	37	16,040	3.49	559	6-71		36	1,161	.05	50	76
13-13-0015	7395429	1427381	9-69	1	305	22,110	3.78	836	59	15,900	3.47	551	9-71		36	1,241	.07	55	83
13-13-C015	7406347	1434146	2-68	2	305	24,555	3.23	793	56	16,125	3.60	581	8-71		32	1,027	-.04	31	57
13-13-C015	7548033	1427381	10-69	1	305	26,090	3.50	914	59	15,900	3.47	551	9-71		36	1,538	.03	61	97
13-13-0018	6932024	1273756	1-66	4	305	18,923	3.37	638	11	14,893	3.74	557	9-71		44	803	-.03	25	45
13-13-C018	7645626	1509548	10-68	1	305	19,020	3.91	743	13	15,590	3.73	581	10-70		32	665	.03	29	44
13-13-0061	5981710	1281479	9-63	5	280	19,188	4.12	791	18	13,916	3.88	540	10-71		44	711	.11	42	56
13-13-C107	5666843	1369958	8-62	5	305	21,224	3.97	842	21	16,466	3.62	596	4-72		44	558	.11	37	47
13-13-C107	7134694	1458744	4-68	2	284	18,065	3.70	668	42	15,375	3.67	564	8-71		40	733	.06	26	44
13-13-C107	7137537	1458744	12-67	2	305	19,320	3.75	725	46	15,225	3.68	560	9-71		40	874	.01	33	54
13-13-C107	7648449	1427381	2-69	2	289	20,465	3.68	754	36	16,015	3.60	577	1-72		40	1,189	.05	50	77
13-14-C003	7024210	1477094	11-67	3	285	19,383	3.63	704	15	14,917	3.70	552	3-72		33	714	.00	25	42
13-14-0003	7398953	1312008	1-69	1	305	19,900	4.36	867	22	15,320	3.62	554	5-71		36	451	.13	35	42
13-14-C142	7381109	1387978	7-68	2	305	20,210	3.69	746	15	18,000	3.46	622	12-71		40	665	.02	27	47
13-14-0154	6619430	1348259	8-66	4	298	22,620	4.03	911	21	16,878	3.68	621	11-71		44	991	.07	47	69
13-14-0154	6859454	1273756	7-67	3	305	21,757	3.63	790	26	16,637	3.84	639	9-71		42	920	.01	34	[illegible]
13-14-C154	7348326	1454800	10-68	2	305	25,385	3.32	842	25	17,725	3.77	669	12-71		39	885	-.06	22	[illegible]
13-14-C158	5771219	1389431	7-62	6	305	21,260	3.40	722	20	15,393	3.57	550	4-71		43	907	-.06	23	[illegible]
13-14-C158	6155023	1237057	6-64	6	305	19,995	3.25	649	16	15,057	3.53	532	4-72		44	905	-.08	[illegible]	44
13-14-C166	6842925	1273756	11-66	3	293	19,867	3.78	750	6	14,997	3.81	571	2-71		42	873	.03	36	56
13-14-C166	7060157	1273756	8-67	2	298	19,140	3.85	736	7	15,375	3.79	583	2-71		40	709	.04	31	[illegible]
13-14-0173	7183685	1261857	12-67	3	300	22,667	3.87	877	17	15,527	3.74	580	1-72		42	1,225	.08	57	84
13-14-0195	6064608	1273756	2-64	5	305	17,966	4.16	748	17	14,554	3.77	548	7-71		44	737	[illegible]	41	[illegible]
13-14-C195	7180562	1408080	10-68	2	305	21,245	3.68	782	24	16,685	3.66	610	10-71		40	813	-.02	26	46
13-14-0195	7289033	1377691	8-68	2	305	22,345	3.73	833	28	16,875	3.65	616	10-71		40	820	[illegible]	30	49
13-14-0195	7321555	1404202	9-68	2	305	21,370	3.60	769	11	16,915	3.60	609	2-72		40	834	-.05	22	[illegible]
13-14-C201	5957384	1377802	8-63	6	304	22,275	3.97	884	22	16,075	3.94	633	4-71		39	1,252	.04	52	[illegible]
13-14-0201	5957390	1377802	11-63	5	297	21,102	4.33	914	25	15,576	3.95	616	2-71		39	1,149	.11	59	[illegible]
13-14-0201	6118732	1377802	4-64	5	304	20,296	3.79	769	7	16,576	3.90	646	4-72		39	965	.01	34	55
13-14-0205	6532833	1254887	1-66	4	305	23,280	3.69	858	13	17,960	3.89	699	3-72		44	792	-.02	25	44
13-14-0205	6812098	1254887	2-67	3	305	26,753	3.54	947	17	18,750	3.88	727	12-71		42	1,063	-.05	31	58
13-14-C223	7057394	1261857	7-67	3	305	23,580	3.66	864	30	16,357	3.72	609	1-72		42	1,245	.05	53	81
13-14-0224	6969522	1417208	9-67	2	234	19,220	3.12	599	7	14,850	3.62	538	10-71	B	40	834	[illegible]	22	43
13-14-C226	6440810	1085978	11-65	5	269	19,072	3.69	704	20	16,144	3.55	573	11-71		44	806	[illegible]	29	46
13-14-C232	7114004	1427381	8-68	1	250	17,220	3.44	592	10	15,210	3.54	539	11-71		36	923	[illegible]	38	59
13-14-0303	6270630	1199324	5-64	5	288	17,926	3.44	617	22	14,794	3.71	549	5-71		44	839	-.05	23	44
13-14-0416	5120495	1289545	3-60	7	305	21,252	3.89	826	21	16,415	3.80	624	8-71		39	1,192	.01	41	57
13-14-C416	5920646	1397406	7-63	6	305	21,275	3.58	761	35	16,196	3.79	614	10-70		39	971	[illegible]	35	58
13-14-0416	6186425	1435889	12-64	5	304	20,048	3.59	719	36	15,690	3.78	593	10-71		37	829	-.03	25	46
13-14-C416	6750283	1435889	10-66	3	305	22,336	3.64	814	21	17,270	3.91	676	9-71		34	883	-.03	27	49
13-14-C416	6750287	1397406	10-66	3	305	20,400	4.14	845	32	17,043	3.78	644	7-71		37	694	.10	40	[illegible]
13-14-C416	6762027	1473942	1-67	2	305	21,735	3.88	844	30	16,525	3.88	641	2-71		34	854	-.02	23	[illegible]
13-14-C416	7033921	1289545	11-67	3	285	19,176	4.15	795	16	16,636	3.91	650	4-72		36	738	.03	31	[illegible]
13-14-0416	7033923	1473942	1-68	2	305	21,785	3.66	797	34	15,515	3.75	582	11-71		34	962	-.04	29	53
13-14-C416	7126567	1397406	6-68	2	303	17,670	4.54	803	37	15,870	3.71	589	8-71		34	463	.15	39	46
13-14-C513	5649319	1181029	9-62	6	297	21,071	3.58	754	14	15,393	3.79	584	9-71		44	766	-.01	26	45
13-14-C513	7425104	1523648	9-69	1	305	21,090	3.62	764	7	15,000	3.69	553	1-72		31	729	.00	27	44
13-14-C524	6207040	1085978	10-64	4	305	21,905	3.61	791	69	16,508	3.54	584	3-72		44	1,103	-.01	38	65
13-14-C524	6705082	1458744	10-66	3	286	21,233	3.37	715	68	18,396	3.52	648	9-71		42	807	-.03	24	44
13-14-C524	7247704	1435690	9-68	2	305	24,380	3.63	885	52	18,815	3.64	685	3-72		40	612	.06	31	44
13-14-0524	7337245	1283917	4-68	2	305	25,280	2.96	748	46	17,215	3.42	589	12-71		40	1,063	-.15	15	45

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C O	REPT (%)	.......C O W MILK (LB)	I N D E X....... FAT (%)	FAT (LB)	DOL-LARS
13-14-0524	7402416	1404202	7-69	1	305	23,780	4.00	951	56	19,020	3.43	652	12-71		36	768	.00	28	$ 46
14-10-0101	5914254	1273756	8-63	5	305	16,602	4.16	691	5	13,520	3.89	526	4-71		44	681	.08	36	[illegible]
14-10-0101	6729409	1273756	1-67	3	296	16,943	4.08	691	7	14,717	3.66	539	8-71		42	566	.08	33	44
14-10-0133	5729668	1367326	11-62	5	305	19,630	3.82	749	53	15,916	3.84	611	3-72		36	697	.01	27	43
14-10-0133	5888807	1390042	7-63	5	300	22,792	3.72	847	76	15,688	3.85	604	1-71		39	1,190	.00	43	71
14-10-0133	5927986	1418966	7-63	5	305	21,476	4.18	898	45	15,594	3.78	590	7-71		36	984	.11	53	73
14-10-0133	5965345	01026C599	10-63	5	303	20,516	3.75	770	74	15,836	3.82	605	2-71		44	814	-.04	23	44
14-10-0223	7116688	1312008	7-68	2	296	20,755	3.74	777	35	15,980	3.78	604	12-71		40	598	.06	30	43
14-10-0227	6248149	1436308	11-64	5	303	21,536	3.58	771	28	14,326	3.80	545	11-70		36	1,296	-.03	42	74
14-10-0227	6438306	1436308	1-66	4	305	19,242	3.70	711	26	14,465	3.78	547	1-71		35	915	-.01	32	54
14-10-0227	6474779	1436308	2-66	4	294	19,925	3.98	794	20	14,515	3.81	553	1-71		35	1,006	.04	43	66
14-10-0227	6717564	1436308	12-66	4	295	18,387	3.56	655	23	14,182	3.78	536	11-71		35	829	-.03	25	46
14-10-0227	6798077	1436308	3-67	3	303	18,786	3.77	709	7	13,653	3.83	523	5-71		33	910	.00	33	55
14-10-0227	6892784	1436308	8-67	3	305	18,540	3.28	609	22	13,336	3.77	503	10-71		33	915	-.07	22	46
14-10-0227	6901383	1436308	9-67	3	305	20,490	3.38	693	22	13,336	3.77	503	10-71		33	1,174	-.06	33	63
14-10-0227	6972490	1436308	9-67	3	305	18,906	3.59	678	16	13,560	3.80	515	1-72		33	937	-.02	30	53
14-10-0227	6975194	1436308	12-67	3	304	20,433	3.79	775	20	14,400	3.82	550	2-72		33	1,039	.01	39	63
14-10-0227	6980355	1436308	2-68	3	298	20,350	3.74	761	7	14,536	3.82	556	3-72		33	1,012	.00	36	6[illegible]
14-10-0227	7235211	1428145	11-68	2	305	22,800	3.48	793	33	15,235	3.82	582	2-72		40	1,100	-.09	26	55
14-10-0230	5501812	1179372	2-62	7	285	19,869	3.45	686	35	15,299	3.68	563	3-71		44	790	-.02	25	44
14-10-0230	6713890	1458744	7-66	4	256	24,440	3.49	854	51	16,217	3.73	605	11-71	B	44	1,463	-.04	47	83
14-10-0230	6713891	1458744	8-66	3	300	20,753	3.54	735	50	16,103	3.72	599	5-71		42	989	-.03	31	55
14-10-0230	6798663	1458744	9-66	3	202	18,893	3.67	693	43	16,076	3.77	606	2-72	B	42	778	-.01	26	45
14-10-0230	6798667	1464924	1-67	3	291	21,193	3.39	719	51	15,846	3.58	567	7-71	B	32	917	-.02	30	52
14-10-0230	7416814	1404202	6-69	1	127	23,430	3.50	819	39	17,290	3.61	624	11-71	B	36	858	-.07	20	42
14-10-0235	6928276	1458744	10-67	3	305	22,740	3.54	804	44	17,993	4.12	741	3-72		42	1,022	-.08	25	51
14-10-0244	7299153	1427381	1-69	1	305	21,490	3.83	822	11	15,690	3.54	556	8-71		36	1,209	.07	54	31
14-10-0246	7372913	1348259	7-69	1	305	22,410	3.70	829	33	17,860	3.47	619	9-71		36	648	.03	28	43
14-10-0309	7244998	1348259	12-68	2	297	18,545	3.92	727	79	13,560	3.97	539	8-71		40	763	.02	30	48
14-10-0309	7735266	1348259	3-69	1	279	22,010	3.53	776	92	13,790	4.03	556	8-71		36	891	-.03	28	5[illegible]
14-10-0313	7511158	1348259	2-70	1	305	21,030	3.83	805	19	15,770	3.81	601	2-72		36	665	.02	27	43
14-10-0325	6548212	1398363	9-64	4	305	18,663	3.97	741	36	13,783	3.81	525	8-71		42	766	.05	35	52
14-10-0325	6854646	1501102	7-66	3	305	18,300	4.37	799	20	14,973	3.73	559	6-71		29	483	.12	35	43
14-10-0325	7359576	1427381	9-68	1	305	18,720	3.81	713	34	14,310	3.85	551	7-71		36	1,095	.04	46	71
14-10-0325	7587724	1427381	12-69	1	305	18,410	3.79	698	24	12,910	3.87	499	12-71		36	1,166	.04	49	76
14-10-0345	7060925	1458744	10-67	2	305	16,420	4.14	679	26	14,760	3.78	558	3-71		40	622	.04	28	42
14-10-0351	6620137	1273756	1-66	3	305	15,550	3.88	604	11	11,803	3.49	412	2-71		42	707	.07	36	51
14-10-0412	5719135	1239886	9-62	6	303	18,935	3.77	714	11	15,392	3.66	563	1-71		44	588	.05	29	42
14-11-0150	6880587	1280615	10-67	2	267	23,625	3.23	762	26	15,050	3.77	568	9-71	B	40	927	-.05	26	49
14-11-0150	6894519	1290716	10-67	3	247	21,430	3.41	731	11	15,793	3.77	595	1-72	B	42	665	.03	29	44
14-11-0164	5893997	1254887	3-63	6	305	24,905	3.39	844	12	14,498	3.75	544	5-71		44	1,433	-.06	42	78
14-11-0168	7038815	1458744	5-67	2	305	22,985	3.38	776	14	16,735	3.58	599	12-71		40	1,108	-.04	34	61
14-11-0174	6319022	1273756	4-65	2	305	19,515	3.56	695	26	15,615	3.71	580	12-71		40	725	.01	28	45
14-11-0174	6929638	1387978	9-67	2	304	20,670	3.27	675	19	15,495	3.67	569	1-72		40	940	-.06	25	49
14-11-0177	7031932	1487063	3-68	2	305	23,175	3.26	755	26	14,720	3.73	549	2-72		30	1,086	-.08	27	55
14-11-0237	5926712	1273756	5-63	6	305	17,507	3.38	592	11	13,720	3.68	505	4-71		44	775	-.02	25	44
14-11-0237	6782473	1470157	4-67	3	305	18,960	3.81	723	13	14,686	3.53	519	2-72		34	763	.08	40	56
14-11-0239	6260544	1273756	11-64	5	302	21,120	3.15	666	10	16,072	3.51	564	8-71		44	968	-.04	28	52
14-11-0239	7473832	1427381	11-69	1	305	17,220	4.00	689	18	15,310	3.72	569	11-71		36	916	.07	43	63
14-11-0264	6819510	1469340	11-66	3	305	19,560	3.83	749	13	15,803	3.81	602	10-71		34	697	.02	28	44
14-11-0320	6601732	1348259	7-66	2	305	20,995	3.28	688	14	14,520	3.68	535	11-71		40	924	-.05	26	49
14-11-0320	7621408	1427381	12-69	1	305	21,010	3.91	822	13	14,990	3.67	550	2-72		36	1,220	.06	54	31
14-11-0320	7621409	1427381	1-70	1	305	17,440	4.00	698	13	14,990	3.67	550	2-72		36	954	.07	45	56
14-11-0321	5119943	1063381	5-60	9	297	17,386	3.49	606	6	12,991	3.64	473	5-71		44	862	-.05	24	46
14-11-0321	6882130	1237057	11-66	3	305	18,963	3.88	736	25	13,570	3.49	473	10-71		42	880	.01	34	55
14-11-0324	6731250	1312008	9-66	3	305	19,463	3.62	704	37	14,123	3.67	518	10-71		42	705	.04	32	42
14-12-0009	7444175	1427381	11-69	1	305	19,070	3.53	673	11	14,440	3.62	523	2-72		36	1,113	.03	45	71
14-12-0105	6373518	1273756	7-64	5	301	17,026	3.86	658	5	14,652	3.61	529	1-72		44	504	.06	31	44
14-12-0129	7353256	1427381	11-68	2	300	20,040	3.70	741	30	17,465	3.47	606	9-71		40	1,014	.06	46	63
14-12-0201	5689769	1273756	11-62	5	304	17,078	4.08	697	80	12,898	3.76	485	1-71		44	815	.08	41	5[illegible]
14-12-0207	6230488	1273756	9-64	4	305	17,990	4.27	769	34	15,083	3.96	598	7-71		44	566	.09	37	51
14-12-0207	6230490	1273756	10-64	4	300	17,900	3.98	712	35	15,363	3.96	609	1-72		44	524	.04	29	43
14-12-0207	6337338	1273756	2-65	4	303	16,575	4.46	739	34	14,885	4.02	599	3-71		44	514	.10	33	43
14-12-0207	6857580	1273756	3-67	3	305	18,113	4.01	726	36	15,240	3.92	598	2-72		42	546	.05	31	45
14-12-0208	7180389	1486970	9-68	2	297	19,825	3.32	659	11	13,870	3.74	519	12-71		29	926	-.08	21	45
14-12-0337	7612721	1278644	8-68	1	305	23,210	3.52	817	11	15,740	3.62	570	12-70		36	928	-.06	24	46
14-12-0356	6056715	1237057	2-64	4	305	19,405	4.15	805	14	15,058	3.88	584	12-71		44	808	.02	32	5[illegible]
14-12-0356	6715584	1273756	10-66	3	305	18,103	3.74	677	13	14,080	3.98	560	7-71		42	765	.01	29	47
14-12-0356	6801804	1484967	3-67	2	305	22,360	4.03	900	21	15,500	4.11	637	1-71		25	882	.02	35	55
14-12-0359	5299962	1154946	1-61	5	305	21,178	4.86	1029	33	15,696	3.78	593	3-72		44	860	.19	60	76
14-12-0359	5837906	1387978	2-63	5	305	19,624	4.12	808	26	15,452	3.81	589	6-71		44	928	.06	42	63
14-12-0359	6757515	1469957	7-66	4	305	22,040	3.62	797	29	15,740	3.81	599	1-72		35	1,044	-.01	36	61
14-12-0402	6686464	1273756	1-67	3	305	22,893	3.70	846	20	18,293	3.78	692	11-71		42	880	.02	35	55
14-12-0402	6807475	1273756	2-67	3	290	21,117	3.77	797	21	18,020	3.76	677	10-71		42	704	.04	31	47
14-12-0402	6807477	1273756	5-67	3	305	23,143	3.76	871	22	18,197	3.72	677	2-72		42	918	.04	39	6[illegible]
14-12-0402	6948229	1273756	11-67	2	305	24,600	3.76	924	21	18,780	3.71	697	10-71		40	952	.04	[illegible]	[illegible]
14-12-0402	7483391	1508685	9-69	1	305	22,090	3.63	802	22	16,080	3.63	584	3-72		35	831	-.05	22	[illegible]
14-12-0508	6067692	1273756	11-63	3	305	20,897	4.12	861	48	17,010	3.77	641	3-72		42	783	.09	42	[illegible]
14-13-0030	7147728	1458744	4-68	1	305	17,720	3.85	682	20	12,150	3.55	431	5-71		36	877	.02	34	5[illegible]
14-13-0035	6918269	1417208	9-67	2	305	19,435	3.25	632	16	14,840	3.56	529	3-71		40	857	-.03	26	[illegible]
14-13-0040	6018575	1273756	8-63	6	305	19,995	3.75	749	29	14,453	3.89	562	9-71		44	1,010	.02	39	63
14-13-0040	6725111	1273756	7-66	3	303	20,230	3.54	716	16	15,897	3.87	615	2-71		42	821	-.01	28	46
14-13-0040	6725114	1273756	1-67	2	304	18,775	4.01	753	31	16,130	3.89	628	5-71		40	563	.05	29	42
14-13-0040	6977584	1272013	9-67	2	290	19,880	4.14	824	43	15,490	3.84	595	10-71	H	40	705	.01	27	44
14-13-0040	7000928	1273756	1-67	2	305	21,545	3.62	779	22	15,220	3.86	588	3-72		40	967	.00	35	5[illegible]

TABLE 3. HOLSTEIN USDA-OHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C O	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
14-13-0040	7187887	1404202	6-68	2	305	22,590	3.00	678	40	15,865	3.77	598	11-71		40	1,054	-.16	14	$ 43
14-13-0040	7204196	1278644	7-68	2	293	22,110	3.57	790	41	15,965	3.75	598	10-71		40	979	-.06	26	51
14-13-0040	7204208	1516360	12-68	1	305	22,610	4.07	920	34	16,270	3.77	614	5-71		33	1,027	.05	44	67
14-14-0010	6578961	1273756	3-66	4	305	19,790	3.64	721	26	16,425	3.80	624	1-72		44	739	.01	28	45
14-14-0025	6297011	1273756	4-65	4	305	18,923	3.80	720	33	16,345	3.55	580	9-71		44	641	.07	33	46
14-14-0025	6351482	1273756	8-65	5	300	21,478	3.49	749	42	16,658	3.58	596	12-71		44	946	.01	35	57
14-14-0025	6367213	1273756	9-65	4	305	18,098	4.11	743	30	15,968	3.58	571	8-71		44	581	.11	37	48
14-14-0025	6631663	1273756	7-66	3	305	19,213	3.94	757	35	15,983	3.56	569	4-71		42	695	.08	37	51
14-14-0025	6631666	1273756	7-66	3	305	20,710	3.57	740	33	16,673	3.57	596	7-71		42	796	.02	32	50
14-14-0025	7162728	1488558	9-67	2	299	22,265	3.36	748	52	16,450	3.43	565	12-71		38	952	-.01	33	56
14-14-0025	7162729	1484615	11-67	2	302	22,145	3.40	752	49	16,740	3.45	577	10-71		29	852	-.02	28	49
14-14-0025	7356908	1516360	12-68	1	305	22,840	2.78	634	43	17,910	3.37	604	6-71		33	930	-.08	22	46
14-14-0025	7356914	1484615	4-68	1	305	22,350	3.70	826	44	16,500	3.61	596	12-70		23	732	.01	28	45
14-14-0025	7356930	1516803	2-69	2	298	25,010	3.16	790	44	17,035	3.35	570	3-72		36	992	-.04	29	54
14-14-0025	7430667	1278644	9-67	3	299	23,316	3.90	909	39	16,960	3.41	578	4-72		42	1,089	.03	44	69
14-14-0025	7493067	1404202	7-69	1	305	26,700	2.60	693	38	17,060	3.32	567	8-71		36	1,117	-.16	15	46
14-14-0025	7706620	1404202	1-70	1	305	26,290	2.86	752	52	17,220	3.19	550	1-72		36	1,076	-.12	20	49
14-14-0025	7706644	1375967	1-70	1	305	26,300	3.46	911	56	17,450	3.22	562	12-71		36	949	-.05	26	50
14-14-0033	7420732	1330987	7-69	1	305	18,570	3.24	601	65	13,350	3.66	489	12-71		36	699	.00	25	42
14-14-0035	6505053	1273756	1-66	4	265	21,515	4.10	883	18	20,008	3.74	749	5-71	8	44	554	.09	34	45
14-14-0035	6632652	1273756	10-66	3	284	24,880	4.13	1028	16	20,227	3.66	741	3-71	8	42	908	.11	50	69
14-14-0035	6632653	1273756	10-66	3	259	24,677	3.98	982	16	19,983	3.67	734	5-71	B	42	910	.09	46	65
14-14-0035	6645445	1273756	10-66	3	298	23,973	3.79	908	19	20,107	3.68	740	1-71	8	42	816	.05	37	55
14-14-0039	6656928	1273756	7-66	3	267	16,397	3.72	610	46	13,120	3.64	477	3-71	B	42	668	.04	30	45
14-14-0041	6304537	1273756	12-64	5	305	17,868	3.92	701	23	15,528	3.67	570	5-71		44	611	.07	32	45
14-14-0048	6598124	1308429	3-66	4	305	21,125	3.38	715	16	15,508	3.54	549	8-71		44	873	-.07	21	44
14-14-0048	7132654	1427381	4-68	2	305	16,990	4.05	688	21	15,065	3.49	526	7-71		40	923	.10	48	67
14-14-0054	6476587	1085978	1-66	4	304	23,473	3.45	810	11	18,675	3.87	723	2-71		44	1,056	-.08	25	52
14-14-0075	6578280	1273756	3-66	3	305	17,433	4.28	746	19	13,597	3.66	498	1-71		42	738	.11	43	58
14-14-0075	6830535	1483416	3-67	3	304	20,613	3.85	793	36	15,933	3.96	631	11-71		32	861	.01	32	52
14-14-0075	6880328	1483416	6-67	3	303	20,930	3.68	771	37	15,873	3.94	625	2-72		32	911	-.03	29	51
14-14-0075	6984176	1483416	10-67	2	300	21,975	3.88	852	33	16,075	3.87	622	1-72		29	941	.03	38	60
14-14-0075	7159345	1483416	7-68	2	301	19,920	3.92	781	32	15,955	3.92	625	11-71		29	709	.02	29	45
14-14-0075	7159347	1483416	9-68	2	292	19,470	3.93	766	32	15,955	3.92	625	11-71		29	655	.02	27	42
14-14-0075	7159348	1483416	9-68	2	305	20,840	3.81	795	32	15,955	3.92	625	11-71		29	819	.00	30	49
14-14-0081	6235125	1273756	10-64	6	295	17,762	4.14	736	30	14,727	3.86	568	11-71		44	691	.08	37	51
14-14-0102	5889475	1393031	12-62	7	305	23,121	3.54	819	37	17,838	3.78	675	12-71		44	990	-.11	19	46
14-14-0102	6290872	1393031	11-64	5	305	23,420	3.63	849	36	17,966	3.83	688	8-71		44	1,014	-.09	22	49
14-14-0102	6529538	1366152	3-66	4	305	23,368	3.81	890	35	17,938	3.83	687	8-71		43	813	.02	33	52
14-14-0128	5987406	1063381	9-60	7	299	19,344	3.50	677	36	15,750	3.58	564	5-71		44	794	-.04	22	42
14-14-0128	6343089	1273756	6-65	5	303	22,826	3.31	755	38	15,680	3.57	560	7-71		44	1,233	-.03	40	70
14-14-0128	6576365	1273756	3-65	5	305	21,920	3.19	699	44	16,394	3.52	577	3-72		44	1,033	-.04	31	57
14-14-0128	6576370	1308429	9-65	5	302	24,534	3.08	755	57	16,472	3.53	582	10-71		44	1,230	-.14	23	56
14-14-0128	6620199	1347940	9-66	4	296	21,857	3.35	732	61	16,560	3.51	581	11-71		44	1,141	-.03	36	64
14-14-0128	6822045	1347940	12-66	3	297	20,443	3.46	707	63	17,146	3.50	600	11-71		42	882	-.01	30	51
14-14-0128	6929662	1384506	9-67	3	305	23,833	3.34	796	65	17,416	3.49	608	12-71		41	849	-.04	25	46
14-14-0128	7121262	1347940	7-68	1	305	22,400	3.67	823	48	17,730	3.51	622	1-71		36	891	.02	35	56
14-14-0174	7416870	1387978	5-69	1	305	22,910	3.57	817	11	15,490	3.43	532	6-71		36	990	.00	36	60
14-14-0185	6832488	1273756	1-67	3	305	18,640	4.00	746	32	15,653	3.85	603	12-71		42	664	.05	32	46
14-14-0185	7519094	1312008	8-69	1	305	22,280	3.27	728	26	14,340	3.73	535	8-71		36	694	.01	26	42
14-14-0186	6789961	1261857	4-67	3	303	16,517	3.98	658	34	14,337	3.70	530	9-71		42	641	.09	37	50
14-14-0186	6878772	1261857	8-67	2	302	17,560	3.79	665	31	15,505	3.60	558	3-71		40	625	.08	34	47
14-14-0186	6878773	1347940	8-67	2	273	18,430	3.24	598	49	15,420	3.70	571	10-70	H	40	803	-.05	21	42
14-14-0186	6878774	1278644	8-67	3	305	18,660	4.11	766	32	15,160	3.74	567	2-72		42	740	.01	28	45
14-14-0186	6924819	1261857	11-67	3	290	17,440	4.03	702	39	15,353	3.73	572	11-71		42	642	.10	38	51
14-14-0186	7160631	1357797	7-68	2	277	18,045	4.01	723	44	15,400	3.81	586	11-71	H	40	497	.13	37	45
14-14-0186	7173728	1236789	11-68	1	305	19,380	3.74	724	31	14,500	3.78	548	6-71		35	721	.01	27	44
14-14-0223	6645675	1465754	5-66	4	298	25,772	3.50	901	25	17,917	3.64	652	12-71		36	1,174	-.03	38	67
14-14-0223	6954033	1273756	4-67	3	305	27,127	3.73	1011	28	17,980	3.78	680	3-72		42	1,399	.03	55	87
14-14-0223	7010965	1393031	12-67	2	305	24,875	3.44	856	21	17,390	3.74	651	8-71		40	1,074	-.11	21	50
14-14-0223	7075059	1484864	2-68	2	305	24,365	3.61	879	27	18,245	3.73	680	6-71		28	975	.01	36	59
14-14-0223	7127748	1458744	5-68	1	305	23,150	3.60	834	20	18,520	3.75	695	4-72		36	854	-.02	28	49
14-14-0223	7374518	1520832	3-69	2	305	23,175	3.97	919	30	18,385	3.72	684	2-72		30	866	.03	36	56
14-14-0223	7513425	1520832	4-69	1	305	24,720	3.61	893	34	18,540	3.67	680	1-72		24	854	-.02	27	48
14-14-0239	6261775	1231982	1-62	5	305	21,314	3.67	783	8	12,334	3.86	476	6-71		44	1,247	-.01	43	73
14-14-0240	5982720	1273756	10-63	6	304	18,555	3.73	693	15	15,055	3.85	580	4-72		44	755	.02	30	47
14-14-0250	6151052	1273756	10-64	5	303	18,364	3.82	702	23	15,156	3.89	589	9-71		44	719	.03	30	46
14-14-0250	6447302	1273756	9-65	4	302	18,920	3.95	748	15	16,180	3.81	616	4-71		44	659	.05	32	46
14-14-0250	6447305	1273756	11-65	4	305	20,113	3.78	760	24	15,748	3.85	607	11-71		44	855	.03	35	55
14-14-0257	6035232	1273756	10-63	6	302	18,843	3.59	676	15	15,003	3.72	558	10-71		44	798	.01	30	49
14-14-0257	6583094	1273756	6-66	4	297	19,235	3.69	710	24	15,038	3.74	563	8-71		44	825	.03	34	53
14-14-0257	6785997	1477075	1-67	3	303	20,890	3.74	782	33	15,496	3.75	581	5-71		39	719	.01	28	45
14-14-0257	7174135	1499133	7-68	2	305	17,025	3.68	627	41	15,395	3.71	571	6-71		37	875	-.05	24	46
14-14-0261	6300743	1085978	2-65	5	300	20,968	3.62	760	6	17,474	3.46	605	6-71		44	896	.00	33	54
14-14-0261	7463569	1389471	3-69	1	305	23,630	3.37	796	7	15,790	3.32	525	9-71		36	763	-.03	23	42
14-14-0282	6489334	1289545	11-65	4	302	19,165	4.26	817	21	15,302	4.02	615	11-71		37	914	.04	39	60
14-14-0310	5943712	1231982	12-63	5	305	18,386	3.62	665	13	13,134	3.66	481	12-71		44	777	-.01	27	46
14-14-0313	6803075	1273756	12-65	4	305	19,273	3.31	637	13	14,395	3.83	551	8-71		44	901	-.04	26	49
14-14-0520	6850452	1273756	2-67	2	305	17,375	3.74	649	21	13,840	3.79	525	1-72		40	670	.03	28	43
14-15-0123	5700611	1199324	11-62	6	305	19,788	3.66	724	27	17,170	3.55	610	11-71		44	804	.01	30	49
14-15-0123	6464363	1424134	7-65	4	302	22,542	3.61	813	24	17,307	3.45	597	8-71		34	895	.02	36	57
14-15-0123	6464366	1424134	11-65	4	295	21,972	3.70	813	24	17,477	3.50	612	6-71		34	790	.04	34	52
14-15-0123	7131189	1491627	5-68	2	300	22,765	3.39	771	32	16,930	3.53	597	11-71		29	778	-.04	22	42
14-15-0123	7131194	1427381	6-68	2	305	23,420	3.79	887	24	16,430	3.34	548	8-71		40	1,451	.09	67	99
14-15-0123	7131195	1427381	9-68	2	305	20,215	3.49	706	35	16,635	3.47	578	12-71		40	1,107	.03	45	70

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C O	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
14-15-0123	7131196	1427381	9-68	2	303	20,040	3.16	634	30	17,240	3.47	599	3-72		40	1,034	-.01	36	$ 61
14-15-0123	7227031 --	1427381	9-68	2	305	24,810	3.28	815	32	16,305	3.44	561	1-72		40	1,604	.00	58	96
14-15-0123	7227033	1427381	11-68	2	302	20,655	3.36	694	33	17,280	3.47	600	2-72		40	1,093	.02	42	68
14-15-0123	7227034	1427381	12-68	2	301	20,035	3.43	688	33	17,280	3.47	600	2-72		40	1,030	.03	42	66
14-15-0123	7227035	1427381	1-69	1	305	23,750	3.18	755	37	18,080	3.44	622	2-71		36	1,217	.00	44	73
14-15-0123	7470602	1427381	6-69	1	305	19,440	3.98	774	26	16,670	3.57	595	11-71		36	991	.08	48	69
14-15-0123	7470604	1427381	8-69	1	305	18,810	3.41	641	28	17,050	3.51	598	10-71		36	918	.03	38	59
14-15-0123	7470606	1427381	9-69	1	305	18,150	3.80	690	35	16,280	3.57	582	1-72		36	921	.06	42	62
14-15-0123	7470608	1427381	11-69	1	305	20,790	3.46	719	25	16,020	3.56	570	3-72		36	1,135	.03	45	71
14-15-0123	7470609	1427381	12-69	1	305	19,040	3.30	629	25	16,020	3.56	570	3-72		36	1,004	.02	39	62
14-15-0123	7470621	1360676	12-69	1	305	20,690	3.74	774	40	16,800	3.55	596	2-72		35	763	.04	33	50
14-15-0123	7521652	1427381	8-69	1	305	21,240	3.70	785	35	16,280	3.57	582	1-72		36	1,151	.05	49	75
14-15-0133	7330664	1348259	2-69	1	295	21,340	3.83	818	25	16,210	3.52	571	8-71		36	678	.04	30	45
14-15-0136	5396579	1289545	8-61	6	299	22,450	3.41	766	17	16,488	3.65	601	5-71		39	1,254	-.07	35	67
14-15-0136	7950575	010284451	7-69	1	305	23,350	3.02	706	67	13,390	3.53	472	12-71		19	937	-.08	22	46
14-15-0201	5377368	1189870	3-61	6	305	20,587	3.91	804	31	16,588	3.74	621	11-71		44	742	.04	33	50
14-15-0201	6593094	1475392	2-66	3	304	22,673	3.39	768	36	17,046	3.66	624	12-70		33	869	-.03	26	48
14-15-0203	6144685	1273756	5-64	6	303	20,573	3.58	737	27	15,703	3.61	567	12-71		44	940	.02	37	59
14-15-0203	6144686	1273756	5-64	4	305	20,445	3.82	780	27	15,748	3.61	568	1-72		44	896	.06	42	62
14-15-0203	6315650	1231982	3-65	5	301	21,316	3.61	770	35	16,704	3.63	606	12-71		44	740	.00	26	44
14-15-0203	6538745	1273756	3-66	4	305	20,618	3.86	795	25	16,798	3.52	592	2-72		44	800	.08	41	58
14-15-0203	6977393	1273756	6-67	3	305	19,840	3.70	734	20	16,460	3.46	570	11-71		42	718	.05	34	50
14-16-0002	6223580	1273756	11-64	4	305	18,585	3.91	726	5	15,338	4.07	625	2-71		44	711	.02	29	45
14-16-0002	6235240	1273756	10-64	5	303	18,402	3.86	710	16	16,216	3.72	604	3-72		44	600	.05	29	42
14-16-0002	6484741	1273756	11-65	4	297	18,408	3.95	728	7	15,808	3.82	604	7-71		44	637	.05	31	45
14-16-0002	6723058	1273756	1-67	3	305	19,430	3.57	693	8	15,363	3.87	594	2-71		42	785	-.01	27	46
14-16-0002	6787687	1273756	12-66	3	298	18,273	4.13	754	6	15,627	3.88	606	1-72		42	624	.07	33	46
14-16-0021	5408285	1273756	6-61	7	275	17,741	3.84	682	20	13,510	3.77	510	7-71		44	829	.04	36	55
14-16-0021	5596708	1377802	4-62	6	305	16,810	3.49	586	24	13,450	3.70	498	8-71		39	809	-.01	27	47
14-16-0021	6327590	1273756	3-65	4	297	17,180	3.49	600	28	13,038	3.67	478	9-71		44	794	.00	29	48
14-16-0021	7451764	1347940	9-69	1	300	17,160	3.83	657	21	14,410	3.61	520	3-72		36	723	.02	29	46
14-16-0021	7502045	1427381	10-69	1	261	19,900	3.66	728	47	15,590	3.66	570	11-71		36	1,097	.04	46	71
14-16-0130	6613953	1273756	8-66	4	305	19,300	4.03	777	21	16,848	3.72	627	3-72		44	632	.08	35	48
14-16-0130	7255176	1377691	7-68	2	298	23,290	3.65	851	15	14,740	3.79	558	8-71		40	1,111	-.02	37	64
14-16-0130	7278434	1347940	10-68	2	305	20,745	4.04	838	12	16,525	3.82	631	3-72		40	937	.03	39	60
14-17-0028	6830534	1273756	7-66	3	305	19,920	3.95	787	48	16,537	4.02	664	3-71		42	720	.03	31	47
14-17-0028	6880329	1483416	7-67	3	209	20,983	3.96	830	32	17,413	4.03	701	11-71	8	32	731	.01	28	45
14-17-0028	7050135	1483416	5-68	2	298	22,440	3.85	863	27	17,320	4.01	695	8-71	8	29	863	.00	31	52
14-17-0028	7159354	1375967	8-68	2	222	24,915	3.72	927	38	18,840	3.92	739	2-72	8	40	913	-.08	21	45
14-18-0117	7614049	1427381	1-70	1	305	18,680	3.34	624	18	12,330	3.62	446	3-72		36	1,225	.02	47	76
14-18-0120	6504332	1433599	2-65	5	302	24,084	3.43	827	11	15,052	3.74	563	11-71		32	1,442	-.06	43	79
14-18-0251	6620097	1320310	10-66	4	278	16,333	3.76	614	34	14,290	3.68	526	12-71		44	777	-.02	25	44
14-18-0251	6823108	1273756	6-67	1	305	16,990	4.28	728	53	13,020	3.59	468	8-71		36	622	.08	35	48
14-18-0251	7370656	1377803	4-69	1	305	21,090	3.21	678	55	12,980	3.61	469	8-71		28	983	-.07	24	49
14-18-0251	7476599	1450228	1-70	1	305	22,990	3.77	867	25	14,750	3.59	529	3-72		35	1,212	.00	43	72
14-18-0251	7527364	1516360	4-69	1	300	22,960	2.87	658	41	13,740	3.35	460	5-71		33	1,232	-.07	34	65
14-19-0015	6740779	1375967	12-66	3	305	29,470	3.62	1066	12	20,646	3.80	785	2-71		42	1,330	-.08	35	69
14-19-0041	5963829	1273756	8-63	7	301	18,427	3.54	653	15	15,266	3.58	547	2-72		44	714	.01	28	45
14-19-0041	6797004	1273756	6-67	3	304	18,560	4.01	744	18	15,303	3.48	533	8-71		42	691	.09	39	53
14-19-0115	6378465	1369958	7-64	6	305	22,401	3.23	723	9	14,996	3.65	548	1-72		44	884	-.03	27	49
14-19-0175	6988535	1488603	10-67	2	305	17,370	4.48	778	50	12,995	3.76	488	7-71		36	692	.11	41	55
14-20-0002	6747444	1375967	11-66	4	299	23,220	3.55	825	15	17,302	3.83	662	3-72		44	1,004	-.10	21	48
14-20-0002	7665708	1464901	11-69	1	305	23,690	2.74	650	15	17,640	3.65	644	3-72		33	1,129	-.12	22	52
15-11-0124	5154130	1189870	7-60	7	305	19,540	4.07	795	9	15,983	3.61	577	3-71		44	677	.08	37	51
15-11-0128	6480989	1460628	4-65	4	305	20,773	3.59	746	6	14,458	3.63	525	5-71		30	961	.00	34	57
15-11-0128	7275942	1516360	12-68	2	295	20,650	3.66	755	9	16,560	3.55	588	3-72		38	940	.01	36	58
15-11-0134	7003365	1308429	9-67	2	305	22,460	3.25	731	5	15,920	3.23	515	5-71		40	855	-.06	22	44
15-11-0158	5202934	1189870	12-60	9	304	18,830	3.71	698	10	15,164	3.62	549	7-71		44	680	.02	28	44
15-13-0113	7183989	1499133	7-68	1	170	17,920	4.30	771	79	12,990	4.00	519	10-70	8	33	1,120	-.02	38	65
15-13-0121	5991033	1376785	9-63	6	305	21,683	3.68	797	10	18,322	3.72	682	6-71		38	859	-.01	30	51
15-13-0121	6038041	1408640	3-64	5	305	21,202	3.79	804	11	15,892	3.64	579	5-71		44	900	.04	38	58
15-14-0116	6586888	1273756	9-65	4	305	20,425	3.58	732	21	15,055	3.52	530	8-71		44	970	.03	40	62
15-14-0116	7085085	1273756	11-66	3	305	20,163	3.63	732	18	15,400	3.49	538	6-71		42	865	.04	37	57
15-14-0116	7433701	1500875	9-69	1	305	21,210	3.52	747	14	13,210	3.70	489	11-71		23	779	-.02	25	44
15-14-0143	4696461	1254887	9-58	10	276	19,824	4.44	881	13	16,144	3.90	629	11-71		44	587	.11	37	48
15-14-0143	5382837	1322362	2-61	7	300	20,071	3.56	714	20	15,844	3.74	593	1-72		38	738	.00	27	45
15-14-0143	5559327	1375967	1-62	7	274	21,371	4.19	896	11	15,588	3.93	613	10-71		44	995	.01	37	60
15-14-0143	5684599	1237057	9-62	6	293	19,177	4.78	916	10	16,018	4.08	654	1-71		44	688	.10	40	54
15-14-0143	6497092	1280615	9-65	4	304	21,918	4.10	898	14	18,125	3.65	661	1-71		44	562	.11	36	47
16-02-0002	7579708	1303180	8-68	2	291	18,785	3.76	707	21	14,245	3.64	519	9-71		31	645	.02	27	42
16-02-0003	7476905	1427381	10-69	1	305	23,250	3.71	862	17	19,420	3.70	718	12-71		36	1,090	.04	46	71
16-02-0020	7142754	1427381	9-68	2	298	17,520	4.13	724	23	15,035	3.80	571	10-71		40	980	.08	48	69
16-02-0218	5219553	1189870	11-60	7	254	20,003	4.01	803	17	16,747	3.58	600	8-71		44	648	.08	36	49
16-02-0218	5647213	1273756	5-62	4	305	21,873	3.30	722	14	17,193	3.36	578	4-71		44	911	.00	33	55
16-02-0218	6187899	1240125	5-64	6	294	22,335	3.37	753	25	18,443	3.51	648	11-71		44	815	-.04	24	44
16-02-0218	6657909	1189870	7-66	3	305	21,073	3.82	806	19	18,153	3.48	631	7-71		42	584	.06	30	42
16-02-0218	6671394	1278644	2-65	4	302	24,335	3.23	785	23	17,647	3.52	622	2-71		44	1,187	-.11	26	57
16-02-0218	6753553	1458744	10-66	3	290	21,266	3.42	728	13	18,903	3.51	663	10-71	8	42	758	-.02	24	43
16-02-0260	6559139	1458744	6-66	3	241	18,660	3.67	684	10	16,140	3.48	561	9-71		42	745	.01	29	46
16-04-0002	6039125	1273756	3-64	5	304	19,290	3.63	700	61	16,450	3.74	616	1-71		44	688	.01	27	43
16-04-0002	6421832	1273756	8-65	4	305	18,245	4.03	735	78	15,485	3.72	576	10-71		44	653	.08	35	48
16-04-0002	7244839	1499133	7-68	1	305	22,820	3.23	737	90	16,040	3.71	595	4-71		33	1,290	-.11	30	64
16-04-0002	7326929	1499133	11-68	1	305	18,810	3.63	682	91	13,750	3.64	500	10-71		33	1,136	-.05	33	61
16-04-0002	7350609	1516360	11-68	1	305	17,930	3.32	596	91	13,760	3.64	501	10-71		33	839	-.02	27	48
16-04-0013	5958060	1273756	11-63	7	301	19,056	3.59	684	38	14,943	3.70	553	11-71		44	832	.01	32	51

TABLE 3. HOLSTEIN USDA-OHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C D	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
16-04-0013	6665481	1475058	9-66	4	300	21,012	3.46	728	38	15,817	3.65	577	12-71		34	899	-.03	28	$ 50
16-04-0013	6814554	1273756	3-67	3	299	21,573	3.41	735	43	15,850	3.62	573	6-71		42	981	-.01	34	58
16-04-0013	7061046	1330987	6-68	2	297	19,430	4.05	787	49	16,185	3.58	580	5-71		40	646	.09	37	50
16-04-0015	5043931	1279964	11-59	9	305	23,216	3.58	831	47	17,464	3.68	643	6-71		37	1,076	.01	40	65
16-04-0015	6493848	1279964	11-65	4	305	22,105	3.55	784	46	18,345	3.65	670	9-71		36	778	.01	29	47
16-04-0015	6799802	1279964	10-66	4	302	20,955	3.47	728	44	17,365	3.69	640	3-72		36	740	-.01	25	43
16-04-0015	6823802	1476759	1-67	3	305	24,180	3.44	831	44	17,940	3.71	666	6-71		33	1,177	-.04	36	65
16-04-0015	6823804	1279964	2-67	3	305	21,953	3.69	811	48	18,187	3.71	675	5-71		34	743	.03	31	48
16-04-0015	6955163	1476759	8-67	3	305	20,900	4.32	903	57	17,603	3.68	648	8-71		33	779	.12	47	62
16-04-0015	6955164	1476759	8-67	3	305	22,976	3.77	866	53	17,683	3.66	648	11-71		33	1,047	.03	42	66
16-04-0015	6955165	1476759	8-67	3	305	23,856	3.44	820	49	17,666	3.71	655	6-71		33	1,167	-.05	35	64
16-04-0015	6955167	1476759	8-67	3	305	21,713	3.43	745	52	17,943	3.69	662	10-71		33	847	-.04	24	45
16-04-0015	6955170	1476759	9-67	3	303	22,260	3.33	742	56	17,350	3.69	640	8-71		33	991	-.06	27	52
16-04-0015	6970024	1476759	11-67	3	305	22,853	3.38	773	53	17,750	3.70	656	10-71		33	1,023	-.05	29	55
16-04-0015	6970025	1476759	11-67	3	305	26,776	3.33	892	37	17,580	3.74	658	3-72		33	1,569	-.07	45	84
16-04-0015	6970028	1279964	12-67	2	305	22,485	3.99	897	47	18,185	3.72	677	7-71		32	748	.08	39	55
16-04-0015	7070137	1476759	4-68	2	305	20,255	3.97	805	50	17,455	3.75	654	6-71		30	679	.04	31	46
16-04-0015	7352687	1521214	12-68	1	305	24,530	4.08	1002	63	18,080	3.88	701	4-71		22	677	.05	32	47
16-04-0015	7363782	1519338	3-69	2	305	22,275	3.77	840	28	17,280	3.76	649	4-72		29	693	.05	33	48
16-04-0015	7401962	1458744	5-69	1	305	20,710	3.99	827	70	18,120	3.88	703	5-71		36	699	.01	27	43
16-04-0015	7482926	1427381	9-69	1	305	24,860	3.55	882	53	18,860	3.67	693	12-71		36	1,248	.03	49	78
16-04-0015	7482927	1427381	9-69	1	305	24,500	3.76	920	62	18,760	3.72	697	10-71		36	1,227	.05	52	80
16-04-0023	6543081	1273756	9-65	5	301	17,148	3.69	633	36	12,950	3.75	485	10-71		44	818	.02	33	52
16-04-0023	6588804	1273756	11-64	4	305	17,313	3.44	596	34	13,025	3.70	482	8-71		44	811	-.01	28	48
16-04-0060	6130089	1085978	1-64	5	303	17,762	3.50	621	11	14,114	3.60	508	6-71		44	872	-.04	26	48
16-04-0060	6130091	1085978	5-64	5	305	18,966	3.36	637	12	15,266	3.54	541	3-71		44	894	-.05	25	48
16-04-0060	6461227	1273756	8-65	3	305	18,943	3.36	636	12	15,307	3.59	549	3-71		42	734	-.01	25	43
16-04-0060	7404706	1427381	10-69	1	305	17,590	3.54	622	19	14,780	3.70	547	10-71		36	980	.03	40	62
16-04-0111	5304441	1323043	3-61	6	305	19,852	3.98	791	26	16,287	3.79	617	2-71		37	695	.07	35	50
16-04-0133	7131772	1457932	9-68	2	305	20,995	3.36	706	24	15,155	3.50	531	12-71		35	883	-.08	20	43
16-04-0133	7468127	1387978	8-68	1	305	17,660	4.09	723	27	15,290	3.58	548	9-71		36	613	.04	28	42
16-04-0212	6627787	1407266	9-66	3	305	22,263	4.45	991	29	19,007	3.78	718	6-71		42	423	.15	37	43
16-04-0212	6726634	1434589	10-66	3	296	23,177	3.92	908	30	18,647	3.84	716	6-71		33	763	.05	35	52
16-04-0212	6953473	1432733	2-67	3	305	24,013	3.71	892	31	18,333	3.68	675	12-71		42	976	.01	36	59
16-04-0212	6953475	1432733	5-67	1	305	25,480	4.42	1127	21	19,760	3.78	747	4-71		35	768	.09	41	57
16-04-0212	6996226	1432733	11-67	2	305	21,550	4.03	869	32	17,970	3.76	676	9-71		40	679	.04	31	46
16-04-0212	6996227	1505968	10-67	2	305	24,310	3.80	924	40	19,305	3.78	729	4-71		30	997	-.01	35	59
16-04-0212	7247550	1505968	9-68	2	305	25,310	3.41	862	21	20,160	3.67	739	4-72		30	1,025	-.06	27	53
16-04-0212	7718874	1404202	4-69	1	305	25,860	3.48	899	33	18,920	3.81	721	9-71		36	930	-.09	20	45
16-04-0222	5909405	1404822	11-63	5	298	22,248	4.07	905	20	16,886	3.73	630	4-71		37	1,005	.09	50	71
16-04-0224	6764735	1273756	8-66	2	305	22,290	3.60	802	38	18,725	3.59	672	10-71		40	723	.03	30	47
16-04-0224	6810823	1273756	7-66	4	305	22,313	3.53	787	35	18,308	3.58	656	1-72		44	842	.02	33	53
16-04-0224	6810824	1273756	8-66	3	305	21,920	3.27	716	18	18,077	3.53	639	12-71		42	790	-.02	25	44
16-04-0224	6990110	1348259	10-67	2	305	22,910	4.05	927	34	19,395	3.56	691	4-71		40	673	.08	37	51
16-04-0230	7653407	1348259	1-69	1	305	22,610	3.40	769	11	15,330	3.45	529	2-72		36	832	-.01	29	49
16-04-0235	6496837	1319421	12-65	3	305	18,536	3.91	725	47	14,703	3.69	543	9-71		36	670	.03	29	44
16-04-0235	6496841	1309574	12-65	3	305	18,383	3.69	678	56	14,683	3.76	552	4-71		42	639	.04	29	43
16-04-0235	6496842	1309574	1-66	4	302	19,378	3.63	704	55	15,258	3.76	574	12-71		44	724	.03	30	47
16-04-0235	7022140	010288790	3-66	4	296	18,157	3.83	695	45	15,210	3.71	564	4-71		41	627	.08	35	48
16-04-0314	6530040	1464513	3-66	3	305	19,437	3.42	664	27	15,203	3.65	555	10-71		31	806	-.05	22	42
16-04-0314	6530042	1464513	3-66	3	305	23,827	3.12	744	28	15,177	3.60	547	10-71		31	1,412	-.11	34	71
16-04-0314	6680490	1464513	6-66	4	303	21,053	3.37	710	25	14,453	3.69	533	10-71		33	1,175	-.07	32	62
16-04-0314	6767489	1273756	2-67	3	305	19,363	3.33	644	25	15,263	3.60	550	7-71		42	787	-.02	26	45
16-04-0314	6898657	1370969	8-67	2	305	20,620	3.88	801	25	14,605	3.66	534	3-71		31	821	.05	37	55
16-04-0403	5986117	1268294	12-63	4	298	20,583	4.29	882	18	18,048	3.55	640	2-71		44	582	.10	36	47
16-04-0404	6992101	1273756	4-66	4	301	18,748	3.46	649	6	14,790	3.73	551	7-71		44	793	-.01	27	46
16-04-0411	7307534	1252934	11-68	1	305	26,400	3.36	887	31	18,050	3.61	652	5-71		36	799	-.02	26	46
16-04-0411	7523767	1427381	7-69	1	305	21,300	3.38	720	61	17,020	3.61	615	9-71		36	1,106	.01	42	68
16-06-0020	5934012	1199324	5-63	6	302	15,963	3.58	572	14	12,853	3.63	466	6-71		44	812	-.02	27	47
16-06-0020	6545826	1237057	2-66	4	303	17,665	3.42	605	20	12,048	3.57	430	1-72		44	928	-.06	25	49
16-06-0030	6932145	1309574	4-67	3	305	17,337	3.48	603	13	12,743	3.65	465	9-71		42	719	.02	29	46
16-06-0037	7062433	1273756	12-63	3	305	17,337	3.43	594	22	13,520	3.54	479	9-71		42	735	.01	28	45
16-06-0048	6445602	1273756	8-65	4	304	20,495	3.61	739	26	16,583	3.87	642	2-71		44	809	-.01	28	47
16-06-0048	6724101	1273756	2-66	2	305	21,815	3.69	806	53	16,805	3.84	645	5-71		40	850	.02	33	53
16-06-0048	6735739	1347940	11-66	3	305	21,036	3.52	740	34	17,443	3.85	671	3-71		42	919	-.04	27	50
16-06-0048	6942414	1406271	9-67	1	289	19,460	3.95	769	69	16,260	3.87	630	8-71		36	661	.05	31	45
16-06-0064	6425702	1278644	12-65	4	305	20,850	3.35	698	5	16,537	3.55	587	3-71		44	880	-.08	19	42
16-06-0084	5574324	1273756	9-61	8	302	19,441	3.96	770	27	16,741	3.76	629	1-71		44	673	.06	34	48
16-06-0096	5961352	1273756	10-63	6	299	18,235	3.41	621	13	13,607	3.65	497	3-72		44	882	-.01	30	51
16-06-0098	7425055	1404931	8-69	1	290	23,610	3.32	784	51	16,950	3.27	555	10-71		36	838	-.07	20	42
16-06-0125	6854118	1290716	7-66	4	303	18,550	4.24	786	23	15,320	3.72	570	8-71		44	411	.17	40	45
16-06-0125	7901781	1404931	12-69	1	305	23,480	3.12	733	33	14,350	3.69	530	10-71		36	1,003	-.12	18	45
16-06-0125	8082620	1312008	4-70	1	305	21,220	3.68	780	27	14,900	3.62	540	2-72		36	578	.06	30	42
16-06-0128	6013392	1273756	8-63	5	305	19,258	3.70	712	42	16,594	3.54	587	8-71		44	667	.05	31	46
16-06-0128	6466389	1273756	11-64	5	302	22,130	3.22	713	50	15,878	3.59	570	1-72		44	1,120	-.05	33	61
16-06-0128	6500802	1273756	9-65	4	305	19,405	3.70	718	44	16,633	3.47	577	8-71		44	669	.06	33	47
16-06-0128	6750055	1273756	10-66	4	304	24,590	3.29	809	35	17,765	3.53	627	3-72		44	1,183	-.02	39	68
16-06-0128	6996449	1285709	10-67	2	305	24,750	3.39	840	33	17,805	3.65	649	3-71		40	871	-.06	22	44
16-06-0128	6996450	1312008	10-67	3	305	23,310	3.01	702	54	17,103	3.50	598	11-71		42	839	-.04	24	45
16-06-0128	7272236	1404202	8-68	2	305	25,440	3.24	824	59	18,870	3.49	658	1-72		40	1,069	-.10	23	51
16-06-0130	5201261	1290716	8-60	8	304	19,766	3.66	723	68	15,296	3.63	556	1-72		44	589	.09	34	46
16-06-0130	6293418	1254887	8-64	5	304	21,230	3.54	751	72	15,968	3.66	584	10-71		44	788	-.02	26	45
16-06-0137	6569451	1451369	2-66	4	297	24,582	3.54	869	21	15,632	3.77	589	7-71		33	1,361	-.02	46	79
16-06-0137	6686198	1458744	7-66	3	305	25,236	3.97	1001	34	17,583	3.56	626	2-72		42	1,352	.07	59	89
16-06-0137	6841988	010260599	5-67	1	305	25,160	3.92	987	29	19,070	3.38	644	1-72		36	708	.00	26	43

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C O	REPT (%)	.......C O W MILK (LB)	I N D E X....... FAT (%)	FAT (LB)	DOL-LARS
16-06-0137	7166243	1429521	4-68	2	305	27,520	3.23	888	25	17,810	3.59	639	1-72		29	1,141	-.08	29	$ 58
16-06-0137	7285411	1508475	8-68	2	305	27,870	3.04	848	21	18,170	3.69	670	2-72		29	1,411	-.14	28	66
16-06-0137	7285414	1508475	9-68	1	305	23,930	3.35	802	21	16,580	3.75	622	3-71		23	893	-.07	22	45
16-06-0159	7226336	1458744	9-68	2	296	20,660	3.28	678	44	16,240	3.43	557	10-71		40	917	-.03	28	51
16-06-0159	7274131	1458744	11-68	2	305	18,110	4.12	746	35	16,600	3.39	562	1-72		40	625	.08	34	47
16-06-0162	5867943	1273756	7-63	6	305	21,100	3.95	833	24	15,622	3.74	584	3-71		44	1,017	.07	47	69
16-06-0162	5867944	1273756	7-63	6	303	17,475	4.00	699	22	15,317	3.73	572	4-71		44	585	.07	31	43
16-06-0166	6928598	1273756	7-67	2	218	20,055	3.82	767	24	15,630	3.72	581	1-71	B	40	778	.05	35	52
16-06-0184	6410045	1273756	6-65	3	305	20,417	3.86	789	9	14,850	3.59	533	11-71		42	951	.06	44	65
16-06-0199	7293514	010288790	7-67	3	294	17,490	3.49	611	17	13,893	3.78	525	12-71		40	669	.03	28	43
16-06-0201	6423842	1273756	8-65	4	304	20,745	3.55	737	11	15,913	3.73	593	8-71		44	914	.01	34	56
16-06-0204	6582535	1273756	8-64	5	305	18,250	3.79	691	19	14,970	3.74	560	5-71		44	725	.04	32	48
16-06-0225	6452236	1221835	1-66	4	301	24,593	3.83	943	15	18,303	3.78	692	3-71		44	1,059	.01	40	65
16-06-0244	6931736	1475392	6-67	3	297	20,666	3.10	641	7	14,186	3.40	482	9-71		33	945	-.05	26	50
16-06-0244	7855768	1539607	7-69	1	305	23,170	4.04	935	5	15,940	3.67	585	12-71		19	702	.06	34	49
16-06-0247	6142685	1271075	9-64	4	305	21,230	3.38	718	33	16,900	3.63	614	6-71		43	965	-.04	28	52
16-06-0249	7260128	1348259	11-67	2	304	22,670	3.75	851	13	18,190	3.48	633	1-71		40	759	.04	34	51
16-06-0269	5533844	1244845	3-62	8	305	22,643	3.51	794	26	16,559	3.73	617	11-71		44	1,009	-.05	28	54
16-06-0269	6583692	1273756	9-65	5	291	20,940	3.51	735	35	18,104	3.68	666	12-71		44	708	.00	25	42
16-06-0269	6583695	1479547	9-65	3	284	21,736	3.60	783	35	17,786	3.67	652	4-71		35	772	.00	28	46
16-06-0269	7092102	1458744	12-67	3	299	20,866	3.86	806	45	18,633	3.64	679	1-72		42	740	.03	31	48
16-06-0272	6994210	1458744	11-67	2	305	16,585	3.37	559	12	12,955	3.64	472	7-71		40	804	-.03	24	44
16-06-0319	6397084	1273756	7-65	5	302	17,252	3.76	649	37	14,062	3.71	522	10-71		44	702	.04	31	47
16-06-0319	6677888	1413165	10-66	3	305	21,626	3.31	715	27	15,290	3.66	560	4-71		42	1,059	-.13	18	47
16-06-0340	6831210	1273756	11-66	3	300	19,110	3.09	590	8	14,117	3.46	489	11-71		42	877	-.04	26	48
16-06-0364	7234881	1273756	4-67	3	297	22,393	3.09	692	10	16,160	3.51	567	7-71		42	1,043	-.05	30	56
16-06-0364	7599100	1377691	11-68	2	293	23,400	2.79	653	13	16,965	3.26	553	1-72		40	918	-.11	17	42
16-06-0369	6759373	1273756	11-66	4	242	19,953	3.19	636	15	16,083	3.49	561	3-72	B	44	798	-.02	25	45
16-06-0375	6502788	1436308	3-66	3	301	16,960	3.47	589	6	12,963	3.67	476	7-71		33	749	-.03	23	42
16-06-0396	6781497	1273756	3-66	3	305	22,203	3.59	797	20	19,680	3.42	674	2-72		42	657	.05	31	45
16-06-0396	6781500	1273756	6-66	3	305	22,707	3.28	744	19	18,913	3.48	659	12-71		42	794	-.02	26	45
16-06-0396	6781501	1273756	12-66	2	299	23,695	2.96	702	12	16,630	3.68	612	8-71		40	1,057	-.08	25	53
16-06-0396	7044586	1273756	10-66	3	305	24,377	2.98	726	17	19,467	3.41	663	4-72		42	929	-.06	24	48
16-10-0014	6064343	1273756	2-64	5	305	17,202	4.10	706	39	15,222	3.77	574	4-71		44	561	.08	32	43
16-10-0014	6489448	1273756	7-65	5	303	18,066	4.12	745	34	15,360	3.79	582	4-72		44	656	.08	36	49
16-10-0014	6620405	1273756	11-64	5	305	17,782	3.78	673	54	15,016	3.78	568	8-71		44	660	.03	29	44
16-10-0014	6814062	1273756	1-67	3	302	18,940	4.02	762	59	15,317	3.80	582	10-71		42	733	.06	36	52
16-10-0014	7065471	1312008	8-67	3	305	20,517	3.61	741	55	15,260	3.81	582	11-71		42	708	.03	30	46
16-10-0014	7120452	1236789	8-68	2	305	22,525	3.59	809	55	15,370	3.79	582	6-71		40	1,070	-.02	36	62
16-10-0014	7120454	1236789	8-68	2	305	21,800	3.82	832	29	16,075	3.86	621	3-72		40	931	.01	35	57
16-10-0029	6474196	1268297	10-65	4	300	20,145	3.55	716	40	14,845	3.83	569	2-71		43	851	.02	34	54
16-10-0029	6774010	1268297	1-67	3	305	20,093	3.77	757	51	15,657	3.77	590	7-71		42	721	.07	36	51
16-10-0029	7126857	1507762	9-68	2	305	22,695	3.67	834	64	16,565	3.76	623	11-71		29	953	-.03	30	53
16-10-0032	6014995	1244009	7-63	5	304	21,862	3.71	812	31	18,642	3.73	696	4-71	H	44	861	-.03	27	48
16-10-0032	6911434	1389915	7-67	2	305	25,650	3.52	904	26	18,370	3.81	700	3-71		38	1,177	-.07	31	61
16-10-0039	6635780	1273756	10-66	3	228	17,987	4.01	721	49	14,440	4.09	591	1-72	B	42	714	.03	31	47
16-10-0039	6840438	1273756	2-67	2	277	18,425	3.69	679	60	13,745	3.97	545	7-71	B	40	785	.00	29	48
16-10-0039	6840439	1273756	3-67	2	305	17,780	3.94	700	56	14,400	4.02	579	1-71		40	660	.03	28	43
16-10-0039	6954213	1308138	1-68	2	264	17,930	4.34	778	55	12,745	3.95	503	8-71	B	32	624	.10	37	49
16-10-0048	6900483	1348259	5-67	3	296	21,613	3.68	795	23	16,633	3.61	600	4-71		42	855	.02	34	54
16-10-0053	6719035	1273756	11-66	3	305	22,027	4.05	891	7	17,000	3.74	635	4-71		42	914	.09	46	65
16-10-0053	7219218	1499133	7-68	2	305	24,555	3.28	806	9	17,650	3.81	673	1-72		37	1,461	-.12	33	71
16-10-0087	6853621	1261857	12-66	4	298	16,043	3.46	555	11	14,073	3.50	493	3-72		44	622	.04	29	43
16-10-0120	5317622	1290716	12-60	8	305	20,526	4.04	830	26	17,215	3.62	623	1-71		44	464	.16	40	47
16-10-0120	6517840	1273756	1-65	4	290	18,898	4.07	769	32	16,305	3.72	607	8-71		44	643	.09	36	49
16-10-0120	7166940	1273756	5-68	2	305	21,675	3.94	853	39	18,180	3.71	674	2-72		40	710	.06	35	50
16-10-0120	7324892	1508685	1-69	1	305	24,110	3.42	825	25	17,160	3.71	637	5-71		35	912	-.08	21	45
16-10-0120	7345941	1458744	10-68	2	292	22,850	3.19	730	48	18,860	3.70	698	1-72		40	900	-.08	20	44
16-10-0123	6331830	1273756	6-65	4	290	18,348	3.80	697	10	15,355	3.67	564	4-71		44	680	.05	32	47
16-10-0123	6877934	1290716	4-67	3	305	21,460	3.68	789	17	16,880	3.51	592	1-72		42	556	.11	36	46
16-10-0123	7055532	1273756	10-67	2	305	18,675	4.17	779	7	16,670	3.56	593	4-72		40	543	.10	35	45
16-10-0141	7299360	1404202	1-69	1	299	18,950	4.62	876	17	15,670	3.44	539	6-71		36	633	.05	30	44
16-12-0011	7686842	1505968	3-69	1	305	21,490	3.35	719	19	16,300	3.56	581	11-71		24	849	-.05	23	45
16-12-0011	7686843	1505968	3-69	1	305	20,380	3.42	697	19	16,020	3.48	558	9-71		24	772	-.03	23	42
16-12-0020	6241293	1273756	1-64	3	304	21,790	3.02	658	24	17,460	3.58	625	12-71		42	839	-.07	20	42
16-12-0020	7180536	1456744	7-68	1	305	21,270	3.84	816	33	16,310	3.60	587	6-71		36	863	.02	34	54
16-12-0026	5438110	1189870	10-61	7	299	21,191	3.50	742	26	16,851	3.71	626	3-71		44	789	-.02	25	44
16-12-0026	5724135	1244845	12-62	5	305	23,602	3.41	804	23	17,732	3.71	657	2-71		44	996	-.08	24	50
16-12-0026	6661679	1485648	11-66	3	305	21,386	3.67	784	19	17,253	3.76	648	6-71		34	725	.00	26	43
16-12-0027	6631360	1460590	5-66	4	295	21,258	3.60	765	33	15,963	3.50	559	10-71		30	829	.01	32	51
16-12-0034	5809976	1303502	2-63	7	303	23,020	3.47	798	9	16,874	3.57	602	7-71		44	908	-.01	31	53
16-12-0042	5722571	1273756	11-62	6	288	20,632	3.51	724	12	16,717	3.64	608	3-71		44	830	.01	31	51
16-12-0042	6153566	1273756	10-64	3	305	18,820	3.88	730	20	15,247	3.65	556	3-71		42	727	.06	35	51
16-12-0042	7170883	1404202	11-68	2	305	23,665	3.14	743	11	15,280	3.62	553	2-72		40	1,214	-.13	24	56
16-12-0046	6348435	1308429	12-64	5	305	20,146	3.72	750	13	15,882	3.50	556	2-72		44	733	.00	26	44
16-12-0046	7402993	1312008	10-68	1	305	25,710	3.15	809	12	17,110	3.35	574	5-71		36	764	.02	30	48
16-12-0046	7640719	1290716	4-68	2	305	20,310	3.91	795	13	15,630	3.40	531	11-71		40	488	.15	40	48
16-12-0079	6538663	1273756	12-65	4	299	18,000	3.74	673	24	15,645	3.58	560	6-71		44	605	.05	29	42
16-12-0080	6927684	1375967	1-67	3	305	23,833	3.77	899	22	18,000	3.76	676	7-71		42	955	-.05	27	51
16-12-0080	7214484	1377691	11-68	2	294	25,215	3.26	822	31	18,755	3.67	689	12-71		40	939	-.08	22	46
16-12-0080	7313530	1504686	12-68	2	305	24,175	3.72	900	17	18,495	3.59	664	3-72		38	865	.06	41	60
16-12-0083	6338870	1424030	5-65	4	271	24,368	3.29	802	29	16,655	3.38	563	6-71		33	1,318	-.05	40	73
16-12-0083	7137775	1360676	7-68	2	294	22,810	3.20	729	28	17,655	3.47	612	10-71	B	39	987	-.04	30	55
16-12-0083	7137775	1427381	7-68	2	290	20,660	3.44	711	24	16,725	3.50	586	6-71		40	1,144	.02	45	72
16-12-0083	7225734	1330987	12-68	2	224	24,220	3.08	746	24	17,755	3.52	625	2-72	B	40	989	-.04	29	54

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C D	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOLLARS
16-12-0083	7435836	1458744	7-69	1	275	26,990	3.67	991	25	17,330	3.51	608	10-71	B	36	1,220	.01	46	$ 75
16-12-0083	7435837	1458744	7-69	1	262	20,950	3.39	711	25	17,330	3.51	608	10-71	B	36	770	-.02	25	44
16-12-0083	7435840	1458744	10-69	1	257	22,460	3.46	778	25	17,330	3.51	608	10-71	B	36	883	-.01	30	51
16-12-0083	7435844	1427381	10-69	1	204	21,540	3.77	813	28	18,760	3.49	654	11-71	B	36	1,007	.07	47	69
16-12-0101	5853901	1199324	3-63	6	305	16,873	3.40	573	28	13,950	3.66	510	2-71		44	802	-.05	22	42
16-12-0101	7088845	1308429	8-66	3	305	20,917	3.27	683	26	14,350	3.64	523	1-72		42	924	-.10	18	43
16-12-0129	4892454	1273756	6-59	6	305	19,047	3.72	709	15	14,957	3.63	543	4-71		44	830	.04	36	55
16-12-0129	7026171	1330987	1-68	2	305	19,420	3.54	687	21	15,055	3.93	591	4-71		40	748	-.01	26	44
16-12-0129	7341865	1427381	2-69	1	305	19,460	3.67	715	24	14,610	3.83	559	4-71		36	1,130	.03	46	72
16-12-0129	7387835	1427381	6-69	1	305	18,870	3.18	601	28	16,450	3.64	599	12-71		36	963	.00	35	58
16-12-0129	7387836	1427381	7-69	1	305	21,960	3.75	824	25	16,470	3.66	602	11-71		36	1,192	.05	51	78
16-12-0129	7507757	1330987	1-70	1	305	19,020	3.85	732	24	14,870	3.73	554	2-72		36	631	.05	30	44
16-12-0130	5697185	1085978	9-62	6	305	20,670	3.48	719	24	16,863	3.63	612	5-71		44	928	-.04	27	50
16-12-0132	7329031	1417208	1-69	1	305	19,450	3.40	662	17	15,410	3.61	556	7-71		36	719	-.01	25	42
16-12-0134	7460093	1493686	7-69	1	305	21,480	3.46	743	27	16,160	3.54	572	9-71		35	839	.02	34	53
16-12-0134	7612198	1493686	12-69	1	305	20,830	3.10	645	25	16,810	3.52	591	1-72		35	746	-.01	25	43
16-12-0135	7124278	1427381	9-68	2	305	20,350	3.27	665	30	18,105	3.48	630	3-72		40	987	.01	37	60
16-12-0135	7236274	1493686	12-68	2	305	22,715	3.19	724	31	17,680	3.51	621	3-72		40	945	-.03	30	53
16-12-0155	6623723	1273756	6-65	5	300	20,302	3.32	675	9	16,616	3.44	571	2-72		44	799	-.01	28	47
16-12-0155	7274374	1290716	2-68	2	284	22,495	3.29	741	16	14,310	3.49	499	8-71		40	830	.05	38	56
16-12-0155	7922791	010275932	2-69	1	305	25,550	3.12	797	17	15,580	3.38	527	1-72		36	882	-.02	28	50
16-12-0168	7125825	1350848	6-68	2	305	19,235	3.34	643	28	13,400	3.31	443	3-72		39	846	-.06	22	44
16-12-0169	7652604	1427381	1-69	1	305	18,300	3.75	686	19	16,480	3.57	589	9-71		36	918	.06	42	62
16-12-0170	6857574	1273756	3-67	3	299	20,243	3.79	768	11	18,070	3.65	660	12-71		42	598	.05	29	42
16-12-0172	6271174	1273756	12-64	5	296	16,304	4.00	652	93	13,404	3.78	507	8-71		44	656	.06	33	47
16-12-0172	7176109	1377691	2-68	2	305	20,950	3.64	763	44	16,660	3.55	592	7-71		40	698	.00	25	42
16-12-0191	7080683	1458744	5-68	2	292	17,940	3.67	659	11	14,160	3.64	516	10-71		40	831	.00	30	50
16-14-0003	6264325	1273756	11-64	4	305	20,858	3.57	745	37	16,038	3.82	613	8-71		44	914	-.01	32	54
16-14-0003	6749368	1273756	12-66	3	305	21,440	3.68	790	20	17,623	3.69	651	2-71		42	782	.03	32	50
16-14-0003	7064777	1290716	11-67	2	305	21,650	3.49	755	55	16,115	3.67	592	12-71		40	580	.07	31	43
16-14-0003	7354841	1372874	10-68	2	305	24,105	3.36	811	51	17,435	3.64	635	12-71		40	929	-.09	19	44
16-14-0014	5564975	1190547	3-62	7	305	22,116	3.58	792	53	17,326	3.54	613	10-71		39	952	-.01	33	56
16-14-0014	5644199	1237057	8-62	7	304	22,033	3.49	769	54	18,050	3.61	652	4-71		44	821	-.06	21	42
16-14-0014	5923979	1242163	9-63	3	305	27,367	3.21	878	69	18,530	3.48	645	2-72		42	1,398	-.16	25	63
16-14-0014	6100988	1392003	6-64	4	305	22,168	3.37	748	77	16,675	3.56	594	6-71		35	782	-.02	25	44
16-14-0014	6562532	1436024	5-66	3	305	22,643	3.76	852	72	17,713	3.55	629	2-71		32	782	.04	35	52
16-14-0014	6693127	1070036	11-66	2	305	25,860	3.42	884	77	18,980	3.57	678	3-71		40	969	.02	38	61
16-14-0014	6916124	1499901	10-67	3	305	23,693	3.11	737	69	18,296	3.48	637	2-72		32	1,050	-.10	23	51
16-14-0014	6916126	1499901	11-67	3	302	22,650	3.37	763	81	17,943	3.55	637	11-71		32	951	-.05	26	50
16-14-0014	6975367	1462001	1-68	1	305	22,820	3.62	826	106	17,220	3.64	627	8-70		31	821	-.05	22	43
16-14-0014	7159223	1499901	5-68	3	290	24,873	3.14	781	61	18,440	3.48	641	3-72		32	1,194	-.10	28	59
16-14-0014	7182003	1499901	9-68	2	305	21,880	3.54	775	96	17,070	3.63	620	9-71		29	886	-.03	27	49
16-14-0014	7288530	1427381	1-69	2	287	20,065	3.59	721	85	17,915	3.56	637	11-71		40	975	.04	42	64
16-14-0014	7445540	1427381	9-69	1	305	20,370	3.32	676	111	16,600	3.64	605	7-71		36	1,065	.01	40	65
16-14-0017	5956097	1273756	6-63	7	303	21,726	3.25	706	21	15,650	3.71	580	3-72		44	1,095	-.05	31	59
16-14-0017	6323815	1273756	4-65	5	304	19,790	3.63	718	16	14,888	3.77	562	12-71		44	934	.01	35	57
16-14-0017	6676338	1273756	9-66	3	305	18,033	4.39	791	23	15,323	3.71	569	6-71		42	628	.12	41	53
16-14-0017	6684456	1273756	9-66	4	285	19,033	3.76	716	22	15,145	3.68	557	4-72		44	788	.04	35	53
16-14-0017	6843693	1273756	5-67	3	305	19,167	3.48	667	20	14,810	3.77	558	8-71		42	812	-.01	28	48
16-14-0017	6957344	1389471	1-68	2	305	22,505	3.39	764	22	15,155	3.71	563	1-72		40	912	-.06	23	46
16-14-0017	7186901	1312008	6-68	2	305	19,615	4.06	796	18	14,965	3.72	557	12-71		40	575	.10	36	47
16-14-0020	6952777	1458744	7-67	3	299	17,940	3.75	673	43	15,996	3.64	582	8-71		42	677	.01	26	42
16-14-0037	6773095	1273756	10-65	2	305	24,325	3.81	927	29	18,215	3.55	646	12-71		40	976	.06	45	66
16-14-0038	6249480	1408640	2-65	4	305	22,545	3.57	805	20	18,060	3.58	647	11-71		43	794	.00	29	48
16-14-0038	6379730	1454800	10-65	3	305	21,290	3.81	812	21	16,386	3.64	596	4-72		41	652	.04	29	44
16-14-0038	6585582	1347940	5-66	3	250	24,540	3.60	883	27	17,843	3.79	676	12-70		42	1,281	-.02	43	74
16-14-0038	6855004	1473942	6-67	3	305	23,933	3.70	885	28	17,533	3.67	643	11-71		36	1,087	-.02	36	62
16-14-0038	6970272	1377691	2-68	2	305	21,040	3.98	838	33	17,190	3.61	621	9-71		40	658	.04	30	45
16-14-0038	7332950	1427381	6-69	1	305	21,160	3.35	708	22	16,610	3.70	614	7-71		36	1,123	.00	41	68
16-14-0041	6185562	1273756	7-64	4	299	18,203	3.68	670	32	14,505	3.83	555	3-71		44	757	.01	29	47
16-14-0041	7096782	1499133	7-68	2	305	16,190	3.55	574	33	13,230	3.72	492	12-71		37	994	-.06	26	51
16-14-0046	6913927	1484032	7-67	3	284	21,293	3.75	799	54	16,427	3.64	598	8-71		29	723	.03	30	47
16-14-0046	7085061	1282596	5-68	2	305	26,600	3.18	847	51	16,750	3.67	614	7-71		40	1,132	-.10	25	55
16-14-0060	5484081	1273756	12-61	8	301	19,713	3.65	720	28	15,029	3.62	544	4-72		44	907	.03	37	58
16-14-0060	7325763	1458744	2-69	1	305	19,470	3.42	666	53	14,160	3.59	509	9-71		36	873	-.02	28	49
16-14-0060	7325764	1458744	3-69	1	305	19,740	3.52	694	25	15,630	3.59	561	2-72		36	794	-.01	27	46
16-14-0060	7460071	1458744	8-69	1	305	18,390	3.84	706	44	15,500	3.54	549	12-71		36	702	.02	28	44
16-14-0063	6713896	1464924	8-66	4	301	19,290	3.70	714	43	15,905	3.67	583	2-72		33	678	.03	29	44
16-14-0063	7231695	1404202	9-68	2	305	22,360	3.83	857	32	17,055	3.69	630	2-72		40	922	-.03	29	52
16-14-0063	7416815	1404202	7-69	1	305	25,920	2.63	682	19	15,720	3.39	533	4-72		36	1,149	-.16	16	48
16-14-0063	7416817	1404202	8-69	1	293	21,770	3.33	726	49	15,310	3.46	530	1-72		36	867	-.07	20	4[illegible]
16-14-0091	7178820	1330987	8-68	1	305	16,140	4.81	777	15	14,120	3.66	517	4-71		36	466	.13	36	44
16-14-0100	7430695	1417208	8-69	1	305	21,170	3.63	769	10	16,720	3.46	579	1-72		36	760	.02	31	48
16-14-0108	7027666	1273756	8-66	3	302	19,710	3.45	680	29	15,887	3.67	583	2-71		42	763	.00	27	45
16-14-0108	7308696	1273756	7-67	2	305	19,180	3.69	708	31	16,435	3.48	572	7-71		40	616	.05	30	43
16-14-0114	5697346	1319234	8-62	7	305	22,981	3.61	829	7	19,309	3.54	683	10-71		39	916	-.01	32	54
16-14-0114	6631895	1458744	4-66	3	288	23,626	3.31	783	11	18,156	3.64	660	8-70		42	1,107	-.06	31	59
16-14-0114	6822650	1319234	5-67	3	305	20,373	3.68	750	14	18,097	3.44	623	11-71		37	676	.02	27	43
16-14-0118	7402787	1375967	6-69	1	305	26,660	3.51	937	21	19,530	3.49	682	3-72		36	837	-.07	20	42
16-14-0120	6622574	1458742	6-66	4	304	21,613	3.59	775	16	16,328	3.60	587	2-72		30	833	.00	30	50
16-14-0120	7144137	1427381	5-68	2	304	19,400	3.61	701	16	15,865	3.64	578	12-71		40	1,095	.04	45	70
16-14-0120	7144138	1427381	7-68	2	301	20,565	3.75	772	16	15,985	3.60	576	7-71		40	1,202	.06	52	79
16-14-0120	7449574	1417208	6-69	1	305	22,450	3.11	699	15	15,500	3.59	557	9-71		36	937	-.04	27	51
16-14-0127	7416132	1417208	7-69	1	305	22,410	3.81	853	47	13,660	3.87	528	4-71		36	1,057	.02	41	66
16-14-0130	7550869	1426616	11-69	1	305	20,620	3.24	668	5	15,770	3.56	561	4-72		33	795	-.04	22	42

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C D	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
16-16-0002	7504038	1389471	8-69	1	305	23,870	3.29	786	43	14,020	3.54	496	11-71		36	900	-.06	24	$ 47
16-16-0060	5627862	1390735	5-62	7	302	20,708	3.65	756	55	14,965	3.70	553	9-70		36	1,020	.01	38	62
16-16-0060	5887393	1390735	5-63	7	301	19,094	3.63	693	48	14,630	3.62	529	9-71		36	824	.02	32	51
16-16-0060	6323462	1432733	5-65	4	304	20,080	3.37	677	49	14,425	3.62	522	10-70		43	966	-.04	29	53
16-16-0060	6769972	1273756	10-66	4	304	18,793	3.81	716	48	14,413	3.60	519	11-71		44	840	.06	39	57
16-16-0060	6769980	1471783	3-67	3	294	21,353	3.25	693	36	15,387	3.67	565	5-71		33	917	-.09	19	43
16-16-0060	6878874	1471783	4-67	3	302	19,797	3.40	673	40	13,883	3.68	511	10-71		33	890	-.06	23	46
16-16-0060	7430280	1502793	3-69	1	305	21,590	3.28	709	39	14,620	3.69	540	5-71		23	804	-.05	21	42
16-16-0071	5696149	1190632	10-61	4	305	21,898	3.45	755	6	15,098	3.59	542	8-71		44	1,062	-.10	23	51
16-16-0121	6381813	1237057	7-65	4	305	19,848	3.27	650	32	14,938	3.46	517	10-71		44	876	-.07	21	44
16-16-0121	7496366	1489981	7-69	1	305	20,840	3.45	718	22	14,990	3.30	494	2-72		35	633	.09	36	49
16-16-0124	6261617	1281050	2-65	4	305	19,060	4.05	771	83	13,250	3.77	499	9-71		43	835	.04	36	55
16-16-0124	6974700	1458744	10-67	2	305	22,750	3.35	761	21	15,755	3.59	566	5-71		40	1,174	-.04	36	65
16-16-0124	7016574	1347940	2-68	1	305	17,820	3.63	647	30	14,680	3.67	539	8-71		36	754	.00	27	45
16-16-0124	7212380	1347940	8-68	2	297	17,995	3.57	642	26	15,495	3.67	568	8-71		40	752	-.01	25	43
16-16-0124	7212381	1347940	8-68	2	299	18,055	3.69	667	26	15,535	3.65	567	8-71		40	755	.01	28	46
16-16-0124	7451184	1458744	7-69	1	305	21,200	3.24	686	25	16,880	3.69	623	3-72		36	819	-.05	22	43
16-16-0137	6749405	1237057	1-67	3	305	21,047	3.29	693	20	13,923	3.62	504	1-72		42	1,083	-.08	26	54
16-16-0146	6792905	1290716	6-66	4	291	19,128	3.86	738	23	15,270	3.60	550	9-71	B	44	488	.12	36	44
16-16-0146	7027615	1333641	11-67	3	232	21,187	3.54	751	24	15,630	3.54	553	2-72	B	42	671	.03	28	43
16-16-0155	7426320	1375967	4-69	1	305	22,020	3.51	774	29	13,070	3.37	441	9-71		36	924	-.06	24	48
16-16-0160	6802363	1273756	8-65	4	305	18,850	3.77	711	14	15,393	3.86	594	11-71		44	738	.02	30	47
16-16-0180	6602515	1273756	5-66	4	291	16,983	3.74	635	12	14,198	3.68	522	5-71		44	640	.04	29	43
21-01-0073	5701900	1085978	3-61	7	288	17,431	3.75	653	16	15,100	3.58	541	12-71	B	44	715	.01	27	44
21-01-0253	6784100	1348259	4-67	3	303	21,510	3.32	714	16	16,073	3.63	584	12-71		42	901	-.04	26	49
21-01-0253	6817100	1478949	5-67	3	305	20,523	3.33	684	17	16,073	3.68	592	11-71		38	783	-.01	26	45
21-01-0253	7370079	1520951	2-69	1	305	23,480	3.85	904	17	15,200	3.76	572	11-71		31	773	.01	30	48
21-01-0410	6189281	1085978	8-64	6	300	18,345	3.94	723	14	16,400	3.62	593	9-71		44	682	.04	30	45
21-01-0410	6251237	1085978	11-64	6	292	20,698	3.56	736	6	17,545	3.61	634	1-72	B	44	853	-.03	26	47
21-01-0410	7409737	1419528	6-69	1	305	23,530	3.60	847	18	17,010	3.77	641	10-71		36	769	.01	30	48
21-01-0607	6723774	1326163	8-66	3	305	22,093	3.34	737	67	14,453	3.51	508	9-71		42	741	.02	30	47
21-01-0607	7143877	1499133	8-68	1	305	16,310	3.86	630	75	14,000	3.51	492	7-71		33	921	-.03	29	52
21-01-0879	6204084	1085978	11-64	6	292	19,792	3.53	698	55	16,333	3.54	579	12-71		44	876	-.02	28	50
21-01-0879	6726090	1425137	10-66	3	305	22,557	3.40	767	51	16,047	3.51	564	10-71		42	811	-.03	24	44
21-01-0879	7236454	1458744	7-68	2	305	23,585	3.36	792	50	17,110	3.47	593	8-71		40	1,135	-.03	36	64
21-01-0879	7236460	1458744	10-68	1	305	19,900	3.55	706	50	16,550	3.53	585	8-71		36	744	-.01	26	44
21-01-0879	7236473	1377691	10-68	1	215	24,330	3.47	845	31	17,720	3.49	619	2-71	H	36	772	-.02	25	44
21-01-0879	7296584	1458744	2-69	1	289	20,480	3.48	713	32	16,770	3.61	605	2-72		36	773	-.02	25	44
21-01-0879	7510604	1458744	7-69	1	305	20,240	3.51	710	41	16,360	3.63	594	1-72		36	782	-.02	25	44
21-01-0879	7533200	1486235	9-67	3	304	20,273	3.48	706	69	16,543	3.52	582	10-71		33	767	-.01	26	45
21-01-0879	7564818	1458744	10-69	1	305	20,540	3.52	722	32	16,770	3.61	605	2-72		36	777	-.01	26	45
21-01-0928	7080796	1458744	5-68	1	305	20,130	3.53	711	49	15,050	3.77	567	8-70		36	862	-.03	27	48
21-02-0033	6796288	1471260	12-66	2	305	20,025	3.96	792	16	14,725	3.42	504	11-71		35	633	.09	37	50
21-02-0033	7158910	1458744	8-68	1	305	20,200	3.08	623	27	15,790	3.34	528	10-70		36	818	-.04	23	44
21-02-0033	7324403	1348259	12-67	2	305	21,565	3.37	726	47	16,835	3.39	571	4-71		40	771	-.01	27	46
21-02-0077	5559485	1252934	2-62	6	302	17,943	4.36	783	19	15,568	3.58	558	9-71		44	453	.13	36	43
21-02-0077	6110124	1085978	3-64	5	305	20,546	3.59	737	20	15,858	3.60	571	7-71		44	1,029	-.02	34	59
21-02-0116	6522665	1441440	9-65	4	240	19,597	3.43	672	12	13,820	3.68	509	11-71		44	1,055	-.01	36	61
21-02-0129	6292748	1278644	1-65	4	305	21,105	3.23	681	15	16,375	3.42	560	12-71		44	929	-.09	20	45
21-02-0129	6718965	1347940	11-66	4	305	18,670	3.84	717	15	15,575	3.52	549	2-72		44	857	.04	37	56
21-02-0129	7025045	1458744	10-67	2	305	20,830	3.28	684	15	16,170	3.34	540	10-71		40	941	-.03	30	53
21-02-0144	6055189	1085978	12-63	6	259	17,913	3.40	609	19	14,345	3.52	505	2-71	B	44	865	-.04	25	47
21-02-0178	6394124	1410734	8-65	4	305	18,585	3.56	661	20	13,550	3.47	470	12-71		34	823	.00	29	49
21-02-0202	7019226	1438758	8-67	3	305	23,487	3.21	754	19	17,003	3.43	583	2-72		42	1,060	-.11	21	49
21-02-0219	6747749	1347940	3-67	3	258	21,063	3.46	728	6	17,123	3.54	606	12-71	B	42	955	-.02	32	55
21-02-0247	5972300	1245520	9-63	3	301	24,037	3.33	800	6	16,943	3.45	584	9-71		42	1,085	-.07	29	57
21-02-0249	6671191	1469284	10-66	4	184	20,983	3.41	715	20	16,003	3.51	561	11-71	B	30	782	-.03	24	43
21-02-0253	6363780	1437780	2-65	4	305	20,968	3.55	744	20	16,168	3.49	564	6-71		33	786	.00	28	47
21-02-0253	6664959	1237057	12-66	4	305	22,640	3.74	847	25	16,895	3.37	569	4-72		44	1,004	.02	39	62
21-02-0253	7597551	1491594	8-68	2	305	27,570	2.87	791	27	16,550	3.34	553	1-72		29	1,451	-.13	31	69
21-02-0253	7634474	1410733	10-69	1	305	26,990	3.40	918	32	16,880	3.19	539	2-72		35	1,022	.00	37	61
21-02-0253	7634475	1410733	1-70	1	305	24,780	2.93	727	17	16,350	3.16	516	4-72		35	892	-.05	24	47
21-02-0322	4481905	1265937	10-57	12	305	19,606	4.05	794	16	16,808	3.64	612	3-72		39	528	.12	37	46
21-02-0322	6664632	1249430	10-66	4	305	24,125	3.88	937	23	19,178	3.74	717	1-72		44	752	.05	35	51
21-02-0322	6677418	1458744	7-66	3	305	21,476	3.60	774	31	17,896	3.83	685	4-71		42	887	-.03	27	49
21-02-0423	5584626	1189870	2-61	8	294	20,845	3.53	735	17	16,038	3.47	557	4-72		44	839	.01	32	52
21-02-0605	6504950	1268294	9-65	5	297	21,774	3.65	794	18	18,440	3.45	636	4-72		44	703	.00	26	43
21-02-0605	7032878	1458744	11-67	3	304	23,306	3.42	796	32	19,390	3.33	646	12-71		42	943	.00	34	56
21-02-0965	6717164	1458744	8-66	4	305	21,275	4.13	878	35	15,627	3.55	555	1-72		44	1,138	.09	55	80
21-02-0965	7284885	1283917	10-68	2	305	23,070	3.14	725	33	15,000	3.65	548	2-72		40	1,042	-.14	16	45
21-02-0965	7493231	1458744	11-69	1	305	20,150	3.36	677	24	14,680	3.60	529	2-72		36	838	-.03	27	49
21-02-0965	7493233	1458744	11-69	1	305	17,020	4.07	693	33	15,000	3.61	541	1-72		36	634	.03	28	42
21-03-0035	6189393	1239886	8-64	5	303	21,828	3.15	688	8	17,004	3.39	577	5-71		44	774	-.03	24	43
21-03-0061	5370221	1085978	2-61	8	304	20,044	3.64	730	53	15,451	3.42	529	11-71		44	1,011	.01	38	62
21-03-0061	6578818	1348259	12-65	4	305	20,373	3.39	690	39	16,458	3.48	572	4-72		44	760	-.01	26	44
21-03-0061	6984922	1492241	8-67	2	305	20,870	3.29	686	90	16,555	3.39	561	7-71		36	832	-.03	25	46
21-03-0073	6606311	1348259	4-66	3	305	23,623	3.63	857	7	17,597	3.53	621	3-71		42	987	.02	39	62
21-03-0073	6998549	1312008	11-67	3	305	22,650	3.76	851	10	18,507	3.60	667	1-72		42	618	.08	34	47
21-03-0073	7132310	1273756	8-68	2	305	21,600	3.91	845	14	18,885	3.66	691	9-71		40	638	.07	33	46
21-03-0126	6828822	1278644	1-67	3	305	19,806	3.30	653	59	15,053	3.47	522	11-71		42	882	-.08	20	43
21-03-0126	7558851	1427381	8-69	1	305	23,810	3.22	767	40	17,120	3.49	597	2-72		36	1,286	.00	47	78
21-03-0147	5961656	1085978	8-63	6	303	18,438	3.25	599	43	14,992	3.55	532	3-72		44	858	-.07	21	43
21-03-0147	7299401	1282596	9-66	3	305	22,213	3.15	699	41	15,537	3.42	532	8-71		42	886	-.08	20	43
21-03-0147	7299410	1520970	10-67	3	302	19,390	4.05	785	35	15,160	3.47	526	1-72		32	562	.11	37	47
21-03-0217	7367099	1348259	5-68	2	299	25,670	3.59	922	21	17,715	3.65	647	10-71		40	1,107	.00	40	66

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C O	REPT (%)	.......C O W MILK (LB)	I N D E X....... FAT (%)	FAT (LB)	DOL-LARS
21-03-0217	7367101	1278644	11-67	2	294	24,365	3.71	904	21	17,705	3.74	662	9-71		40	1,049	-.04	31	$ 57
21-03-0222	7167053	1419528	9-68	2	305	18,445	3.57	658	23	15,150	3.26	494	11-71		40	590	.05	29	42
21-03-0225	6593444	1431546	1-66	4	305	19,127	4.08	781	22	15,077	3.79	572	4-72		35	646	.08	36	49
21-03-0225	6771682	1431546	7-66	4	304	19,292	4.06	783	18	15,182	3.75	570	4-72		35	655	.08	36	49
21-03-0248	6684149	1278644	7-66	3	305	21,756	3.34	727	15	17,263	3.50	604	2-72		42	878	-.08	20	43
21-03-0368	5767554	1352969	11-62	6	300	19,426	3.53	686	26	15,185	3.57	542	9-71		38	729	-.01	25	43
21-03-0687	7342085	1348259	1-69	1	305	23,450	3.86	906	5	15,420	3.50	540	4-72		36	889	.05	39	59
21-03-0879	6868978	1348259	6-66	3	304	19,090	3.40	649	34	15,350	3.42	525	8-71		42	698	.00	25	42
21-03-0910	6309134	1085978	11-64	5	277	18,706	3.45	645	35	15,824	3.29	521	2-72		44	795	.00	28	47
21-03-0910	6480035	1460280	9-65	4	305	20,212	3.08	623	26	15,092	3.39	512	6-71		35	891	-.09	19	43
21-03-0910	7377687	1375967	1-69	2	305	21,670	3.11	673	24	15,025	3.32	499	4-72		40	932	-.11	17	42
21-03-0910	7611341	1499133	8-68	2	292	16,695	3.35	559	44	15,095	3.22	486	1-72		37	869	-.04	25	47
21-04-0020	7366458	010287171	5-67	3	297	19,986	3.26	652	12	14,273	3.58	511	11-71		41	960	-.10	20	45
21-04-0036	5975195	1384233	10-63	6	262	21,607	3.78	817	15	16,810	3.51	590	12-71		34	660	.05	32	46
21-04-0036	6458090	1348259	12-65	2	305	23,055	3.50	806	15	18,360	3.33	612	11-71		40	783	.02	31	49
21-04-0036	7077237	1347940	3-68	2	295	23,500	3.21	754	26	18,500	3.46	640	1-72		40	1,036	-.05	30	56
21-04-0036	7077238	1347940	3-68	2	305	25,615	2.92	747	26	18,305	3.49	638	11-71		40	1,269	-.10	30	63
21-04-0036	7077239	1348259	3-68	2	305	23,220	3.36	780	18	18,725	3.48	651	3-72		40	766	-.02	25	44
21-04-0069	5838527	1245520	3-63	4	242	19,310	3.54	683	11	14,960	3.57	534	3-71		44	779	-.04	22	42
21-04-0069	6333360	1239886	3-65	3	305	21,120	3.74	789	11	15,730	3.62	570	10-71		42	758	.05	35	52
21-04-0081	7086799	1458744	9-67	2	212	16,890	3.13	528	20	12,570	3.48	438	10-70	B	40	870	-.05	24	46
21-04-0094	6193281	1237057	8-64	2	205	18,265	3.49	637	25	13,100	3.47	454	3-71	8	40	790	-.04	23	43
21-04-0116	6917856	1278644	1-67	3	297	18,343	3.72	682	20	14,600	3.55	518	11-71		42	761	-.02	24	43
21-04-0119	6926201	1387978	11-67	2	305	18,400	3.63	667	37	15,045	3.50	527	1-71		40	751	.01	28	46
21-04-0121	5789225	1112211	2-63	6	305	19,490	3.53	688	13	16,057	3.51	564	6-71		44	816	-.02	26	46
21-04-0121	5924542	1404788	1-62	6	305	25,293	3.78	955	18	16,702	3.51	586	4-71		44	1,099	.06	49	73
21-04-0121	6224335	1432347	7-64	3	305	21,356	3.74	798	11	16,736	3.58	599	4-71		32	681	.02	28	44
21-04-0124	7260087	1404931	11-68	1	305	23,570	3.25	766	22	15,660	3.63	569	1-71		36	922	-.10	18	43
21-04-0128	5440603	1239886	11-61	6	300	20,273	3.55	719	16	15,362	3.51	539	9-71		44	764	.03	32	49
21-04-0128	5462573	1085978	9-61	8	303	19,234	3.32	638	21	15,210	3.56	541	5-71		44	935	-.06	25	49
21-04-0128	6444399	1240125	8-65	4	290	19,875	3.41	678	24	16,080	3.41	548	6-71		44	754	-.01	25	43
21-04-0130	6509680	1348259	3-66	4	305	21,153	3.33	705	13	16,868	3.48	587	1-72		44	811	-.02	26	46
21-04-0130	6968913	1492243	11-67	3	302	21,010	3.35	704	14	17,283	3.48	601	3-72		38	888	-.05	25	47
21-04-0130	7065673	1348259	5-68	2	305	22,030	3.40	748	19	17,180	3.45	592	10-71		40	786	-.01	27	46
21-04-0255	5509080	1085978	9-61	7	297	17,861	3.88	693	18	14,581	3.54	516	8-71		44	831	.03	35	54
21-04-0307	7325480	1404202	5-69	1	305	22,200	3.19	708	34	15,050	3.38	508	9-71		36	916	-.09	20	44
21-04-0307	7726917	1377691	9-70	1	305	24,740	4.10	1015	34	16,210	3.44	557	1-72		36	904	.06	42	62
21-04-0316	6506358	1179372	5-65	4	305	19,128	3.52	673	12	15,313	3.50	536	7-71		44	674	.01	26	42
21-04-0356	6682500	1085978	12-66	2	305	18,980	3.28	622	12	15,425	3.42	528	6-71		40	807	-.05	22	42
21-04-0369	7192170	1516360	12-68	2	303	16,855	3.65	615	29	13,300	3.63	483	1-72		38	849	.00	31	51
21-04-0409	6607855	1221835	3-66	4	305	19,685	3.90	768	11	15,210	3.51	534	3-72		44	797	.05	36	54
21-04-0597	5913143	1085978	6-63	2	305	21,440	3.55	762	15	17,335	3.41	591	1-71		40	882	-.01	31	52
21-04-0597	6839233	1312008	7-66	3	305	21,837	3.49	762	15	16,803	3.41	573	2-72		42	700	.05	33	48
21-04-0619	7138721	1427381	8-68	2	295	18,525	3.68	682	26	16,730	3.54	593	8-71		40	927	.06	42	63
21-04-0619	7138722	1427381	9-68	2	305	19,125	3.58	684	29	16,905	3.53	596	9-71		40	972	.05	42	64
21-05-0031	6579707	1259069	7-66	4	289	19,460	3.58	696	37	13,758	3.77	518	9-71		44	827	-.04	23	44
21-05-0031	6796793	1222994	4-67	3	293	16,637	3.99	663	38	13,267	3.76	499	8-71		42	639	.04	29	43
21-05-0039	6068025	1368057	5-64	4	305	20,732	3.40	705	34	15,942	3.46	551	8-70		36	817	-.02	26	46
21-05-0043	6507702	1348259	3-66	4	305	22,818	3.58	817	28	18,230	3.68	670	2-72		44	865	-.01	30	51
21-05-0043	7076762	1386406	12-67	2	305	28,085	3.67	1031	26	18,440	3.70	682	10-71		40	1,263	.02	48	78
21-05-0094	6447799	1433929	2-65	5	298	21,006	3.47	729	12	15,048	3.66	551	4-71		36	1,066	-.03	34	60
21-05-0095	6236010	1441738	12-64	4	301	19,212	3.40	653	21	14,212	3.64	518	1-71		37	830	-.06	21	42
21-05-0095	6236011	1441738	12-64	4	305	18,925	3.49	661	23	14,335	3.61	518	2-72		37	776	-.04	22	42
21-05-0114	6474029	1348259	3-65	4	301	19,435	3.60	700	13	15,695	3.55	557	9-71		44	729	.02	29	46
21-05-0156	6205178	1239886	8-64	5	305	22,028	3.62	797	50	16,972	3.36	570	10-71		44	804	.07	39	56
21-05-0156	6439481	1278644	8-65	4	304	21,555	3.77	813	61	17,597	3.35	590	3-71		44	849	.02	33	53
21-05-0156	6777986	1348259	2-67	3	299	21,853	3.09	676	41	16,247	3.43	558	6-71		42	923	-.06	24	48
21-05-0156	6856440	1348259	1-66	4	305	22,033	3.39	747	73	18,205	3.32	604	2-72		44	771	.01	29	47
21-05-0156	7472746	1347940	11-69	1	305	24,000	3.09	741	63	19,000	3.48	662	2-72		36	925	-.05	26	49
21-05-0157	6264553	1239886	1-65	5	305	20,224	3.70	748	15	15,074	3.83	577	3-72		44	791	.02	32	50
21-05-0157	6629440	1348259	1-66	5	304	19,162	3.56	683	21	15,600	3.72	581	1-72		44	723	-.01	24	42
21-05-0160	7374275	1389471	8-68	2	305	21,590	3.85	831	12	16,395	3.57	585	4-72		40	706	.02	28	44
21-05-0167	6728515	1239242	12-66	3	305	19,467	3.88	755	59	15,017	3.72	558	1-72		42	673	.02	28	43
21-05-0167	6925406	1242163	1-67	2	305	21,805	3.14	684	54	14,145	3.72	526	7-71		40	1,121	-.18	12	44
21-05-0167	7241256	1268294	10-68	1	305	21,900	3.42	749	27	13,870	3.76	522	5-71		36	847	-.06	22	44
21-05-0167	7405925	1427381	2-69	1	305	18,500	3.09	572	55	13,940	3.82	532	8-71		36	1,104	-.02	37	64
21-05-0167	7405939	1528819	9-69	1	305	23,200	3.33	773	71	14,300	3.80	544	10-71		19	845	-.06	22	44
21-05-0194	6728814	1452078	9-66	3	305	19,103	4.31	823	21	16,360	3.75	613	10-71		32	663	.05	32	46
21-05-0194	6728815	1452078	12-65	3	305	22,380	3.58	801	20	16,516	3.80	627	10-71		32	1,086	-.07	28	56
21-05-0194	6728827	1458744	9-66	3	305	20,390	3.16	645	28	16,643	3.57	594	6-71		42	892	-.07	22	45
21-05-0242	6080231	1329588	6-64	6	305	19,487	3.64	709	20	14,308	3.65	522	9-71		44	860	-.01	30	51
21-05-0249	6194555	1426737	11-64	5	305	21,288	3.41	726	37	15,394	3.53	544	12-71		35	1,060	-.04	32	58
21-05-0270	5224556	1189870	8-60	9	301	18,950	3.87	734	16	15,750	3.66	577	10-71		44	628	.04	29	43
21-05-0270	5399754	1189870	3-61	7	305	19,079	3.98	759	21	16,151	3.65	589	10-71		44	598	.06	31	44
21-05-0270	6933148	1237057	7-67	3	304	21,927	3.45	757	29	17,183	3.70	636	11-71		42	847	-.07	20	42
21-05-0270	7392751	1458744	4-69	1	305	19,720	4.26	840	37	15,980	3.75	600	10-71		36	769	.05	35	52
21-05-0270	7498064	1458744	8-69	1	305	19,760	3.40	672	34	16,140	3.64	588	1-72		36	761	-.03	23	42
21-05-0270	7593608	1237057	10-69	1	305	23,060	3.58	825	41	16,160	3.67	593	12-71		36	824	-.04	23	44
21-05-0275	5967777	1085978	9-63	5	302	17,476	4.19	733	37	15,040	3.60	541	9-71		44	728	.07	37	52
21-05-0275	7090409	1261857	11-67	2	305	16,800	4.21	708	41	14,905	3.82	569	1-72		40	602	.10	.37	49
21-05-0275	7161413	1261857	9-67	2	305	17,945	3.59	645	50	14,590	3.79	553	11-71		40	747	.03	32	49
21-05-0275	7498933	1347940	8-69	1	305	17,930	3.77	676	25	15,620	3.80	593	3-72		36	700	.01	26	43
21-05-0275	7511219	1261857	10-69	1	305	18,270	3.51	642	18	15,430	3.77	581	4-72		36	650	.04	29	43
21-05-0309	6998188	1377691	11-67	2	305	21,765	3.48	757	12	15,500	3.58	555	3-72		40	886	-.03	28	50
21-05-0334	7149023	1377691	4-68	2	305	21,350	3.70	789	23	15,585	3.65	569	11-71		40	836	.00	30	50

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C D	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
21-05-0334	7149029	1377691	8-68	2	303	18,945	4.34	822	23	15,585	3.65	569	11-71		40	592	.08	33	$ 45
21-05-0334	7319098	1377691	10-68	2	305	20,585	3.72	765	18	15,905	3.68	586	11-71		40	730	.00	26	43
21-05-0344	7458103	1427381	5-69	1	223	21,950	4.06	892	18	17,400	3.66	636	10-71	H	36	1,129	.09	54	78
21-05-0360	6033146	1085978	11-63	6	272	20,525	3.41	699	21	16,560	3.53	584	1-71		44	945	-.05	27	51
21-05-0362	6493565	1452345	8-65	5	304	20,570	3.68	757	8	16,906	3.50	591	4-72		42	690	.01	27	43
21-05-0376	6301598	1085978	12-64	4	305	21,195	3.52	746	28	16,508	3.49	576	11-71		44	1,016	-.02	34	59
21-05-0388	6275419	1085978	1-65	5	301	23,292	3.28	764	9	18,806	3.66	689	4-71		44	1,041	-.09	24	51
21-05-0419	6976182	1303180	9-67	3	305	18,953	3.29	623	15	12,650	3.64	461	3-72		34	919	-.05	26	49
21-05-0421	5461988	1179372	3-61	8	278	20,003	3.99	799	15	15,828	3.62	573	5-71		44	746	.07	38	54
21-05-0421	7286216	1347940	11-67	2	305	21,450	3.80	816	23	16,430	3.76	617	10-71		40	1,017	.02	39	63
21-05-0421	7286218	1273756	11-67	2	305	19,320	4.06	785	12	17,030	3.69	629	1-72		40	576	.08	32	44
21-05-0421	7286224	1278644	11-67	2	305	20,560	3.83	787	20	16,000	3.78	605	9-71		40	819	-.03	25	45
21-05-0428	6482692	1273237	8-65	5	269	22,576	3.45	778	14	16,832	3.60	606	4-72	B	44	876	-.06	23	45
21-05-0428	6986080	1463454	5-66	4	261	21,408	3.65	781	13	16,880	3.55	599	4-72	B	30	726	.02	29	46
21-05-0434	6209322	1085978	12-64	4	287	19,000	3.75	712	7	16,125	3.54	571	1-71	B	44	787	.01	30	48
21-05-0441	6653924	1347940	3-66	4	305	19,787	4.42	874	15	15,832	3.73	591	11-71		44	966	.11	52	72
21-05-0441	7093801	1347940	5-68	2	305	17,670	4.11	726	13	15,805	3.72	588	12-71		40	691	.05	32	47
21-05-0701	6412826	1278644	5-65	4	305	20,927	3.50	732	12	16,837	3.53	595	7-71		44	856	-.05	23	45
21-05-0832	5957880	1259069	8-63	5	304	27,302	3.18	869	20	21,102	3.52	742	4-71		44	1,016	-.10	21	48
21-05-0832	5957882	1412792	9-63	6	300	23,873	3.65	872	13	20,967	3.47	728	6-71		36	706	.05	33	48
21-05-0832	5957885	1412792	11-63	6	305	25,397	3.75	952	17	21,227	3.49	740	3-71		36	897	.07	43	62
21-05-0832	5957901	1239886	12-63	5	305	26,558	3.23	859	15	21,676	3.55	770	4-71		44	842	-.04	24	45
21-05-0832	6482149	1278644	11-65	5	301	25,590	3.18	813	21	21,240	3.48	740	12-71		44	966	-.12	17	43
21-05-0832	6482150	1278644	1-66	4	303	27,042	3.18	859	18	21,950	3.50	768	1-72		44	1,043	-.12	19	47
21-05-0832	7221123	1377691	12-67	2	305	27,020	3.19	861	19	21,300	3.51	747	12-71		40	890	-.07	21	44
21-05-0878	5958574	1239886	9-63	5	305	17,958	3.86	694	32	13,946	3.65	509	10-71		44	630	.07	33	46
21-05-0878	7054647	1488604	9-67	2	305	22,115	3.52	779	19	14,675	3.62	531	4-72		36	1,139	-.01	39	66
21-05-0878	7054656	1377691	3-68	2	305	20,235	3.56	720	35	14,630	3.59	525	2-72		40	811	-.01	27	47
21-05-0878	7054657	1377691	5-68	1	305	22,050	3.28	723	23	13,680	3.65	499	2-71		36	873	-.05	24	46
21-05-0878	7360480	1511167	5-69	1	305	21,100	3.86	814	28	15,950	3.58	571	2-72		32	746	.01	28	46
21-06-0011	7353234	1427381	11-68	1	305	19,420	3.61	701	20	16,390	3.39	556	2-71		36	1,008	.06	45	67
21-06-0025	7444341	1427381	8-69	1	305	15,280	3.44	525	28	13,020	3.46	450	12-71		36	925	.04	39	60
21-06-0029	7288853	1427381	9-68	2	302	18,435	3.63	670	27	16,500	3.47	573	2-72		40	939	.05	42	63
21-06-0029	7288854	1427381	11-68	1	305	18,660	3.27	611	29	15,480	3.52	545	9-71		36	1,012	.02	39	63
21-06-0031	6682992	1261857	11-66	4	305	19,780	3.68	728	27	18,043	3.65	659	3-72		44	642	.06	32	46
21-06-0031	6895812	1360676	8-67	3	305	20,200	3.76	760	45	18,187	3.55	646	10-71		41	683	.04	31	46
21-06-0031	6950257	1360676	8-67	3	303	21,207	3.90	827	41	18,360	3.57	655	11-71		41	783	.06	38	55
21-06-0031	7436197	1447414	11-69	1	298	21,540	3.70	796	44	18,960	3.59	681	11-71		35	839	-.01	28	48
21-06-0043	6431251	1450539	12-65	4	305	22,030	3.55	781	29	17,083	3.61	616	11-71		30	793	-.01	27	46
21-06-0049	7380000	1387978	3-69	1	299	18,400	3.54	651	29	13,750	3.59	494	9-71		36	771	-.01	26	45
21-06-0053	5843206	1245520	2-63	5	303	21,232	3.26	693	24	14,938	3.61	539	5-71		44	1,050	-.09	24	51
21-06-0054	6172918	1085978	7-64	5	305	19,352	3.51	679	16	16,498	3.43	566	9-71		44	801	-.01	27	46
21-06-0054	6353188	1278644	2-65	3	305	20,236	4.32	874	15	17,373	3.44	597	11-70		42	692	.09	38	52
21-06-0054	6751223	1348259	7-66	3	305	21,667	3.34	723	13	16,260	3.56	579	5-71		42	900	-.03	28	5[illegible]
21-06-0060	6778016	1278644	2-67	3	300	20,020	3.29	658	12	13,863	3.45	478	11-71		42	1,030	-.08	25	52
21-06-0061	5405168	1038509	9-61	8	294	21,336	3.58	764	72	16,118	3.52	567	11-71		44	908	-.02	29	51
21-06-0061	6263203	1278644	7-64	6	298	21,106	3.38	713	82	16,255	3.46	563	9-71		44	966	-.06	25	5[illegible]
21-06-0061	6277265	1237057	3-65	5	264	21,456	3.20	686	59	16,592	3.51	582	3-72	B	44	916	-.09	19	43
21-06-0061	6674515	1348259	11-66	3	298	22,913	3.38	775	85	16,153	3.42	553	7-71		42	1,054	-.01	36	61
21-06-0061	7002757	1437152	7-66	4	305	23,090	3.17	732	69	16,445	3.47	571	1-72		37	960	-.10	19	45
21-06-0061	7094480	1347940	5-68	2	283	24,445	3.54	865	77	16,530	3.42	565	10-71		40	1,312	.00	48	79
21-06-0061	7143582	1477381	8-68	1	305	21,690	3.82	829	59	17,210	3.47	598	11-71		35	695	.07	35	50
21-06-0061	7174548	1458744	8-68	1	183	26,600	3.46	920	42	17,570	3.53	621	2-72	B	36	1,175	-.02	39	68
21-06-0061	7265745	1347940	9-68	2	304	24,085	3.27	788	61	16,755	3.48	583	11-71		40	1,255	-.04	39	70
21-06-0061	7349388	1427381	5-69	1	305	20,610	3.84	791	98	16,300	3.42	557	7-71		36	1,103	.08	52	76
21-06-0070	7117570	1458744	7-68	2	296	21,140	3.75	793	33	17,435	3.49	608	12-71		40	857	.03	35	55
21-06-0070	7249949	1458744	12-68	1	305	22,580	3.26	737	26	16,570	3.45	571	8-71		36	943	-.03	29	52
21-06-0100	6440181	1348259	1-66	4	300	19,330	3.62	700	22	16,323	3.49	569	9-71		44	645	.02	27	42
21-06-0113	6254453	1085978	12-64	1	305	21,410	3.17	679	31	16,480	3.43	565	11-71		36	846	-.06	22	44
21-06-0114	7016683	1330987	4-66	4	301	20,128	3.41	686	28	16,638	3.50	582	2-72		44	741	.01	28	45
21-06-0114	7079070	1467630	6-66	3	305	20,296	3.87	786	30	16,500	3.47	573	2-72		32	712	.06	35	50
21-06-0114	7117850	1348259	9-66	3	305	20,877	3.35	700	39	15,983	3.46	553	11-71		42	838	-.01	28	48
21-06-0114	7310795	1458744	9-68	1	305	18,910	3.85	728	44	15,560	3.37	524	7-71		36	737	.04	32	49
21-06-0231	6387734	1417208	8-65	5	303	23,486	3.31	778	13	17,792	3.55	632	2-72		44	1,138	-.04	35	63
21-06-0231	6598135	1308101	7-66	4	299	18,852	3.38	638	21	16,132	3.58	578	10-71		44	903	-.05	25	48
21-06-0231	7311945	1427381	1-69	1	305	24,140	3.19	770	12	18,450	3.71	685	9-71		36	1,221	-.02	41	71
21-06-0240	6571288	1308101	3-66	4	300	17,570	3.10	545	22	13,987	3.55	497	8-71		44	983	-.09	22	48
21-06-0256	6970099	1330987	7-67	3	299	20,960	3.56	747	12	16,867	3.56	600	6-71		42	788	.03	33	51
21-06-0256	7484635	1458744	1-70	1	305	22,250	3.58	797	14	18,440	3.54	653	2-72		36	793	.00	28	47
21-06-0291	6422407	1273756	10-65	4	305	22,588	3.38	763	29	17,490	3.34	584	3-71		44	967	.02	38	60
21-06-0291	6921051	1462176	4-67	3	296	23,556	3.17	747	19	17,096	3.26	558	8-71		35	1,032	-.07	26	53
21-06-0291	6986569	1462176	10-67	2	305	23,360	3.28	767	22	17,215	3.32	571	7-71		32	902	-.06	24	47
21-06-0313	4987940	1085978	12-59	7	305	17,177	3.23	555	39	13,983	3.38	472	4-71		44	812	-.05	22	43
21-06-0327	6231710	1278644	12-64	5	301	19,064	3.41	651	32	14,956	3.50	523	3-72		44	854	-.06	21	43
21-06-0327	6354106	1330987	8-65	4	299	17,773	3.88	689	76	15,348	3.45	530	9-71		44	593	.09	35	47
21-06-0348	5726570	1239886	5-62	3	297	18,600	3.80	707	35	14,870	3.45	513	9-71		42	557	.08	32	43
21-06-0348	7078356	1348259	8-66	3	305	19,803	3.49	691	57	13,967	3.46	483	10-71		42	923	.00	34	56
21-06-0348	7340564	1320310	5-69	2	305	17,925	3.80	682	17	14,425	3.58	517	3-72		40	913	-.01	32	54
21-06-0348	7445027	1308101	6-69	1	305	18,350	3.86	709	59	15,600	3.53	551	11-71		36	829	.01	31	51
21-06-0349	7104065	1458744	5-68	2	301	20,315	3.54	720	17	15,810	3.57	565	8-71		40	921	-.01	31	53
21-06-0366	7150555	1404931	4-68	2	305	23,960	3.02	724	13	16,950	3.41	578	12-71		40	1,041	-.13	18	46
21-06-0366	7177726	1222994	9-68	2	303	21,470	3.42	735	15	17,060	3.39	578	11-71		40	748	.00	27	45
21-06-0387	7001415	1278644	4-66	3	273	20,293	3.41	691	19	16,303	3.32	542	8-70	B	42	809	-.05	22	43
21-06-0394	6059509	1085978	1-64	6	302	19,900	3.54	705	11	15,533	3.62	563	7-71		44	983	-.03	31	55
21-06-0394	7445574	1427381	8-69	1	305	18,160	3.43	622	37	15,370	3.50	538	9-71		36	982	.03	40	63

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVO MO-YR	T C O	REPT (%)	.......C O W MILK (LB)	I N D E X....... FAT (%)	FAT (LB)	DOL-LARS
21-06-0420	5980294	975138	12-63	5	305	22,640	3.17	718	14	16,614	3.52	584	6-71		44	972	-.10	19	$ 45
21-06-0420	7424374	1427381	10-69	1	305	22,060	2.99	659	27	15,840	3.52	558	10-71		36	1,241	-.02	42	72
21-06-0423	6515550	1216957	10-65	4	299	23,075	3.75	866	6	16,135	3.50	564	1-72		44	873	.07	42	61
21-06-0449	7469799	1526102	6-69	1	305	18,350	3.03	556	18	11,960	3.24	388	10-71		31	675	.05	32	47
21-06-0494	7373284	1427381	12-68	1	305	21,870	3.65	799	28	17,320	3.27	567	7-71		36	1,128	.07	51	76
21-06-0494	7373285	1427381	5-69	1	253	20,820	3.67	764	37	17,590	3.26	574	9-71	B	36	1,032	.07	48	71
21-06-0497	5995377	1239886	7-63	6	305	20,425	3.43	700	18	15,890	3.56	565	10-71		44	723	.01	27	44
21-06-0497	6501530	1348259	9-65	5	305	21,234	3.21	681	20	16,858	3.52	594	2-72		44	844	-.06	22	44
21-06-0497	7421721	1273756	12-67	1	305	24,870	2.87	715	6	18,810	3.47	652	5-71		36	821	-.05	22	43
21-06-0505	5132784	1085978	4-60	9	305	17,173	4.11	705	31	15,467	3.61	559	4-71		44	639	.05	31	45
21-06-0505	6140832	1085978	10-64	5	290	18,114	3.48	631	19	15,020	3.50	526	4-71		44	813	-.02	26	46
21-06-0505	6937734	1458744	12-67	2	297	18,170	3.89	706	21	15,445	3.54	546	4-71		40	737	.04	32	49
21-06-0505	6937735	1222994	2-67	3	305	20,217	3.37	682	33	15,573	3.51	547	11-71		42	812	-.02	26	46
21-06-0505	7410030	1458744	9-68	1	272	19,530	3.25	634	33	14,700	3.52	517	8-71		36	841	-.03	25	46
21-06-0510	7420971	1427381	8-68	2	305	20,925	3.62	757	18	17,455	3.63	634	1-72		40	1,105	.03	45	70
21-06-0510	7420972	1427381	11-68	1	305	22,070	3.59	793	14	17,220	3.59	618	9-71		36	1,150	.04	48	74
21-06-0518	5323168	1199324	12-60	1	305	21,840	3.61	789	8	14,730	3.70	545	12-71		36	1,024	-.02	34	59
21-06-0535	6930124	1458744	12-67	2	305	16,785	3.25	546	26	12,790	3.52	450	8-71		40	839	-.04	24	45
21-06-0565	5365100	1085978	7-59	8	305	17,368	3.58	621	12	14,514	3.58	520	5-71		44	775	-.02	25	44
21-06-0565	6276482	1239886	9-64	5	305	23,666	3.70	875	26	17,142	3.59	615	4-72		44	995	.05	44	66
21-06-0565	6685104	1330987	8-66	3	305	21,257	3.45	733	23	16,057	3.58	575	4-71		42	906	.01	34	55
21-06-0594	6585637	1085978	2-65	4	304	16,950	3.62	613	11	13,163	3.72	490	1-72		44	863	-.03	27	48
21-06-0594	6748533	1458744	1-67	3	292	17,786	3.14	558	10	13,726	3.64	499	11-71		42	894	-.07	21	44
21-06-0600	6774600	1348259	4-66	5	305	20,708	3.41	706	17	16,812	3.59	603	2-72		44	782	-.03	24	43
21-06-0600	7443505	1458744	6-68	2	305	19,685	3.87	761	16	17,740	3.69	655	3-72		40	681	.02	27	43
21-06-0644	7111982	1495783	7-68	2	305	21,340	3.82	816	16	15,230	3.53	538	3-72		25	784	.05	36	53
21-06-0644	7522833	1417208	8-69	1	302	18,810	3.40	640	26	14,270	3.55	506	10-71		36	748	-.01	26	44
21-06-0644	7527938	1417208	9-69	1	287	21,080	2.91	614	24	14,590	3.54	516	11-71		36	896	-.05	24	47
21-06-0644	7527940	1417208	10-69	1	305	18,930	3.99	756	26	14,270	3.55	506	10-71		36	757	.05	35	52
21-06-0653	6144853	1085978	4-64	3	302	19,917	3.33	664	27	16,153	3.53	570	8-71		42	873	-.05	24	46
21-06-0653	7010025	1282596	3-68	2	305	22,680	3.66	830	24	16,105	3.52	567	7-71		40	793	.00	28	47
21-06-0653	7413718	1273756	10-69	1	305	20,410	3.64	742	29	16,330	3.47	566	11-71		36	655	.04	30	44
21-06-0659	7051572	1377691	4-68	2	305	20,295	3.40	690	13	14,450	3.54	511	4-71		40	833	-.03	25	46
21-06-0688	6160068	1330987	11-64	4	259	19,085	3.43	655	45	15,600	3.48	543	4-71		44	727	.02	29	46
21-06-0704	6336050	1278644	6-65	4	299	22,237	3.29	732	10	17,022	3.52	599	1-71		44	997	-.09	22	48
21-06-0704	7343262	1427381	4-69	1	305	18,530	3.25	602	5	15,920	3.71	590	6-71		36	973	.00	35	58
21-06-0731	7468441	1427615	8-69	1	305	22,550	2.78	627	52	14,120	3.37	476	9-71		36	1,115	-.16	15	46
21-06-0747	6198110	1221835	10-64	3	305	20,797	3.70	769	11	15,373	3.55	546	5-71		42	875	.01	33	54
21-06-0747	6588625	1348259	3-66	2	305	20,720	3.27	678	11	14,260	3.63	517	5-71		40	920	-.04	27	50
21-06-0846	5447283	1085978	7-61	7	298	19,340	3.54	685	26	15,069	3.59	541	3-72		44	965	-.02	31	55
21-06-0846	6399195	1223243	5-65	4	305	19,143	3.87	741	37	15,403	3.54	545	5-71		43	726	.05	33	49
21-06-0846	6664855	1348259	7-66	4	305	19,573	3.40	666	32	14,910	3.56	531	11-71		44	833	-.02	27	47
21-06-0846	6664860	1348259	11-66	3	305	19,860	3.41	677	24	15,640	3.47	543	4-71		42	756	-.01	26	44
21-06-0846	6664866	1221835	8-66	4	305	20,893	3.22	673	40	14,940	3.56	532	11-71		44	976	-.07	24	49
21-06-0846	6989513	1348259	10-67	2	305	18,550	3.56	660	35	14,195	3.56	505	7-71		40	706	.00	26	43
21-06-0846	6989520	1282596	12-67	3	305	20,580	3.70	762	35	15,013	3.56	534	3-72		42	753	.00	27	45
21-06-0846	6989523	1347940	1-68	2	305	19,870	3.46	688	34	15,365	3.53	543	6-71		40	954	-.02	32	55
21-06-0846	7193798	1404202	11-68	2	305	19,070	3.53	674	39	14,670	3.54	519	11-71		40	806	-.05	21	42
21-06-0846	7458177	1347940	10-69	1	293	16,620	3.56	592	41	14,120	3.53	499	11-71		36	702	.00	26	43
21-06-0893	6978248	1458744	6-67	2	305	15,620	3.78	590	45	13,190	3.50	461	8-71		40	684	.02	28	44
21-07-0007	6205698	1438006	11-64	4	300	16,665	3.49	581	36	12,755	3.49	445	5-71		41	792	.02	32	50
21-07-0014	6051975	1492073	3-62	4	302	25,103	3.17	797	37	18,088	3.52	636	5-71		43	989	-.09	22	48
21-07-0014	6860285	1472364	1-67	3	300	24,286	2.90	704	32	17,643	3.41	601	10-71		32	1,050	-.14	16	45
21-07-0033	5516227	1189870	12-61	1	305	22,980	3.75	862	8	15,330	3.36	515	8-71		36	802	.04	35	53
21-07-0080	6888328	1479593	6-67	3	305	21,220	3.24	687	7	16,076	3.34	537	3-72		39	951	-.05	27	51
21-07-0080	7323193	010275932	9-66	2	305	22,310	3.46	773	8	16,200	3.38	548	3-71		40	762	.02	30	48
21-07-0363	7079362	1330987	3-67	3	302	20,133	3.22	649	6	15,920	3.59	572	10-71		42	791	-.02	25	44
21-07-0573	6529031	1406271	2-66	3	305	18,807	3.43	646	21	14,280	3.55	507	11-71		42	890	.01	34	55
21-07-0573	6967340	1406271	1-67	3	305	16,550	3.87	641	21	14,280	3.60	514	2-72		42	631	.07	33	46
21-07-0573	6967342	1406271	1-67	2	303	17,300	4.03	697	8	15,440	3.65	564	4-71		40	583	.08	33	45
21-07-0699	6027441	1278644	1-64	5	305	19,052	3.60	686	22	15,500	3.55	551	10-71		44	789	-.04	23	43
21-08-0007	5822005	1403163	10-62	6	305	20,000	3.28	655	26	15,203	3.29	500	1-72		32	773	-.02	25	44
21-08-0019	7395693	1273756	10-67	2	305	20,460	3.45	706	28	15,330	3.77	578	3-72		40	847	-.01	29	49
21-08-0020	6984888	1377691	11-67	2	305	22,430	3.49	782	30	15,575	3.57	556	10-71		40	947	-.03	30	53
21-08-0027	6498038	1417208	10-65	4	301	16,835	4.09	688	15	14,998	3.64	546	7-71		44	599	.08	33	45
21-08-0027	6704427	1458744	3-66	4	304	17,415	3.81	663	11	15,085	3.58	540	1-72		44	721	.03	30	46
21-08-0066	6594528	1278644	5-66	4	305	22,575	2.81	635	30	16,522	3.43	567	10-71		44	1,095	-.16	14	45
21-08-0077	7025279	1347940	8-67	2	305	18,880	3.23	609	13	15,650	3.57	558	10-71		40	828	-.05	23	44
21-08-0077	7025281	1347940	8-67	2	305	18,890	3.94	744	11	16,580	3.81	631	2-71		40	744	.02	30	47
21-08-0077	7179436	1347940	11-67	2	305	20,155	3.37	680	11	16,580	3.81	631	2-71		40	872	-.06	23	45
21-08-0077	7524683	1347940	9-68	2	305	18,800	3.75	705	12	15,600	3.60	561	9-71		40	824	.02	32	51
21-08-0097	7268390	1377691	11-68	1	305	20,440	3.59	733	17	14,030	3.59	503	9-71		36	730	-.02	24	42
21-08-0100	6337134	1278644	10-64	5	303	19,852	3.73	740	26	16,232	3.60	585	1-71		44	807	-.02	26	46
21-08-0100	7234968	1278644	9-68	2	305	23,420	3.78	885	29	17,750	3.64	646	9-71		40	949	-.02	31	54
21-08-0123	6834941	1278644	12-66	2	297	21,440	3.89	835	19	15,100	3.58	540	11-71		40	990	.00	35	59
21-08-0152	6073537	1416771	1-64	6	303	22,061	3.43	757	36	15,960	3.52	562	12-71		40	958	.04	40	62
21-08-0152	6771635	1312008	1-67	3	294	20,180	3.81	768	33	15,843	3.55	563	12-71		42	609	.09	35	47
21-08-0152	6900424	1476679	11-66	3	305	20,540	3.87	795	24	17,683	3.65	645	2-72		38	704	.02	28	44
21-08-0152	7270490	1416771	9-68	1	305	22,900	3.59	821	29	16,540	3.59	593	1-72		30	638	.07	34	47
21-08-0154	6499539	1237057	10-65	4	302	21,488	2.99	642	22	16,048	3.23	518	9-71		44	956	-.09	20	45
21-08-0154	6499541	1237057	12-65	4	304	20,395	3.31	676	43	15,870	3.25	516	1-72		44	840	-.04	24	45
21-08-0154	6613219	1347940	8-66	3	305	17,876	3.67	656	10	15,710	3.44	541	6-71		42	735	.02	30	47
21-08-0173	5960378	1085978	5-63	6	305	19,985	3.42	683	30	16,352	3.50	573	1-71		44	899	-.04	27	49
21-08-0173	6980439	1273756	10-67	2	305	19,505	3.59	700	45	16,290	3.53	575	1-71		40	662	.03	29	44
21-08-0185	6349246	1278644	8-64	4	305	23,785	3.51	834	45	18,282	3.56	651	10-70		44	1,048	-.06	29	56

TABLE 3. HOLSTEIN USDA-OHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION.. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C O	REPT (%)	......C O W I N D E X...... MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
21-08-0222	7242513	1427381	12-68	1	305	20,680	3.59	742	15	16,450	3.69	607	1-71		36	1,098	.03	45	$ 70
21-08-0222	7573105	1427381	1-70	1	305	21,450	3.64	781	11	16,030	3.67	589	12-71		36	1,183	.04	49	76
21-08-0230	6261653	1085978	7-64	6	302	22,948	3.33	764	14	18,938	3.55	673	3-72		44	981	-.06	26	51
21-08-0247	6510159	1312008	3-66	4	303	19,643	3.69	724	24	15,550	3.50	544	12-71		44	612	.07	33	46
21-08-0273	7244451	1458744	11-68	2	303	18,740	3.28	615	17	15,115	3.55	537	1-72		40	825	-.04	23	44
21-08-0330	7051591	1272013	3-68	2	305	19,925	4.20	837	34	16,020	3.73	597	11-71		40	661	.03	29	44
21-08-0347	6457040	1312008	4-65	5	305	19,100	3.84	733	47	15,486	3.67	568	10-71		44	571	.08	32	44
21-08-0347	7151593	1348259	9-68	2	305	21,350	3.75	800	39	17,270	3.63	627	2-72		40	709	.03	30	46
21-08-0404	6705970	1312008	11-66	3	305	20,480	3.59	736	28	16,323	3.46	564	8-71		42	594	.06	31	43
21-08-0404	6885941	1348259	9-67	3	305	19,940	3.20	639	28	15,427	3.33	513	1-72		42	788	-.02	25	44
21-08-0405	7505490	1377691	10-69	1	305	25,140	3.11	781	67	17,020	3.73	635	11-71		36	879	-.08	19	42
21-08-0408	6401996	1389471	9-65	5	298	20,160	3.52	710	24	15,300	3.58	548	11-71		44	786	-.03	24	43
21-08-0419	5256476	1085978	8-60	10	301	20,403	3.43	700	15	17,192	3.57	614	2-72		44	856	-.05	24	46
21-08-0419	7003727	1261857	4-67	3	303	20,297	3.63	736	19	18,010	3.50	630	8-71		42	696	.07	36	51
21-08-0419	7650630	1261857	10-68	1	294	16,730	4.25	711	5	14,920	3.65	545	7-71		36	570	.11	37	48
21-08-0434	6346785	1239886	4-65	4	299	19,743	3.88	766	16	14,755	3.59	529	3-71		44	740	.07	38	54
21-08-0434	6346786	1085978	3-65	5	299	17,802	3.16	562	16	14,146	3.50	495	11-71		44	874	-.08	20	43
21-08-0452	6339450	1278644	4-65	4	298	19,625	3.54	695	40	15,067	3.57	538	10-70	H	44	892	-.05	25	48
21-08-0452	6591639	1464428	6-66	3	293	17,860	4.00	714	38	15,633	3.61	565	1-71		39	729	-.02	24	42
21-08-0484	6192027	1312008	8-64	5	305	22,182	3.32	737	33	16,438	3.42	563	4-71		44	858	.01	33	53
21-08-0489	6811011	1222994	1-66	4	293	19,945	3.43	684	33	15,273	3.57	546	11-71		44	846	-.02	28	49
21-08-0489	7001371	1268294	4-66	4	305	19,345	3.45	667	31	14,705	3.56	523	3-72		44	801	-.05	22	42
21-08-0489	7602537	1427381	2-69	1	305	20,420	3.75	766	29	17,220	3.58	616	9-71		36	1,027	.06	46	69
21-08-0489	8015302	1427381	2-70	1	305	17,710	3.52	624	16	15,300	3.59	550	4-72		36	954	.04	40	62
21-08-0492	7334754	1406271	1-68	2	304	18,385	3.95	726	32	15,675	3.60	564	8-71		40	672	.08	36	50
21-08-0539	7332278	1281479	3-69	1	79	19,420	4.61	895	8	12,460	3.87	482	11-71	B	35	544	.14	41	50
21-08-0581	6009080	1085978	8-63	6	267	17,413	3.72	648	47	15,020	3.53	530	2-71	B	44	722	.01	27	44
21-08-0587	6240965	1437327	1-65	5	299	20,026	3.68	736	34	14,572	3.54	516	3-72		36	807	.03	33	52
21-08-0587	7045180	1348259	3-68	2	305	21,290	3.49	744	27	14,620	3.43	501	6-71		40	945	.01	35	57
21-08-0587	7280534	1427381	10-68	1	305	18,460	3.47	640	41	15,220	3.50	532	9-71		36	1,015	.04	42	65
21-08-0663	5781261	010258898	2-60	8	300	22,871	3.50	800	24	13,761	3.68	506	4-71		32	1,434	-.03	47	82
21-08-0663	6816127	1458744	1-67	3	294	17,843	3.79	677	40	14,116	3.48	491	12-71		42	860	.03	36	56
21-08-0691	6933674	1312008	9-67	3	299	19,320	3.61	698	15	14,933	3.55	530	1-72		42	604	.05	30	43
21-08-0691	7319755	1404931	5-69	1	305	24,350	3.10	755	12	14,410	3.51	506	2-72		36	1,063	-.11	21	49
21-08-0697	7323552	1348259	1-69	1	305	21,460	3.81	817	17	16,220	3.63	588	10-71		36	687	.03	29	45
21-08-0701	6067999	1085978	9-62	7	305	24,257	2.91	707	13	17,214	3.43	591	1-72		44	1,350	-.13	28	64
21-08-0701	6307676	1085978	1-65	5	304	23,220	2.99	694	22	18,020	3.34	601	10-71		44	1,123	-.10	25	55
21-08-0701	7400151	1427381	10-69	1	274	20,850	3.27	681	30	17,520	3.41	598	12-71		36	1,039	.02	41	65
21-08-0705	5477794	1285401	2-61	7	300	21,086	3.34	705	22	15,533	3.54	550	9-71		38	948	-.07	24	48
21-08-0705	6856449	1221835	9-65	5	288	20,734	3.25	673	31	16,200	3.54	573	8-71		44	839	-.07	20	42
21-08-0705	7274536	1348259	9-68	2	302	22,010	3.66	805	29	16,880	3.62	611	12-71		40	812	.01	31	50
21-08-0731	6258730	1085978	9-64	5	305	18,626	3.34	623	15	15,252	3.34	510	11-71		44	852	-.03	26	47
21-08-0766	6338243	1085978	8-64	6	300	21,835	3.05	666	51	16,705	3.42	571	2-72		44	1,097	-.09	25	54
21-08-0766	6425002	1417208	10-65	5	304	22,090	3.24	715	40	17,092	3.41	582	2-72		44	1,039	-.04	32	58
21-08-0766	6425004	1417208	1-66	4	303	21,243	3.25	691	55	16,315	3.46	565	11-71		44	997	-.03	31	56
21-08-0766	6468892	1435472	8-65	3	305	22,387	3.39	760	34	16,267	3.42	556	2-71		29	899	-.02	30	52
21-08-0766	6961799	1417208	8-67	3	297	21,237	3.46	734	53	16,540	3.43	568	11-71		42	938	.01	35	57
21-08-0766	6997141	1458744	11-67	2	305	20,225	3.34	676	48	16,780	3.44	577	2-71		40	824	-.02	26	46
21-08-0766	6997144	1458744	1-68	3	285	23,230	3.34	776	46	17,440	3.45	602	12-71		42	1,136	-.03	36	64
21-08-0766	7048127	1458744	4-68	2	305	21,795	2.89	629	49	17,540	3.46	607	12-71		40	914	-.10	18	42
21-08-0766	7127614	1458744	8-68	1	285	22,550	3.56	803	70	17,800	3.48	619	9-71		36	858	.00	31	51
21-08-0766	7473867	1427381	9-69	1	305	26,070	3.08	802	68	17,570	3.49	614	9-71		36	1,424	-.01	49	83
21-08-0766	7519759	1427381	10-69	1	305	21,890	3.15	690	68	17,570	3.49	614	9-71		36	1,113	.00	40	67
21-08-0766	7519760	1427381	11-69	1	305	26,060	3.51	915	68	17,570	3.49	614	9-71		36	1,423	.04	57	90
21-08-0767	6205343	1240125	11-64	5	303	20,736	3.50	726	39	16,080	3.58	575	10-71		44	883	-.02	29	51
21-08-0767	6205346	1278644	1-65	4	299	19,957	3.69	736	32	16,005	3.63	581	12-70		44	829	-.03	25	46
21-08-0781	5939219	1199324	2-63	6	305	19,020	3.70	704	22	15,878	3.50	556	6-71		44	855	.01	33	53
21-08-0781	6262971	1085978	6-64	6	270	18,237	3.74	682	22	16,267	3.48	566	3-72	B	44	684	.02	27	43
21-08-0781	7177049	1348259	10-67	3	273	20,497	3.18	652	27	15,597	3.43	535	11-71	B	42	834	-.04	24	45
21-08-0784	7007906	1406271	9-67	2	305	19,935	3.10	617	28	14,365	3.79	544	10-71		40	949	-.05	27	51
21-08-0804	6870220	1308429	9-67	2	225	21,545	3.18	686	28	14,525	3.32	482	11-71	B	40	889	-.08	20	43
21-08-0868	5598265	1409889	2-62	7	303	17,133	3.66	627	46	13,886	3.49	485	7-71		36	765	.01	29	47
21-08-0868	6802510	1070036	8-66	4	305	15,538	3.97	617	45	13,203	3.50	462	3-72		44	485	.10	33	42
21-08-0874	6995520	1440547	11-67	2	305	20,685	3.84	794	9	16,520	3.67	607	1-72		33	546	.08	32	43
21-08-0888	6895290	1348259	2-67	3	305	21,047	3.44	723	27	15,030	3.57	537	2-72		42	956	-.02	32	55
21-08-0889	5949141	1085978	6-63	5	305	17,462	3.41	595	5	14,258	3.48	496	4-71		44	817	-.04	24	44
21-08-0901	7283056	1458744	9-68	2	305	19,125	3.20	612	13	15,140	3.56	539	1-72		40	862	-.05	23	45
21-08-0949	6390745	1348259	9-65	4	302	21,885	3.66	802	26	18,215	3.48	633	10-71		44	751	.04	33	50
21-08-0949	6489472	1348259	12-65	4	294	22,863	3.38	773	28	18,753	3.57	670	2-72		44	812	-.03	25	45
21-09-0004	5902621	1085978	2-63	7	261	20,230	3.47	701	22	16,201	3.62	586	10-71		44	948	-.04	28	52
21-09-0004	6846857	1348259	3-67	2	305	21,565	3.48	750	22	16,800	3.71	623	4-71		40	774	-.02	25	44
21-09-0004	7182587	1350848	8-68	2	305	22,580	3.70	835	31	17,970	3.54	637	12-71		39	766	-.02	24	43
21-09-0025	6491144	1447750	3-66	4	305	22,677	3.43	777	24	18,385	3.60	661	1-72		42	832	-.04	24	45
21-09-0053	5554660	1239886	11-61	3	287	22,117	3.17	701	12	14,613	3.57	521	5-71		42	988	-.04	30	55
21-09-0107	5784483	1278644	3-63	6	265	21,025	3.51	739	13	17,348	3.54	614	10-70	B	44	829	-.05	22	43
21-09-0202	6882902	010260599	10-64	3	283	23,507	3.37	793	20	15,483	3.53	547	3-71		42	1,135	-.08	29	58
21-09-0202	7148628	1477381	7-68	1	305	19,500	3.60	702	12	15,430	3.60	555	12-70		35	650	.03	28	43
21-09-0236	6451424	1463996	4-65	4	305	20,265	3.60	729	9	13,645	3.42	467	1-72		36	858	.01	33	53
21-09-0252	7273170	1348259	3-69	1	305	21,870	3.46	756	16	13,980	3.56	497	9-71		36	868	-.01	30	51
21-09-0274	7540785	1330987	9-69	2	258	19,395	3.57	693	13	16,645	3.39	564	4-72	B	40	601	.05	29	42
21-09-0530	6631956	1452615	7-66	3	305	21,550	3.45	744	23	17,213	3.42	588	8-71		32	775	.00	28	46
21-09-0530	7329735	1419528	1-69	1	299	21,600	3.48	751	15	15,560	3.52	548	6-71		36	722	.02	29	46
21-09-0548	5569179	1085978	8-61	7	302	17,794	3.78	673	24	15,064	3.91	589	2-71		44	766	-.02	24	43
21-09-0548	6696585	1368763	8-66	4	305	21,045	3.96	833	31	15,688	3.97	623	3-72		44	769	-.03	23	42
21-09-0999	5862457	1406649	7-63	7	301	22,272	3.52	785	31	16,410	3.80	623	4-72		36	985	.00	36	59

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C O	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
21-09-0999	6193841	1406649	10-64	4	305	20,850	4.09	853	33	16,455	3.79	623	3-71		35	745	.12	45	$ 59
21-09-0999	6688229	1488608	10-66	3	305	21,106	4.23	893	37	17,426	3.63	632	3-72		34	663	.15	47	59
21-09-0999	6868824	1477670	7-67	2	305	22,625	3.92	888	58	17,640	3.72	657	10-71		25	672	.04	31	46
21-09-0999	7017662	1484575	10-67	2	305	23,480	3.52	827	34	17,335	3.77	653	2-71		29	1,032	-.03	32	58
21-09-0999	7017665	1488608	10-67	3	285	19,080	4.43	846	22	17,306	3.64	630	3-72		34	409	.18	41	46
21-09-0999	7137423	1488608	8-68	2	305	20,365	4.17	850	40	17,880	3.71	664	12-71		31	476	.13	36	44
21-09-0999	7396572	1484575	5-69	1	305	20,540	3.92	805	37	16,120	3.67	591	8-71		23	689	.03	30	45
21-09-0999	7428660	1538938	8-69	1	305	24,150	3.64	879	33	17,630	3.74	660	12-71		24	706	.01	27	44
21-10-0022	5937439	1421299	12-63	6	303	20,975	3.59	753	53	16,322	3.84	626	10-71		34	818	-.03	25	45
21-10-0022	6261713	1239886	1-65	5	305	21,262	3.70	787	33	16,284	3.86	628	9-71		44	785	.02	31	49
21-10-0022	6967622	1488604	11-67	3	290	21,663	3.78	818	53	17,503	3.88	679	12-71		38	870	.00	31	52
21-10-0022	7238353	1408080	8-68	2	305	22,225	3.87	861	48	17,180	3.76	646	10-71		40	868	-.01	30	51
21-10-0022	7238361	1375967	8-68	1	305	29,370	2.99	879	44	18,080	3.83	693	2-71		36	1,136	-.17	14	46
21-10-0022	7238367	1499133	8-68	2	305	19,835	3.64	722	41	16,965	3.90	661	2-72		37	1,024	-.08	25	52
21-10-0024	6436562	1221835	8-65	5	305	19,002	4.30	818	24	16,436	3.93	646	3-72		44	588	.07	31	43
21-10-0024	6936951	1479593	10-67	2	305	23,030	3.53	813	26	16,445	4.04	665	11-71		37	1,041	-.07	26	53
21-10-0024	7370734	1516360	1-69	1	298	18,770	4.10	769	41	15,240	4.04	616	7-71		33	800	.02	32	50
21-10-0041	7343672	1501199	9-68	2	305	20,345	3.47	706	20	15,360	3.62	556	3-72		28	776	-.03	23	42
21-10-0058	8082985	1536450	1-70	1	305	21,200	3.91	829	11	15,550	3.53	549	3-72		27	704	.05	33	48
21-10-0074	6148968	1278644	10-64	6	305	22,905	3.34	764	19	17,851	3.51	627	12-71		44	1,013	-.08	24	50
21-10-0074	7103031	1360676	10-67	2	305	21,285	3.43	730	22	18,680	3.54	662	12-71		39	733	.00	26	44
21-10-0078	7311962	1377691	4-68	1	305	22,100	3.81	841	21	14,810	3.93	582	2-71		36	801	-.01	27	46
21-10-0084	6762402	1348259	11-65	5	290	20,400	3.77	769	39	16,546	3.82	632	12-71		44	773	.01	29	47
21-10-0086	6184396	1393997	7-64	5	301	25,458	3.54	902	31	18,612	3.63	676	6-71		44	1,215	-.01	43	72
21-10-0086	6184407	1440334	11-64	5	305	23,406	3.58	839	27	19,076	3.64	694	3-71		35	841	.00	31	51
21-10-0086	6328934	1440334	2-65	4	305	24,130	3.82	922	36	18,523	3.68	682	3-71		33	991	.05	44	66
21-10-0086	6421271	1440334	8-65	4	305	21,423	3.72	796	23	17,500	3.70	648	7-71		33	731	.02	30	47
21-10-0086	6674721	1393997	11-66	4	303	24,217	3.65	885	38	19,552	3.56	696	1-72		43	916	.03	38	59
21-10-0086	7436883	1393997	2-69	2	305	23,875	3.28	782	58	19,465	3.46	674	12-71		40	788	-.02	25	44
21-10-0086	7436885	1393997	11-69	1	305	24,510	3.62	888	56	19,470	3.38	659	11-71		35	724	.04	32	48
21-10-0086	7441028	1465602	1-67	3	300	23,193	3.68	853	40	17,733	3.68	653	7-71		29	826	.01	31	50
21-10-0139	5953596	1239886	12-63	5	305	21,698	3.42	741	19	16,232	3.59	582	12-71		44	847	.00	30	50
21-10-0139	6734580	1348259	2-66	3	305	21,907	3.47	760	15	17,200	3.59	618	11-71		42	830	-.01	28	48
21-10-0139	6766916	1476679	2-67	2	305	22,185	3.60	799	22	16,765	3.67	615	1-71		36	935	-.03	29	52
21-10-0144	6274048	1085978	9-64	5	287	19,928	3.81	759	17	17,354	3.75	651	4-71		44	775	-.01	27	46
21-10-0144	6736076	1312008	10-66	3	296	20,690	4.02	832	19	17,607	3.69	650	3-72		42	485	.10	33	42
21-10-0144	6994541	1312008	12-67	3	301	25,060	3.79	950	20	18,323	3.74	686	1-72		42	914	.07	43	63
21-10-0144	7233218	1349319	10-68	2	305	25,505	3.40	867	34	17,845	3.70	660	11-71		40	940	-.06	24	48
21-10-0164	7204874	1290716	1-68	2	305	20,025	3.82	765	17	15,640	3.64	570	11-71		40	458	.12	34	42
21-10-0189	6279591	1085978	10-63	5	297	18,146	3.77	685	25	15,810	3.61	571	9-71		44	725	.01	27	44
21-10-0201	6573712	010281791	6-66	4	303	22,050	3.77	831	21	17,683	3.71	656	3-72		30	714	.02	29	45
21-10-0201	6676901	1278644	9-66	3	305	21,593	3.74	807	28	17,840	3.71	662	2-72		42	800	-.04	23	43
21-10-0201	6794260	1348259	2-67	3	305	21,307	3.67	781	19	18,000	3.68	663	3-72		42	679	.01	26	42
21-10-0203	6147607	1393997	10-64	5	302	20,176	3.75	757	25	17,152	3.68	631	1-71		44	697	.03	30	46
21-10-0216	6509066	1393997	5-65	4	293	20,145	4.45	896	28	17,910	3.72	667	10-71		43	593	.14	42	52
21-10-0216	7396635	1504551	10-67	2	292	22,620	3.76	851	10	17,355	3.68	639	4-71		31	860	.03	36	56
21-10-0216	7493999	1504551	3-68	2	305	22,300	3.66	817	14	17,805	3.75	667	7-71		31	776	.01	29	47
21-10-0221	4668482	1235160	2-56	6	305	22,135	3.57	790	44	17,692	3.58	634	4-72		34	795	.00	28	47
21-10-0221	5923874	1199324	8-63	6	304	18,855	4.03	760	51	16,827	3.66	616	5-71		44	723	.05	34	50
21-10-0221	6003436	1199324	11-63	6	305	19,453	3.68	715	43	17,293	3.62	626	8-71		44	746	.00	27	45
21-10-0221	6497322	1342755	10-65	4	305	20,955	3.75	785	39	17,480	3.60	630	4-71		35	580	.07	31	43
21-10-0221	7127860	1261857	10-66	4	303	20,688	3.79	784	47	18,510	3.63	672	11-71		44	702	.08	38	52
21-10-0221	7174585	1417208	1-67	3	305	21,997	3.65	802	45	18,573	3.59	666	2-72		42	815	.02	32	51
21-10-0221	7348265	1487509	3-68	2	294	23,910	3.41	815	34	17,865	3.63	649	8-71		29	854	-.05	23	45
21-10-0221	7579205	1530391	8-68	2	305	24,990	3.55	887	40	17,970	3.60	647	2-72		28	1,037	-.02	35	60
21-10-0221	7665622	1308570	3-69	1	305	22,680	3.81	863	39	18,350	3.57	655	2-72		29	630	.04	28	42
21-10-0228	5696717	1245520	11-62	7	303	21,426	3.30	707	22	15,403	3.54	545	6-71		44	1,021	-.08	25	51
21-10-0230	7433908	1348259	2-68	2	288	21,040	3.50	736	43	16,895	3.51	593	8-71		40	712	.00	26	43
21-10-0230	7433910	1348259	8-68	2	301	22,375	3.63	812	36	18,010	3.51	632	2-72		40	746	.02	30	47
21-10-0230	7433912	1348259	9-68	2	300	24,350	3.44	838	54	18,105	3.52	638	12-71		40	937	-.01	32	55
21-10-0245	5707578	1085978	11-62	6	302	20,103	3.49	701	25	15,473	3.66	567	2-72		44	1,016	-.04	30	55
21-10-0245	7265617	1348259	11-68	2	305	21,790	3.39	739	33	16,170	3.67	593	1-72		40	854	-.03	26	47
21-10-0263	7474195	1427381	8-69	1	305	15,410	3.60	555	26	13,430	3.57	480	9-71		36	908	.04	39	59
21-10-0271	5957366	1239886	1-63	5	267	19,442	4.04	785	14	15,884	3.67	583	1-71	B	44	596	.10	36	48
21-10-0278	7241444	1516922	9-68	1	305	21,960	3.89	854	15	15,920	3.76	599	6-71		24	732	.03	31	48
21-10-0279	6250803	1273756	10-64	5	303	18,424	3.80	701	13	15,902	3.63	578	5-71		44	640	.05	31	45
21-10-0291	6814454	1404202	4-67	3	305	20,053	3.47	696	12	15,960	3.51	560	10-71		42	833	-.07	20	42
21-10-0304	6662828	1393997	11-66	4	262	22,755	3.41	775	18	18,672	3.60	672	12-71	B	43	832	-.02	27	47
21-10-0304	7562611	1427381	9-69	1	305	19,950	3.50	699	27	17,980	3.70	666	10-71		36	941	.02	37	59
21-10-0305	7573101	1406271	8-68	1	305	16,760	3.59	601	16	13,030	3.71	484	7-71		36	676	.03	29	44
21-10-0329	6167905	1231982	3-64	5	300	22,188	3.66	813	32	14,836	3.69	547	11-71		44	1,069	.00	39	64
21-10-0329	6381650	1273756	10-65	5	300	18,626	3.69	688	22	15,492	3.61	559	4-72		44	713	.04	32	48
21-10-0329	6698408	1308429	7-66	4	299	21,668	3.60	779	37	15,360	3.72	572	10-71		44	957	-.06	26	50
21-10-0471	5595793	1085978	1-62	8	301	18,954	3.83	726	29	16,844	3.79	639	11-71		44	709	.00	25	42
21-10-0471	5665645	1272013	7-62	7	305	23,606	3.38	799	35	17,519	3.81	668	7-71		44	1,056	-.10	22	50
21-10-0471	6732816	1348259	2-67	3	305	21,050	3.74	788	22	17,483	3.79	662	10-71		42	702	.00	26	43
21-10-0471	6880467	1348259	10-67	2	305	22,885	4.03	922	29	18,870	3.78	713	3-71		40	719	.05	34	50
21-10-0594	5731695	1085978	2-63	4	305	20,243	3.24	655	21	14,623	3.55	519	1-71		44	1,108	-.07	29	57
21-10-0681	6224236	1440398	12-64	5	304	21,780	3.71	809	25	15,428	3.71	573	10-71		36	1,012	.04	42	65
21-10-0681	7017805	1458744	3-68	2	197	21,850	3.67	802	32	17,620	3.80	669	1-72	B	40	912	-.02	30	52
21-10-0721	5913621	1085978	8-63	5	297	18,058	4.36	788	14	14,486	3.73	541	1-72		44	867	.08	44	62
21-10-0727	6616230	1278644	10-64	4	305	23,072	3.38	779	19	16,495	3.63	599	9-71		44	1,159	-.09	28	58
21-10-0727	7666286	1312008	11-68	2	294	26,165	3.50	916	20	20,155	3.60	725	12-71		40	766	.04	33	50
21-10-0912	6678983	1348259	9-66	3	304	18,750	3.66	687	69	14,703	3.71	546	11-71		42	726	.01	27	44
21-10-0912	7043629	1377691	1-68	2	305	19,540	3.51	685	60	14,430	3.67	530	7-71		40	758	-.03	23	42

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C D	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
21-10-0912	7209081	1312008	11-68	1	305	21,390	3.58	765	63	13,950	3.59	501	3-71		36	654	.05	31	$ 45
21-10-0912	7389751	1508263	3-69	1	305	21,990	3.40	748	60	13,940	3.65	509	6-71		23	769	-.03	23	42
21-10-0928	6425700	1348259	7-65	4	305	23,758	3.74	889	9	19,778	3.83	757	7-71		44	809	.01	30	49
21-10-0978	6864020	1261857	5-67	3	305	19,450	3.78	736	27	16,283	3.65	595	3-72		42	777	.07	39	56
21-11-0010	6653342	1278644	11-66	4	305	21,570	3.54	764	20	15,642	3.44	538	9-71		44	1,068	-.04	33	59
21-11-0010	6838936	1278644	1-67	2	305	21,740	3.42	743	19	15,750	3.51	553	9-70		40	962	-.06	25	50
21-11-0010	7192649	1509548	11-68	1	305	22,810	3.20	729	35	15,880	3.36	534	7-71		32	947	-.01	32	55
21-11-0015	6109030	1085978	6-64	6	299	18,330	3.60	659	45	15,610	3.56	555	12-71		44	772	-.01	26	45
21-11-0022	6694279	1458744	12-66	3	305	19,633	3.34	655	19	16,100	3.64	586	3-72		42	861	-.05	24	46
21-11-0052	6499196	1223243	10-65	3	305	21,957	3.58	785	22	18,080	3.72	672	1-71		42	749	-.03	23	42
21-11-0052	6947367	1383311	11-67	2	305	25,855	4.00	1033	12	18,890	3.53	666	4-71		40	841	.07	41	59
21-11-0052	7235953	1375967	7-68	2	305	22,945	4.00	918	12	18,735	3.65	684	4-72		40	723	-.01	25	42
21-11-0067	6291656	1330987	10-64	4	302	21,440	3.54	758	27	15,753	3.59	566	1-71		44	1,001	.02	39	62
21-11-0067	6795635	1122127	2-67	3	305	23,183	3.43	796	38	16,717	3.57	596	12-71		42	1,071	-.06	29	56
21-11-0067	7195190	1148993	9-68	2	305	22,850	3.76	860	32	17,745	3.52	625	2-72		39	760	.05	35	52
21-11-0067	7369349	1308101	7-69	1	305	21,870	3.73	816	35	17,140	3.69	633	11-71		36	988	-.02	33	57
21-11-0082	6419073	1439342	9-65	5	305	21,300	3.28	699	35	16,508	3.61	596	2-72		35	941	-.09	20	45
21-11-0087	5846296	1085978	1-63	6	299	18,363	3.55	652	28	15,142	3.48	527	9-71		44	830	-.01	28	48
21-11-0087	6763269	1458744	8-66	2	291	20,250	3.29	667	55	13,150	3.22	423	8-71		40	1,158	-.02	39	67
21-11-0087	6763284	1237057	10-66	4	298	20,978	3.19	669	56	13,680	3.19	436	10-71		44	1,156	-.06	32	61
21-11-0095	6150016	1252934	10-64	5	305	22,964	3.37	775	25	17,986	3.61	649	7-71		44	820	-.03	25	45
21-11-0095	6171133	1085978	10-64	5	305	25,782	3.65	941	24	18,026	3.63	655	3-71		44	1,453	-.02	50	85
21-11-0095	7169109	1348259	2-68	2	302	23,370	3.50	817	24	18,065	3.68	665	6-71		40	841	-.02	28	48
21-11-0095	7424571	1520161	6-69	1	291	19,660	4.88	960	28	18,140	4.01	728	11-71		32	616	.20	52	61
21-11-0095	7424573	1348259	7-69	1	305	22,650	3.92	889	31	17,120	3.84	658	8-71		36	715	.03	30	46
21-11-0099	6434132	1348259	8-65	4	305	20,045	3.40	682	22	16,155	3.61	583	5-71		44	753	-.03	23	42
21-11-0099	6689810	1348259	8-66	4	300	18,935	3.87	733	35	16,085	3.53	568	12-71		44	624	.06	31	44
21-11-0099	6828763	1348259	3-67	3	304	19,140	3.80	727	45	16,433	3.47	571	11-71		42	592	.05	29	42
21-11-0099	6928645	1377691	7-67	2	305	20,565	3.50	720	33	15,685	3.52	552	4-71		40	748	-.02	24	42
21-11-0099	6949183	1404202	9-67	3	305	24,523	3.02	740	47	16,256	3.55	577	11-71		42	1,316	-.15	24	60
21-11-0101	5549027	1085978	8-61	8	304	18,608	3.44	641	51	15,740	3.59	565	5-71		44	793	-.04	22	42
21-11-0101	5980485	1239886	7-63	5	298	20,982	3.46	727	25	16,474	3.66	603	12-71		44	727	.00	26	43
21-11-0101	6436898	1278644	9-65	3	305	19,910	3.50	696	44	15,686	3.61	566	10-70		42	829	-.07	20	42
21-11-0105	7602781	1458744	12-68	1	305	20,500	3.37	690	11	15,860	3.47	550	8-71		36	835	-.02	27	47
21-11-0118	6272162	1192713	10-64	4	305	27,073	3.48	942	27	18,795	3.62	680	11-71		44	1,289	-.03	42	73
21-11-0118	6272170	1085978	11-64	4	305	21,728	3.78	821	20	17,958	3.66	657	5-71		44	920	.01	34	56
21-11-0118	6301599	1085978	12-64	5	304	22,086	3.30	729	32	18,766	3.56	668	11-71		44	890	-.07	22	45
21-11-0118	6571527	1223243	3-66	4	304	23,785	3.42	814	37	18,505	3.54	655	8-71		43	957	-.03	30	54
21-11-0118	6742589	1223243	9-66	4	305	22,628	3.84	869	24	18,153	3.65	663	4-72		43	852	.03	36	55
21-11-0118	6833775	1458744	2-67	2	177	22,690	3.65	829	27	17,615	3.59	632	12-71		40	998	.00	36	60
21-11-0118	7072473	1225575	3-68	2	305	25,630	3.55	909	36	19,045	3.49	665	9-71		40	840	.01	32	52
21-11-0118	7072477	1399824	4-68	2	305	30,685	3.14	964	37	18,895	3.51	664	9-71		40	1,567	-.06	47	86
21-11-0118	7460868	1308101	9-69	1	305	23,500	3.36	789	27	19,540	3.45	675	11-71		36	948	-.04	28	52
21-11-0118	7511709	1242221	11-69	1	305	22,340	3.28	732	40	19,310	3.52	679	10-71		34	943	-.03	30	53
21-11-0121	6176845	1330987	11-64	5	305	20,676	4.18	864	21	18,634	3.61	673	11-71		44	596	.13	41	52
21-11-0121	6827589	1348259	3-67	3	305	22,483	3.47	780	20	16,843	3.81	642	8-71		42	934	-.04	28	51
21-11-0121	7457064	1427381	9-69	1	297	22,770	3.54	805	23	18,480	3.69	681	11-71		36	1,117	.02	44	70
21-11-0121	7457065	1427381	10-69	1	305	18,940	3.75	710	15	17,350	3.72	645	8-71		36	908	.05	40	60
21-11-0134	6876333	1458744	9-67	3	305	19,106	3.67	702	28	14,996	3.49	524	1-72		42	914	.01	35	56
21-11-0134	6950929	1450133	4-67	2	297	19,970	3.47	693	34	14,230	3.44	490	8-70		32	755	-.03	23	42
21-11-0134	7396574	1493686	7-69	1	305	21,030	3.13	658	43	14,110	3.51	495	11-71		35	945	-.01	32	55
21-11-0171	5489670	1094074	10-61	7	298	21,666	3.24	703	43	15,094	3.52	531	7-71		44	837	-.07	20	42
21-11-0171	6430456	1439342	8-65	4	300	21,220	2.95	626	35	15,523	3.49	542	12-71		33	1,030	-.14	15	44
21-11-0171	6990526	1458744	9-67	2	305	18,750	3.55	665	23	15,780	3.52	555	9-71		40	765	.00	27	45
21-11-0171	7159633	1458744	9-68	2	305	18,440	3.87	713	34	15,990	3.41	545	11-71		40	715	.05	33	49
21-11-0171	7325466	1493686	10-68	2	305	19,920	3.39	675	36	16,710	3.46	578	1-72		40	749	.01	29	46
21-11-0171	7325468	1399824	11-68	2	305	22,430	3.22	722	35	16,565	3.47	574	2-72		40	942	-.03	30	53
21-11-0178	5719326	1239886	11-62	3	305	22,497	3.61	812	25	16,770	3.55	595	10-71		42	809	.04	35	53
21-11-0178	6190920	1294703	8-64	6	305	19,470	3.70	720	25	16,475	3.62	596	10-71		44	770	-.01	26	45
21-11-0178	6207512	1413724	3-64	4	305	20,198	3.61	729	22	16,500	3.55	586	7-71		35	647	.02	27	42
21-11-0178	6872288	1276654	11-65	4	305	21,178	3.58	759	29	16,888	3.49	590	11-71		44	685	.01	26	42
21-11-0190	6268169	1085978	1-65	4	305	19,765	3.56	703	13	15,645	3.84	600	6-71		44	935	-.05	26	50
21-11-0190	6991369	1458744	10-67	3	282	19,553	3.71	726	17	15,940	3.77	601	1-72	H	42	868	-.01	30	51
21-11-0190	7405376	1458744	10-69	1	305	17,860	3.79	677	17	15,180	3.66	555	11-71		36	684	.01	26	42
21-11-0203	6707112	1348259	8-66	3	279	19,950	3.39	677	19	16,433	3.32	545	10-71	B	42	685	.01	26	42
21-11-0203	7416251	1509548	11-68	2	235	19,135	3.63	694	21	16,620	3.44	571	12-71	B	36	650	.04	29	43
21-11-0211	6566881	1278644	11-65	4	302	21,370	3.45	737	46	16,205	3.52	571	12-71		44	981	-.06	26	51
21-11-0211	6687102	1348259	7-66	4	300	18,773	3.70	694	44	15,795	3.49	552	3-72		44	636	.03	28	42
21-11-0211	6985170	1467649	9-67	3	296	20,516	3.28	672	41	15,936	3.53	562	9-71		33	780	-.04	22	42
21-11-0211	7110654	1467649	4-68	1	305	19,740	3.85	760	31	14,610	3.53	516	9-71		24	623	.04	29	43
21-11-0211	7223153	1467649	7-68	2	299	20,535	3.74	768	34	15,095	3.54	535	9-71		30	809	.04	35	53
21-11-0211	7223154	1467649	7-68	2	305	20,350	3.36	684	33	15,460	3.49	540	12-71		30	748	-.02	24	42
21-11-0211	7223159	1467649	8-68	1	305	22,560	3.55	801	36	14,850	3.60	535	5-71		24	855	.00	31	51
21-11-0211	7238553	1348259	10-68	2	298	19,565	3.85	753	26	15,040	3.56	535	3-72		40	732	.04	33	49
21-11-0211	7329290	1467649	7-68	1	305	21,770	3.41	743	31	14,610	3.53	516	9-71		24	804	-.01	28	47
21-11-0233	6683428	1278644	10-66	3	302	22,930	3.40	779	13	14,996	3.43	515	3-71		42	1,248	-.06	35	67
21-11-0253	6327012	1329588	2-65	3	303	21,437	3.41	730	52	15,383	3.71	570	10-71		42	908	-.06	24	47
21-11-0253	6793857	1348259	3-67	3	305	19,300	4.04	779	49	15,517	3.66	568	8-71		42	705	.06	35	50
21-11-0258	6881663	1261857	9-67	2	303	17,570	3.64	639	14	13,895	3.44	478	12-71		40	773	.07	39	55
21-11-0258	7017917	1261857	1-68	2	291	16,575	3.98	659	13	14,700	3.42	503	10-71		40	598	.11	38	49
21-11-0261	6115743	1421744	3-64	5	301	21,510	3.43	738	12	15,906	3.63	577	7-71		32	913	-.04	27	50
21-11-0261	7187880	1273756	10-68	1	305	21,540	3.56	766	43	17,670	3.56	629	8-71		36	650	.02	27	42
21-11-0261	7234309	1261857	1-69	1	298	23,680	3.18	753	46	17,530	3.57	626	9-71		36	912	.01	35	56
21-11-0261	7325900	1261857	4-69	1	305	22,420	3.70	829	49	17,560	3.59	630	10-71		36	816	.07	40	58
21-11-0265	6438448	1278644	10-65	4	302	20,342	3.51	713	15	15,777	3.63	572	2-71		44	902	-.06	23	46

TABLE 3. HOLSTEIN USOA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C D	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
21-11-0268	6698185	1261857	10-66	3	305	21,613	4.02	869	25	17,953	3.79	681	11-71		42	853	.10	46	$ 64
21-11-0268	7225702	1261857	11-68	1	305	25,620	3.96	1014	20	18,350	3.79	695	1-71		36	1,002	.08	49	71
21-11-0268	7253059	1261857	2-69	1	304	19,350	3.96	767	18	16,690	4.07	679	8-71		36	646	.06	32	46
21-11-0268	7395472	1261857	6-69	1	305	22,050	4.34	957	19	16,910	4.09	692	9-71		36	832	.10	45	62
21-11-0268	7395473	1261857	7-69	1	305	21,430	4.06	869	19	16,910	4.09	692	9-71		36	786	.07	39	56
21-11-0268	7395474	1261857	9-69	1	305	20,640	3.95	815	18	16,690	4.07	679	8-71		36	742	.06	36	52
21-11-0269	7342719	1490217	9-68	2	303	21,830	3.10	676	14	17,215	3.48	599	11-71		29	841	-.07	20	42
21-11-0284	6688640	1469651	10-66	4	296	19,225	3.50	673	21	13,110	3.53	463	2-72		35	1,025	-.04	31	56
21-11-0308	6329079	1085978	3-65	4	271	17,340	3.45	599	12	14,488	3.51	509	11-71		44	764	-.03	23	42
21-11-0308	7146603	1427381	9-68	2	303	20,470	3.25	666	5	16,645	3.39	564	2-72		40	1,132	.01	43	70
21-11-0320	5583553	1085978	3-62	1	299	21,470	3.81	817	5	16,530	3.69	610	6-71		36	847	-.01	29	49
21-11-0344	7256640	1347940	1-68	1	283	19,800	3.34	661	41	16,890	3.58	605	9-71		36	754	-.02	24	43
21-11-0344	7613978	1347940	4-69	1	305	20,370	3.39	691	41	16,890	3.58	605	9-71		36	796	-.02	26	45
21-11-0480	5230185	1085978	9-60	9	303	21,162	3.56	753	43	17,778	3.59	638	10-71		44	886	-.03	28	50
21-11-0480	6196170	1389471	11-64	5	305	22,622	3.48	787	47	18,290	3.50	640	2-72		44	757	-.03	23	42
21-11-0480	6656262	1245520	9-66	4	304	23,555	3.14	739	59	18,445	3.46	639	11-71		44	915	-.10	18	42
21-11-0480	6827584	1471438	1-67	4	295	23,277	3.55	826	49	18,675	3.46	646	11-71		40	769	.03	32	50
21-11-0480	6827594	1404202	3-67	3	305	22,293	3.33	743	52	18,070	3.45	623	11-71		42	872	-.08	19	42
21-11-0480	6909795	1348259	9-67	3	291	21,757	3.57	776	48	18,743	3.42	641	12-71		42	653	.02	27	42
21-11-0480	7069196	1348259	4-68	2	305	23,395	3.24	759	48	18,785	3.41	640	12-71		40	778	-.03	24	43
21-11-0480	7149988	1404202	7-68	2	305	23,735	3.27	777	68	18,165	3.44	624	10-71		40	960	-.09	21	46
21-11-0480	7206898	1516360	11-68	2	305	22,455	3.57	802	42	19,145	3.37	645	12-71		38	885	.03	36	56
21-11-0484	6698207	1458744	10-66	3	305	22,553	3.47	783	21	14,283	3.80	543	11-71		42	1,385	-.04	43	77
21-11-0484	6698208	1458744	10-66	2	305	17,490	3.99	698	29	15,415	3.70	570	1-71		40	671	.03	29	44
21-11-0484	6833779	1477071	3-67	3	305	20,337	4.13	839	29	15,893	3.68	585	4-72		32	603	.12	39	50
21-11-0484	7058284	1458744	1-68	2	305	17,320	3.72	644	28	14,435	3.76	543	10-71		40	743	-.01	26	44
21-11-0654	5981560	1085978	6-63	6	293	18,207	3.27	596	40	13,700	3.59	492	1-71		44	978	-.07	25	50
21-11-0654	5981561	1085978	8-63	6	305	16,340	3.60	588	39	13,585	3.58	487	10-71		44	750	-.01	25	43
21-11-0654	6155419	1085978	3-64	6	293	16,415	3.63	596	27	13,083	3.59	470	8-71		44	818	-.02	27	47
21-11-0654	6777220	1469651	8-66	3	305	20,640	3.20	660	33	14,226	3.57	508	9-71		34	1,027	-.10	22	49
21-11-0654	6972689	1278644	9-67	2	305	19,980	3.32	664	30	14,360	3.46	497	5-71		40	910	-.07	22	46
21-11-0655	6155420	1085978	8-64	5	302	19,672	3.32	653	35	15,456	3.40	525	10-71		44	963	-.04	28	52
21-11-0655	6546571	1085978	11-65	5	302	18,312	3.59	658	45	15,732	3.36	528	1-72		44	755	.01	29	47
21-11-0655	6546572	1278644	11-65	5	300	18,318	3.88	710	35	15,394	3.44	529	3-72		44	706	.02	28	44
21-11-0655	6972648	1278644	10-67	3	294	21,686	3.14	680	37	15,710	3.42	537	2-72		42	1,031	-.10	22	49
21-11-0694	6368668	1348259	8-65	5	297	21,630	3.37	728	23	16,726	3.58	598	8-71		44	911	-.03	28	51
21-11-0694	6897123	1403693	10-67	3	305	22,510	3.60	811	27	17,197	3.59	617	11-71		41	609	.05	30	43
21-11-0694	7330300	1419528	5-69	1	305	21,960	4.02	883	14	17,540	3.55	623	5-71		36	616	.07	33	46
21-11-0694	7418255	1308101	11-69	1	305	22,470	3.65	821	26	17,610	3.57	628	11-71		36	1,001	-.01	34	58
21-11-0727	5777006	1085978	1-63	5	305	20,038	3.91	784	24	17,134	3.56	610	4-71		44	815	.04	35	53
21-11-0727	6912865	1377691	6-67	3	305	22,867	3.60	824	31	17,370	3.52	612	2-72		42	898	.00	32	53
21-11-0730	6957852	1261857	11-67	1	305	17,710	3.39	601	12	15,220	3.61	550	7-71		36	622	.04	28	42
21-11-0737	6170485	1308091	9-64	4	305	23,993	3.29	789	32	16,488	3.66	603	8-71		44	1,077	-.09	25	53
21-11-0737	6170487	1085978	8-64	5	297	20,156	3.39	684	34	16,940	3.47	588	5-71		44	853	-.04	25	46
21-11-0737	6344124	1085978	4-65	5	305	21,926	3.29	721	34	16,736	3.43	574	3-72		44	1,105	-.06	31	59
21-11-0737	6831589	1406271	3-67	3	305	24,637	3.45	849	30	16,570	3.55	589	3-72		42	1,324	.01	49	80
21-11-0737	6975292	1273756	8-67	3	303	20,917	3.01	629	50	15,163	3.31	502	10-71		42	976	-.04	29	53
21-11-0737	7051725	1273756	10-67	2	305	22,115	3.16	699	33	16,230	3.16	513	3-71		40	933	.00	34	56
21-11-0737	7171973	1348259	6-68	2	305	19,160	3.70	709	54	14,975	3.44	515	11-71		40	696	.03	30	46
21-11-0737	7171975	1348259	6-68	2	305	20,680	3.09	638	50	14,290	3.36	480	9-71		40	913	-.05	26	49
21-11-0737	7628254	010275932	9-69	1	305	22,870	3.51	803	53	15,670	3.50	548	12-71		36	677	.02	27	43
21-11-0737	7768827	1404202	8-69	1	305	23,060	3.26	751	52	14,600	3.57	521	11-71		36	1,011	-.09	22	49
21-11-0873	5948937	1112211	3-63	6	305	19,527	3.31	646	11	15,222	3.63	553	8-71		44	917	-.07	22	46
21-11-0873	6152650	1278644	8-64	6	302	21,621	3.58	774	15	15,491	3.63	563	10-71		44	1,121	-.05	33	61
21-11-0873	6813569	1348259	12-66	3	301	19,757	3.62	716	15	15,903	3.52	560	9-71		42	717	.02	29	46
21-11-0883	6371650	1294703	9-64	5	305	17,864	3.58	640	16	14,552	3.60	524	10-71		44	787	-.03	24	44
21-11-0883	6371654	1085978	12-64	5	305	18,748	3.56	668	21	14,270	3.52	503	4-72		44	981	-.02	33	57
21-11-0883	6605467	1085978	12-65	4	303	17,150	3.70	635	33	14,378	3.50	503	10-71		44	753	.01	28	46
21-11-0883	6605468	1085978	12-65	4	301	17,615	3.81	671	29	14,538	3.49	508	11-71		44	793	.02	32	50
21-11-0883	7207321	1307195	1-67	3	299	18,450	3.79	699	34	14,730	3.52	519	10-71		42	605	.05	29	42
21-12-0026	7345352	1404931	10-68	2	305	23,380	3.38	791	7	15,750	3.63	572	4-72		40	1,091	-.09	26	54
21-12-0031	6699185	1278644	8-66	4	298	20,192	3.74	756	18	16,750	3.68	617	11-71		44	775	-.03	23	42
21-12-0031	6911735	1312008	6-67	2	305	23,925	3.95	944	15	16,910	3.72	629	2-71		40	835	.09	44	61
21-12-0031	7114914	1404202	8-68	2	305	23,635	3.51	829	17	17,605	3.75	661	10-71		40	1,001	-.09	23	49
21-12-0031	7257465	1427381	2-69	2	293	21,595	3.76	813	14	18,475	3.70	683	2-72		40	1,079	.05	47	71
21-12-0032	6423906	1085978	3-65	4	301	23,430	3.38	792	14	17,500	3.49	611	1-71		44	1,182	-.05	35	65
21-12-0035	6957257	1278644	9-67	2	293	20,880	3.21	671	19	15,200	3.39	516	11-71		40	924	-.08	21	45
21-12-0036	6258985	1085978	10-64	4	291	17,900	3.34	597	24	14,145	3.49	493	2-71		44	871	-.05	24	46
21-12-0036	6704932	1348259	9-66	3	305	18,647	3.59	670	42	13,830	3.43	475	4-71		42	804	.02	32	51
21-12-0042	5809220	1085978	12-62	6	305	27,010	3.54	956	12	22,987	3.64	836	2-71		44	1,035	-.04	31	57
21-12-0042	6419302	1221835	7-65	4	305	24,888	3.72	926	24	22,190	3.55	787	3-71		44	664	.02	27	42
21-12-0042	6732469	1278644	9-66	4	305	26,490	3.30	873	23	22,665	3.51	795	7-71		44	895	-.09	18	42
21-12-0042	6983626	1404931	10-67	2	305	27,930	3.33	929	18	23,035	3.47	799	6-71		40	888	-.09	19	42
21-12-0042	7242375	1404202	8-68	2	305	30,040	3.38	1015	18	23,305	3.45	803	10-71		40	1,130	-.08	29	58
21-12-0042	7242376	1348259	7-68	2	305	27,840	3.72	1037	17	23,440	3.41	799	10-71		40	804	.06	38	56
21-12-0047	6168599	1085978	9-64	4	300	17,900	3.16	566	21	14,160	3.61	511	12-71	B	44	870	-.08	19	42
21-12-0050	6931891	1458744	11-67	3	293	20,723	3.40	705	17	15,943	3.63	579	3-72		42	1,002	-.04	30	55
21-12-0050	7099741	1404202	8-67	2	294	22,155	3.49	774	21	15,835	3.61	572	8-71		40	1,012	-.07	26	52
21-12-0061	6739980	1406271	9-66	3	305	21,650	3.52	763	16	17,870	3.65	652	4-71		42	845	.02	33	53
21-12-0061	7085884	1482114	12-67	2	305	22,445	4.01	901	20	17,895	3.57	638	7-71		35	667	.07	35	49
21-12-0061	7532386	1447141	11-69	1	305	23,100	3.66	846	28	18,710	3.50	654	1-72		36	602	.07	32	44
21-12-0065	5677920	1085978	6-62	7	298	17,977	3.47	623	15	14,420	3.72	537	1-72		44	864	-.05	23	45
21-12-0080	7329914	1507569	11-68	1	305	25,370	3.14	797	28	16,030	3.42	549	6-71		35	940	-.09	20	45
21-12-0103	6094607	1085978	4-64	6	303	18,293	3.67	671	13	15,542	3.57	555	2-72		44	775	-.01	27	46
21-12-0117	7168767	1458744	2-68	1	305	19,310	3.45	666	24	12,930	3.52	455	7-71		36	943	-.01	32	55

TABLE 3. HOLSTEIN USDA-OHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	REGISTRATION COW NUMBER	REGISTRATION SIRE NUMBER	COW BORN MO-YR	COW'S AVERAGE PRODUCTION RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	HERDMATE AVERAGES NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C D	COW INDEX REPT (%)	MILK (LB)	FAT (%)	FAT (LB)	DOLLARS
21-12-0119	6686441	1285709	10-66	3	305	20,427	3.42	699	34	14,827	3.41	505	12-71		42	776	-.03	23	$ 42
21-12-0125	6025704	1085978	9-63	5	302	17,136	3.69	632	55	15,090	3.38	510	12-71		44	678	.02	27	43
21-12-0147	5904447	1239886	9-62	7	301	20,197	4.15	838	12	18,134	3.58	649	4-71		44	433	.13	35	42
21-12-0160	7156066	1377691	7-68	1	305	22,620	3.31	749	21	14,650	3.31	485	9-71		36	850	-.02	27	48
21-12-0168	6970298	1458744	11-67	2	301	20,695	3.54	732	13	16,365	3.50	572	5-71		40	909	-.01	32	54
21-12-0168	7540783	1427381	10-69	1	305	22,070	3.16	698	17	16,500	3.50	578	12-71		36	1,198	.00	43	72
21-12-0168	7540784	1427381	10-69	1	305	21,560	3.92	846	16	16,460	3.51	578	11-71		36	1,163	.08	54	80
21-12-0181	7189019	1383311	2-67	3	305	23,070	3.36	775	17	17,630	3.43	604	11-71		42	749	-.03	23	42
21-12-0187	7864952	1427381	9-69	1	284	19,790	3.80	753	17	16,890	3.64	614	1-72		36	1,002	.06	45	67
21-12-0199	6347346	1452090	8-65	5	305	25,462	3.28	834	22	18,796	3.50	657	1-72		43	1,097	-.09	25	54
21-12-0199	6836335	1273756	5-67	2	305	23,375	3.11	727	25	17,930	3.54	634	7-71		40	905	-.04	26	49
21-12-0200	6954427	1360676	10-67	2	305	22,710	3.34	759	18	17,700	3.58	634	4-71		39	972	-.03	31	55
21-12-0200	7060420	1348259	5-68	2	305	22,405	3.48	780	12	16,885	3.51	593	6-71		40	851	.00	31	51
21-12-0210	6492798	1236789	1-66	2	305	21,375	4.07	869	9	16,575	3.60	596	3-72		40	842	.07	41	59
21-12-0210	7422038	1236789	5-69	1	301	18,500	3.96	733	12	14,310	3.68	526	10-71		35	667	.03	29	44
21-12-0244	6174700	1085978	10-64	5	303	19,522	3.68	719	22	17,530	3.52	617	4-72		44	703	.00	26	43
21-12-0244	6174701	1244845	10-64	5	302	21,630	3.39	733	30	17,206	3.53	607	6-71		44	803	-.05	21	42
21-12-0244	6892198	1348259	10-67	3	301	22,353	3.46	773	8	17,850	3.65	651	3-72		42	814	-.02	26	46
21-12-0244	7010191	1348259	11-67	2	305	24,200	3.59	869	25	18,535	3.46	642	8-71		40	883	.02	35	55
21-12-0244	7129311	1416771	8-68	2	304	22,245	3.76	837	15	18,360	3.64	669	1-72		35	565	.09	34	45
21-12-0244	7474440	1419528	7-69	1	305	26,170	3.47	907	25	18,830	3.48	656	7-71		36	843	.02	33	53
21-12-0256	6464672	1221835	1-66	3	305	21,263	3.33	707	17	16,307	3.53	576	3-71		42	832	-.05	23	44
21-12-0292	6630755	1085978	11-64	2	305	17,575	3.64	639	24	14,770	3.47	512	4-71		40	724	.00	26	43
21-12-0305	5929495	1221835	10-63	6	305	18,800	3.72	699	25	14,837	3.61	536	7-71		44	748	.01	28	46
21-12-0305	6340722	1245520	3-65	4	305	20,300	3.58	726	32	15,125	3.58	542	2-71		44	882	-.03	27	49
21-12-0305	6737041	1348259	9-66	4	301	17,740	3.69	655	38	14,498	3.39	492	8-71		44	652	.04	30	44
21-12-0305	7258970	1510512	10-68	2	305	22,520	3.20	720	32	15,775	3.52	555	2-72		36	792	-.02	25	44
21-12-0305	7288797	1540133	1-67	2	305	18,965	3.76	714	42	14,235	3.34	475	8-71		25	597	.06	30	43
21-12-0305	7530149	1520162	9-69	1	305	23,710	2.95	699	47	13,940	3.40	474	8-71		30	1,030	-.08	25	52
21-12-0307	6640457	1278644	10-65	5	293	19,784	3.19	632	26	15,388	3.41	524	10-71		44	896	-.09	19	43
21-12-0307	7438591	1427381	9-69	1	305	21,020	3.32	698	22	16,500	3.30	544	12-71		36	1,120	.03	45	71
21-12-0330	6306143	1085978	11-64	6	305	20,200	3.83	773	19	17,483	3.64	636	3-72		44	796	.02	31	50
21-12-0330	6524831	1399850	9-65	5	305	24,370	4.04	984	23	17,782	3.59	639	11-71		44	986	.14	57	77
21-12-0330	6780958	1399850	10-66	3	305	26,433	3.69	975	21	17,820	3.60	642	3-71		42	1,129	.07	51	76
21-12-0330	6947781	1273756	7-67	3	305	21,393	3.54	758	20	17,900	3.54	634	10-71		42	748	.02	30	47
21-12-0330	7636715	1516360	11-68	1	305	20,750	3.84	796	18	16,760	3.58	600	7-71		33	848	.03	35	54
21-12-0334	7327681	1427381	12-68	1	305	23,130	3.19	738	13	16,840	3.30	555	11-71		36	1,254	.02	48	77
21-12-0334	7385627	1427381	8-69	1	290	21,550	3.68	794	11	16,350	3.35	547	1-72		36	1,169	.06	52	78
21-12-0355	5801557	1239886	12-62	7	305	20,971	3.69	773	25	16,764	3.50	587	1-72		44	692	.06	34	49
21-12-0355	6208857	1239886	10-64	4	305	20,098	3.90	783	18	16,568	3.56	589	3-71		44	583	.09	34	46
21-12-0355	6208858	1235822	9-64	5	300	20,790	3.58	745	29	16,958	3.53	599	3-71		44	645	.02	27	42
21-12-0355	6487243	1348259	10-65	4	305	22,208	3.45	767	26	17,628	3.48	613	2-71		44	856	.00	31	51
21-12-0362	5523896	1189870	8-61	9	303	21,147	3.75	793	14	16,784	3.77	633	12-71		44	791	.01	30	49
21-12-0362	5771934	1244845	1-63	7	305	20,444	4.01	820	9	17,019	3.83	652	4-72		44	672	.02	27	43
21-12-0371	6384309	1441303	12-64	4	305	25,820	3.69	952	23	17,310	3.68	637	8-71		30	1,338	.01	50	82
21-12-0371	6452593	1416743	10-65	3	305	24,290	2.84	690	21	17,266	3.61	624	9-71		38	1,083	-.14	18	48
21-12-0371	6452597	1406271	11-65	4	303	21,493	4.01	862	23	18,115	3.58	648	12-71		44	825	.11	46	63
21-12-0371	6728012	1347940	10-66	4	267	20,615	3.56	733	22	17,982	3.53	635	1-72		44	829	.00	30	5[illegible]
21-12-0371	6772003	1458744	10-66	3	305	19,446	3.70	719	16	17,223	3.61	621	2-72		42	723	.01	27	44
21-12-0371	7453848	1347940	2-68	2	305	20,080	3.64	731	18	17,560	3.58	629	7-71		40	775	.01	29	47
21-12-0378	7143257	1458744	6-68	2	302	20,205	3.32	671	61	15,590	3.60	561	1-72		40	930	-.04	27	50
21-12-0378	7143258	1458744	7-68	2	301	18,475	3.94	728	51	15,490	3.58	555	12-71		40	764	.04	33	50
21-12-0378	7143261	1458744	8-68	2	305	17,810	4.13	736	68	15,825	3.61	571	11-71		40	666	.06	33	47
21-12-0378	7218268	1427381	11-68	1	305	18,070	3.87	700	70	16,250	3.66	594	10-71		36	917	.06	42	62
21-12-0378	7500237	1427381	10-69	1	305	18,660	3.54	660	47	15,340	3.60	553	2-72		36	1,022	.03	42	65
21-12-0384	5219247	1085978	12-59	9	301	18,243	3.69	674	22	14,509	3.62	525	6-71		44	888	-.01	31	52
21-12-0384	5990827	1240125	9-63	6	292	18,745	3.69	692	20	14,790	3.64	539	5-71		44	776	.00	28	46
21-12-0384	6814878	1270932	10-65	5	303	21,316	3.43	731	33	15,074	3.62	545	12-71		44	922	-.05	25	48
21-12-0384	7018645	1312008	10-67	3	305	21,073	3.42	721	34	16,157	3.55	573	11-71		42	679	.02	28	44
21-12-0388	7290438	1427381	10-68	1	305	19,740	3.72	734	15	14,760	3.52	520	11-70		36	1,141	.06	50	76
21-12-0392	6897237	1360676	9-67	3	305	18,720	3.55	665	26	15,133	3.64	551	11-71		41	832	.00	30	50
21-12-0392	7603522	1419528	10-69	1	305	22,410	3.22	721	21	15,260	3.48	531	11-71		36	802	-.01	28	47
21-12-0396	6193362	1278644	12-64	5	305	17,202	3.74	643	15	13,610	3.52	479	8-71		44	770	-.01	26	45
21-12-0402	6194321	1242163	8-64	5	303	22,930	3.27	749	21	15,934	3.62	577	4-71		44	1,245	-.17	19	53
21-12-0402	7006281	1348259	11-67	1	305	23,470	3.36	789	16	17,910	3.37	604	1-71		36	723	.00	26	43
21-12-0441	6745592	1278644	1-67	3	305	23,253	3.31	770	11	18,036	3.44	620	8-71		42	970	-.08	23	48
21-12-0452	7026173	1416771	1-68	2	305	19,415	3.84	745	17	15,800	3.68	581	2-71		35	506	.09	32	42
21-12-0452	7026174	1416771	1-68	2	305	19,390	4.00	776	17	16,030	3.78	606	11-71		35	480	.11	33	42
21-12-0452	7595946	1416771	3-70	1	305	19,660	3.74	735	7	14,290	3.61	516	4-72		30	538	.08	32	43
21-12-0474	7430824	1427381	8-69	1	305	17,860	3.50	625	21	15,730	3.68	579	12-71		36	936	.03	38	60
21-12-0474	7430825	1427381	9-69	1	296	19,460	3.71	721	34	15,700	3.62	569	11-71		36	1,057	.05	46	7[illegible]
21-12-0474	7430826	1427381	9-69	1	305	22,490	3.45	775	34	15,700	3.62	569	11-71		36	1,283	.02	50	80
21-12-0474	7575318	1427381	10-69	1	305	19,590	3.76	736	35	15,890	3.62	575	9-71		36	1,054	.05	46	70
21-12-0474	7575319	1427381	11-69	1	305	18,720	3.82	716	21	15,730	3.68	579	12-71		36	1,000	.05	44	66
21-12-0479	4442809	1257738	1-56	9	304	23,973	3.11	745	43	16,042	3.56	571	4-71		35	1,324	-.12	29	64
21-12-0479	6243704	1438159	2-65	5	303	21,852	3.79	829	45	17,066	3.52	601	1-72		32	801	.06	38	55
21-12-0479	6303525	1282936	4-65	5	305	22,396	3.34	748	49	16,744	3.54	593	3-72		44	931	-.04	27	5[illegible]
21-12-0479	6477014	1357743	11-65	4	305	25,275	3.21	812	29	15,810	3.57	564	9-71		44	1,268	-.10	31	64
21-12-0479	6477015	1417208	12-65	4	305	22,378	2.99	669	28	16,433	3.52	578	6-71		44	1,124	-.09	27	56
21-12-0479	6591707	1446272	5-66	4	304	21,538	3.44	740	48	16,548	3.57	591	12-71		35	884	-.05	25	47
21-12-0479	6996836	1497831	12-67	2	305	23,380	3.61	844	45	15,535	3.60	559	8-71		36	1,078	-.03	34	61
21-12-0489	6639626	1348259	6-66	4	301	21,918	3.64	798	31	17,863	3.66	654	11-71		44	794	.01	30	49
21-12-0489	7212995	1419528	9-68	2	305	25,715	3.66	941	9	18,410	3.44	633	4-72		40	1,030	.05	45	68
21-12-0500	5823281	1239886	11-62	6	305	21,090	4.20	886	7	17,425	3.73	650	4-71		44	630	.12	41	53
21-12-0500	7109572	1458744	2-68	2	305	20,645	3.72	768	8	17,895	3.68	658	3-71		40	764	.00	28	46

TABLE 3. HOLSTEIN USDA-OHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C O	REPT (%)	.......C O W MILK (LB)	I N D E X....... FAT (%)	FAT (LB)	DOL-LARS
21-12-0500	7674699	1458744	3-69	1	305	23,240	3.67	854	7	17,940	3.81	683	7-71		36	900	-.02	30	$ 52
21-12-0500	7674701	1347940	5-69	1	305	21,220	3.63	770	7	18,190	3.82	694	7-71		36	772	-.01	26	45
21-12-0500	7674702	1347940	7-69	1	292	21,560	3.73	804	8	18,360	3.69	678	10-71	B	36	786	.00	29	48
21-12-0500	7674703	1347940	11-69	1	305	20,860	3.66	764	6	18,500	3.63	671	11-71		36	725	.01	27	44
21-12-0505	5929815	1221835	8-63	7	297	22,280	3.51	783	33	17,367	3.63	631	8-71		44	903	-.03	28	50
21-12-0505	6075213	1413472	1-64	6	296	21,827	4.31	941	23	17,838	3.76	671	3-72		36	660	.19	52	63
21-12-0505	6803771	1348259	2-67	3	292	20,980	4.06	851	17	17,920	3.89	697	1-72		42	649	.04	30	44
21-12-0506	6042268	1085978	8-63	5	293	17,724	3.93	696	31	15,322	3.59	550	6-71		44	727	.03	31	47
21-12-0515	5419565	1085978	8-61	9	302	16,130	3.69	596	23	13,428	3.57	480	10-71		44	741	.00	26	44
21-12-0522	6246471	1085978	7-64	6	301	23,397	3.24	759	27	18,712	3.52	659	11-71		44	1,065	-.07	27	54
21-12-0522	7047596	1368763	8-67	2	305	26,190	3.02	790	18	17,260	3.54	611	5-71		40	1,032	-.14	15	44
21-12-0522	7119255	1348259	1-68	2	305	23,000	3.41	785	31	18,355	3.43	629	10-71		40	777	.00	28	47
21-12-0533	5525301	1252934	1-62	7	304	21,777	3.75	816	6	17,870	3.83	685	9-71		44	680	.01	26	42
21-12-0533	5763181	1239886	1-63	6	305	24,177	3.79	917	14	20,897	3.82	798	3-71		44	625	.04	28	42
21-12-0533	6714901	1261857	11-66	3	287	23,987	3.76	903	14	21,237	3.81	809	1-71	H	42	786	.06	37	54
21-12-0533	7037326	1273756	11-67	2	305	22,770	3.68	839	9	17,800	3.92	698	5-71		40	856	.00	31	51
21-12-0533	7222053	1477381	10-68	1	305	27,850	2.88	802	13	20,730	3.75	777	2-71		35	924	-.09	20	44
21-12-0542	6566440	1348259	8-65	4	289	24,038	3.96	952	15	17,333	3.80	659	1-71	B	44	1,115	.05	48	73
21-12-0543	6667111	1479235	6-66	4	304	21,063	3.41	719	32	16,830	3.46	583	12-71		33	752	-.01	25	43
21-12-0546	5986207	1330987	10-63	5	304	20,680	3.90	807	12	17,006	3.53	601	4-71		44	786	.09	42	58
21-12-0546	6841527	1417208	10-65	2	305	19,605	3.72	729	14	16,885	3.58	604	5-71		40	688	.03	29	45
21-12-0546	7251996	1383311	11-67	2	305	26,425	2.84	751	15	17,130	3.67	629	5-71		40	1,060	-.14	16	45
21-12-0546	7304214	1417208	1-69	1	305	22,680	3.33	755	14	16,840	3.67	618	2-71		36	864	-.03	27	48
21-12-0550	6490438	1221835	3-65	4	305	24,478	3.53	864	15	17,038	3.70	631	4-71		44	1,186	-.04	37	66
21-12-0550	7308327	1427381	1-69	1	305	21,320	3.68	784	25	19,790	3.54	700	8-71		36	921	.05	41	62
21-12-0550	7579895	1427381	10-69	1	291	21,480	3.77	810	25	19,790	3.54	700	8-71		36	933	.06	43	64
21-12-0575	6710287	1278644	12-66	3	305	22,150	3.32	735	25	14,766	3.37	498	11-71		42	1,182	-.07	32	62
21-12-0575	6742518	1278644	8-66	3	300	20,920	3.12	652	23	14,630	3.42	500	8-71		42	1,054	-.10	22	50
21-12-0575	6787873	1411214	3-67	3	305	21,467	3.51	754	23	15,530	3.32	515	2-72		42	694	.03	30	46
21-12-0610	5537803	1286761	10-61	3	305	21,080	3.47	732	21	15,367	3.57	549	4-72		29	828	-.02	27	47
21-12-0610	6188189	1181572	7-64	5	305	19,754	3.49	690	20	15,016	3.51	527	7-71		44	814	-.03	25	45
21-12-0613	5994165	1245520	2-63	6	301	22,727	3.34	760	15	16,462	3.64	600	6-71		44	1,066	-.08	26	54
21-12-0613	7306991	1404202	4-67	3	305	20,466	3.56	728	19	16,923	3.43	581	10-71		42	781	-.04	22	42
21-12-0627	6720896	1348259	1-67	3	305	17,897	3.87	693	13	14,160	3.55	502	10-71		42	684	.05	32	47
21-12-0667	6185288	1085978	10-64	4	303	17,228	3.70	638	10	14,965	3.49	522	5-71		44	697	.01	26	42
21-12-0667	7226190	1278644	2-67	3	305	21,700	3.34	725	16	16,190	3.40	550	3-72		42	983	-.07	25	50
21-12-0669	6415987	1085978	1-64	6	300	22,788	3.20	729	45	17,540	3.56	624	10-71		44	1,123	-.09	27	56
21-12-0669	6988610	1406271	9-67	3	305	20,157	3.45	696	47	17,050	3.42	583	10-71		42	759	.03	32	49
21-12-0669	6988612	1383311	12-66	3	293	23,177	3.19	740	51	17,100	3.42	585	10-71		42	816	-.06	21	42
21-12-0669	7091328	1458744	9-67	3	305	21,803	2.87	626	52	17,516	3.39	593	11-71		42	964	-.10	19	45
21-12-0669	7091329	1458744	10-67	3	300	20,293	3.52	715	46	17,623	3.37	594	11-71		42	779	.01	30	46
21-12-0669	7204115	1458744	10-67	2	288	20,140	3.59	723	25	17,980	3.42	615	2-71		40	705	.01	27	44
21-12-0669	7512540	1406271	8-69	1	305	21,190	3.61	764	24	16,930	3.40	576	1-72		36	745	.05	35	51
21-12-0701	5699311	1259069	12-62	7	302	23,361	3.27	764	24	17,053	3.61	615	12-71		44	977	-.09	22	48
21-12-0701	6151267	1239886	8-63	1	305	26,180	4.29	1123	66	19,210	3.44	660	10-71		36	690	.14	46	59
21-12-0701	6324028	1085978	9-64	5	305	19,620	3.79	743	48	17,668	3.54	625	11-71		44	699	.02	28	44
21-12-0701	6607065	1085978	9-64	4	302	20,010	3.70	740	40	17,050	3.52	600	9-71		44	809	.01	30	49
21-12-0704	5968764	1390054	12-63	5	303	20,246	3.69	747	15	16,692	3.53	590	11-71		35	736	.03	31	48
21-12-0731	5929821	1085978	10-63	6	304	19,407	3.62	703	11	17,158	3.58	615	4-71		44	731	-.02	24	42
21-12-0737	6416746	1348259	11-65	5	304	22,150	3.28	727	31	18,286	3.45	631	10-71		44	797	-.03	24	44
21-12-0751	6626696	1085978	9-66	4	293	24,208	3.37	815	10	19,583	3.53	692	8-71		44	1,046	-.06	29	55
21-12-0754	5864319	1199324	5-63	5	291	19,160	3.73	714	47	15,710	3.58	563	10-71		44	892	.01	34	55
21-12-0754	6108508	1085978	4-64	5	295	20,924	3.59	752	43	17,548	3.62	635	7-71		44	882	-.02	28	50
21-12-0754	6195709	1085978	11-64	5	303	18,618	3.68	685	33	16,122	3.62	584	6-71		44	750	-.01	26	44
21-12-0754	6394622	1446272	10-65	4	305	21,955	3.70	813	51	17,523	3.58	628	9-71		35	818	.01	31	50
21-12-0754	6471014	1085978	11-65	2	305	19,790	3.59	710	95	16,860	3.52	593	10-71		40	758	-.02	25	43
21-12-0754	7143260	1458744	8-68	1	305	19,930	4.19	836	92	16,630	3.56	592	11-70		36	741	.05	35	51
21-12-0754	7394745	1347940	2-69	1	305	21,630	3.98	861	82	16,720	3.55	593	8-71		36	901	.04	39	59
21-12-0754	7394747	1458744	2-69	1	305	21,770	3.33	725	95	17,030	3.51	597	9-71		36	852	-.03	26	47
21-12-0754	7394748	1458744	3-69	1	305	20,610	3.38	697	95	17,030	3.51	597	9-71		36	765	-.02	24	43
21-12-0754	7500210	1516360	1-70	1	305	19,280	3.64	702	96	17,050	3.44	587	1-72		33	713	.02	29	45
21-12-0754	7500223	1458744	11-69	1	305	20,510	3.41	700	60	16,970	3.49	593	3-72		36	762	-.02	25	44
21-12-0765	6948376	1377691	7-67	3	305	26,117	3.42	893	19	17,653	3.43	606	10-71		42	1,242	-.03	40	70
21-12-0777	7166199	1510178	9-68	2	305	22,125	3.55	785	24	18,035	3.43	619	1-72		36	618	.06	32	45
21-12-0800	6284970	1278644	9-64	4	289	21,992	3.30	725	33	16,485	3.59	591	9-71		44	1,027	-.10	22	49
21-12-0800	6447370	1348259	8-65	4	303	18,488	3.99	737	22	16,358	3.53	577	1-71		44	538	.08	31	42
21-12-0800	7521832	1427381	8-69	1	305	20,570	3.61	742	40	16,310	3.57	583	9-71		36	1,099	.04	46	71
21-12-0803	6366351	1312008	9-65	4	305	22,515	3.81	857	18	17,830	3.39	605	4-71		44	713	.11	42	56
21-12-0803	6843203	010229512	3-62	3	305	22,753	3.77	858	26	18,307	3.44	629	1-72		42	653	.11	40	53
21-12-0843	6627472	1261857	9-66	2	302	22,435	3.39	761	7	13,065	3.74	488	2-71		40	1,342	.01	50	82
21-12-0845	6583871	1348259	8-65	4	297	18,795	3.63	683	11	14,883	3.49	520	3-72		44	740	.03	31	48
21-12-0850	7163980	1243697	11-66	3	305	22,817	3.55	811	12	16,237	3.58	581	7-71		42	667	.02	27	42
21-12-0850	7592225	1458744	1-69	1	305	25,920	3.22	834	23	16,410	3.64	597	12-70		36	1,202	-.05	35	65
21-12-0853	7389015	1416771	2-69	2	305	20,890	3.84	803	10	17,225	3.59	618	2-72		35	527	.11	35	45
21-12-0854	6214352	1085978	9-64	5	305	22,624	3.05	691	10	17,032	3.45	588	3-72		44	1,161	-.10	26	56
21-12-0859	6444770	1278644	8-65	5	305	20,582	3.29	677	14	16,050	3.59	576	8-71		44	922	-.09	19	44
21-12-0859	6942000	1348259	8-67	3	305	20,950	3.36	704	16	16,870	3.51	592	9-71		42	754	-.02	24	43
21-12-0859	6942001	1273756	8-67	3	304	19,793	3.88	767	16	18,033	3.49	630	1-72		42	550	.08	32	43
21-12-0859	6942002	1273756	9-67	3	301	21,047	3.49	734	15	17,787	3.50	622	1-72		42	720	.02	29	46
21-12-0864	7268900	1458744	12-68	2	298	18,030	3.77	679	8	15,545	3.57	555	12-71		40	714	.01	28	45
21-12-0864	7517338	1458744	1-70	1	305	17,810	3.61	643	10	14,740	3.55	523	11-71		36	710	.00	25	42
21-12-0875	5733779	1189870	8-62	6	300	19,470	4.09	797	13	15,453	3.70	572	5-71		44	729	.08	38	53
21-12-0875	6595524	1282262	3-66	4	301	21,985	4.08	897	16	16,378	3.72	610	10-71		44	624	.07	33	46
21-12-0875	7108393	1427381	8-68	1	305	23,060	3.64	839	21	17,650	3.86	682	9-70		36	1,195	.03	47	75
21-12-0883	7192021	1348259	10-68	1	305	25,070	3.22	807	5	17,080	3.72	635	9-71		36	898	-.05	25	48

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C D	.......C O W REPT (%)	MILK (LB)	I N D E X....... FAT (%)	FAT (LB)	DOL-LARS
21-12-0885	7459677	1404931	7-69	1	305	24,900	3.22	801	12	17,760	3.22	571	10-71		36	880	-.08	20	$ 43
21-12-0912	7028740	1458744	3-68	1	305	19,920	3.80	757	5	17,300	3.17	549	11-70		36	696	.05	32	47
21-12-0916	5893089	1085978	8-63	2	305	19,255	3.42	659	24	16,180	3.34	540	2-72		40	766	-.02	25	44
21-12-0916	7317976	1427381	3-69	1	305	19,940	2.69	536	31	15,940	3.28	523	9-71		36	1,077	-.02	35	61
21-12-0934	5580985	1179372	1-62	6	305	21,193	3.65	773	11	17,102	3.63	621	3-71		44	751	.01	29	47
21-12-0934	7138554	1473442	9-68	2	305	20,375	4.04	823	22	16,810	3.74	628	10-71		39	769	.01	29	47
21-12-0977	6167648	1085978	10-64	4	259	21,635	3.72	804	30	17,003	3.52	599	11-71	B	44	1,015	.01	38	62
21-13-0006	6060424	1239886	2-64	5	305	21,560	3.96	854	21	16,484	3.85	635	2-72		44	800	.07	39	56
21-13-0020	6408316	1237057	8-65	5	297	21,990	3.46	760	28	17,206	3.81	655	12-71		44	913	-.08	20	44
21-13-0020	6966003	1458744	9-67	2	305	21,460	3.70	793	40	16,720	3.92	656	9-71		40	955	-.02	31	54
21-13-0020	6966004	1458744	10-67	2	305	23,220	3.83	890	34	16,205	3.94	638	8-71		40	1,180	.00	42	70
21-13-0023	6756900	1478272	10-66	3	270	21,267	3.90	829	58	15,307	3.78	578	12-71	B	37	1,218	.05	52	80
21-13-0029	7166814	1261857	10-66	2	296	17,440	3.62	631	25	15,605	3.65	570	4-71		40	603	.06	30	43
21-13-0029	7166815	1261857	10-66	2	305	17,175	3.74	643	23	15,345	3.68	565	5-71		40	600	.06	31	44
21-13-0029	7199112	1261857	1-67	3	305	19,057	3.96	755	54	15,113	3.74	565	12-71		42	853	.09	45	63
21-13-0029	7380975	1482818	9-67	3	305	22,093	3.29	727	47	15,926	3.67	585	2-72		38	909	-.07	22	46
21-13-0029	7483179	1261857	1-69	1	305	18,880	3.94	744	42	14,960	3.77	564	8-71		36	727	.08	38	53
21-13-0029	7687402	1510636	12-68	1	305	22,930	3.53	809	42	14,860	3.78	562	8-71		29	1,352	.01	51	83
21-13-0043	6562732	1430145	7-66	3	305	18,173	3.60	655	12	15,096	3.68	555	6-71		37	705	.00	25	42
21-13-0043	6615798	1329588	3-65	5	273	21,704	3.09	670	25	15,408	3.53	544	12-71	B	44	1,019	-.10	22	49
21-13-0049	5801578	1240125	3-63	6	303	21,870	3.62	792	18	18,467	3.74	690	1-71		44	752	-.02	24	42
21-13-0049	6004541	1085978	8-63	6	305	22,898	3.43	786	16	18,667	3.70	690	2-71		44	1,006	-.07	26	52
21-13-0067	7105109	1252934	3-68	2	305	20,650	3.72	768	33	14,070	3.67	517	1-72		40	805	.03	33	51
21-13-0068	6787682	1179372	12-65	2	305	17,885	3.86	690	10	13,450	3.67	494	4-71		40	643	.04	29	43
21-13-0068	6994039	1458744	10-67	2	305	16,800	3.88	651	11	14,160	3.97	562	12-71		40	715	-.01	25	42
21-13-0102	6504356	010250735	7-65	4	305	23,395	3.45	809	31	17,205	3.62	622	10-71		43	720	.03	31	47
21-13-0102	6741459	1473510	8-66	2	305	24,285	3.22	782	23	17,645	3.79	668	4-71		36	961	-.10	19	45
21-13-0116	7213755	1458744	1-69	1	304	17,830	3.57	637	35	14,150	3.77	533	8-71		36	751	-.02	24	42
21-13-0116	7305927	1458744	3-69	1	305	18,680	3.67	686	35	14,150	3.77	533	8-71		36	814	-.01	28	48
21-13-0149	6273033	1309574	7-64	4	299	17,508	4.06	710	12	15,405	3.56	549	7-71		44	477	.11	34	42
21-13-0159	5432204	1239242	9-61	7	305	20,620	4.08	841	58	17,306	3.70	640	12-71		44	614	.07	32	45
21-13-0159	6167290	1430145	10-64	4	305	18,955	3.68	697	38	16,280	3.59	585	3-71		38	686	.02	28	44
21-13-0159	6184427	1393997	8-64	5	304	21,448	3.68	790	54	18,132	3.75	680	5-71		44	748	.01	28	46
21-13-0159	6191070	1237057	11-64	5	304	22,334	3.46	772	54	17,686	3.75	663	7-71		44	902	-.08	20	44
21-13-0159	6385439	1309574	7-65	5	305	20,232	3.85	778	63	17,724	3.76	666	1-72		44	568	.06	30	42
21-13-0159	6930834	1471360	4-67	3	305	20,253	4.26	862	62	17,850	3.74	668	11-71		33	553	.11	36	46
21-13-0159	7006657	1347940	8-67	2	305	21,420	3.77	808	66	17,480	3.71	648	8-71		40	919	.01	35	57
21-13-0159	7112255	1471360	12-67	2	305	21,030	3.91	822	57	17,495	3.73	653	12-71		30	647	.04	29	43
21-13-0236	6720050	1244009	12-66	3	305	21,137	3.67	776	27	14,860	3.94	586	12-71		42	1,133	-.05	33	61
21-13-0236	6869447	1458744	9-67	2	305	16,805	4.50	756	35	14,465	3.93	568	7-71		40	688	.07	35	50
21-13-0254	5747900	1085978	9-62	6	305	16,228	3.73	606	21	13,672	3.67	502	7-71		44	726	-.01	25	42
21-13-0259	6675798	1430145	8-66	3	297	21,010	3.41	716	12	15,730	3.69	581	12-70		37	992	-.04	30	55
21-13-0259	6937938	1387978	12-67	2	243	20,325	3.60	731	22	16,300	3.60	587	7-71	B	40	832	-.01	29	49
21-13-0264	6195269	1278644	11-64	5	303	19,936	3.53	704	19	14,932	3.68	550	9-71		44	969	-.06	25	50
21-13-0264	6372235	1393997	9-65	4	305	18,630	3.79	707	25	14,680	3.80	558	11-71		43	766	.02	31	49
21-13-0264	6480077	1416743	12-65	3	305	18,816	3.83	720	27	14,800	3.77	558	4-71		38	677	.03	29	44
21-13-0264	6487355	1393997	2-66	4	304	18,467	3.57	660	23	14,335	3.75	537	9-71		43	784	-.01	27	46
21-13-0264	6526940	1393997	4-66	3	305	19,950	3.56	711	19	15,236	3.79	577	3-72		42	836	-.01	29	49
21-13-0264	6584080	1085978	3-65	4	305	17,265	3.78	652	27	14,763	3.70	546	7-71		44	724	-.01	25	42
21-13-0264	7037147	1348259	11-67	2	305	19,090	3.73	713	24	14,780	3.72	550	10-71		40	707	.02	28	44
21-13-0268	6457302	1244009	2-65	4	305	22,528	3.60	810	33	16,465	3.76	619	6-71		44	1,170	-.05	34	63
21-13-0268	7179260	1387978	4-68	2	305	19,645	3.72	730	47	16,700	3.74	624	9-71		40	726	-.01	25	42
21-13-0272	6714043	1473505	8-66	3	305	23,850	3.40	810	50	15,567	3.67	572	12-71		29	1,197	-.05	35	65
21-13-0272	6806383	1430145	11-66	3	305	20,036	3.64	729	42	14,566	3.65	531	10-71		37	1,001	.01	38	61
21-13-0272	7397956	1413165	3-69	1	305	24,680	2.89	713	45	14,810	3.60	533	7-71		36	1,091	-.17	13	44
21-13-0304	5609309	1179372	1-62	5	287	19,800	3.92	777	13	16,012	3.68	590	1-72		44	698	.05	33	48
21-13-0304	7454495	1312008	9-69	1	305	22,200	4.28	950	14	16,070	3.83	616	11-71		36	572	.11	37	48
21-13-0325	6366807	1309574	11-63	5	297	18,774	4.09	768	21	15,976	3.76	600	10-71		44	583	.10	36	47
21-13-0330	5346974	1256340	1-61	6	301	21,902	4.52	989	30	15,715	3.80	597	5-71		40	1,058	.15	62	83
21-13-0330	5503720	1189870	12-61	4	305	20,165	4.23	852	39	16,090	3.77	607	9-71		44	724	.09	40	55
21-13-0330	5808284	1189870	1-63	5	304	19,626	4.20	825	36	15,798	3.83	605	5-71		44	709	.08	38	53
21-13-0330	6024343	1055021	8-63	6	305	26,025	3.40	886	44	18,477	3.65	675	8-71		41	1,320	-.09	34	68
21-13-0330	6671494	1413096	12-66	3	305	20,473	4.02	824	29	16,166	3.49	565	11-71		34	578	.11	38	49
21-13-0330	7019704	1458744	6-66	3	299	22,896	3.30	755	22	15,676	3.63	569	12-70		42	1,280	-.06	37	69
21-13-0330	7412145	010275932	9-68	1	132	21,580	4.13	891	53	15,210	3.80	578	7-71	B	36	611	.07	32	45
21-13-0339	5655020	1382881	11-61	7	305	22,957	3.69	846	27	16,924	3.79	641	10-71		39	1,166	-.01	40	68
21-13-0339	5819873	1382881	11-62	5	305	21,608	3.54	766	37	17,018	3.74	636	1-72		39	961	-.03	30	54
21-13-0339	7129623	1428649	7-67	3	305	24,156	3.46	836	23	18,210	3.70	673	3-72		39	912	-.08	20	44
21-13-0339	7463124	1382881	2-69	1	305	21,260	3.65	775	40	16,370	3.64	596	9-71		28	736	.00	27	44
21-13-0352	6809118	1333641	1-67	3	305	20,847	3.47	724	15	13,763	4.08	561	8-71		42	825	-.04	24	45
21-13-0352	7208889	1330987	12-68	2	301	18,860	3.82	721	9	15,175	3.76	570	3-72		40	681	.05	32	47
21-13-0352	7448457	1330987	12-69	1	305	19,040	4.00	761	9	15,020	3.64	547	12-71		36	622	.07	33	46
21-13-0354	6017872	1252934	2-63	5	257	19,248	3.66	705	6	14,690	3.60	529	2-71		44	723	.03	30	47
21-13-0357	5923972	1245520	9-63	6	305	22,492	3.51	789	73	18,218	3.46	631	2-71		44	832	-.03	26	47
21-13-0357	6108277	1273756	5-64	4	305	23,338	2.98	696	86	17,748	3.41	605	5-71		44	1,031	-.07	27	53
21-13-0357	6420645	1423404	11-65	4	304	21,593	3.55	766	92	17,965	3.40	611	6-71		35	748	.02	30	47
21-13-0357	6658990	1467549	5-66	4	305	22,943	3.23	742	69	17,505	3.55	621	3-72		30	874	-.08	20	43
21-13-0357	6885896	1473942	10-67	2	305	25,930	3.04	787	84	18,845	3.43	647	11-70		34	1,092	-.12	21	50
21-13-0357	7108151	010229512	12-63	3	305	21,260	3.93	835	83	17,393	3.52	613	2-72		42	575	.12	39	49
21-13-0357	7183371	1458744	10-68	2	299	23,510	2.92	686	92	17,645	3.50	617	12-71		40	1,078	-.10	23	52
21-13-0357	7197533	1458744	9-68	2	290	21,105	3.37	712	111	17,350	3.45	598	9-71		40	861	-.02	28	49
21-13-0357	7307536	1377691	11-68	1	278	26,180	3.23	845	111	16,540	3.36	555	6-71	H	36	989	-.04	29	54
21-13-0358	6977069	010295212	6-67	2	305	20,720	4.33	898	14	17,510	3.36	588	4-71		25	446	.16	40	46
21-13-0361	7329201	1491007	4-69	1	305	22,140	3.52	780	32	15,360	3.60	553	9-71		35	1,038	.00	38	63
21-13-0361	7398051	1447414	9-69	1	286	17,740	3.58	635	29	14,900	3.64	542	12-71		35	828	-.03	25	46

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C D	.......C O W REPT (%)	MILK (LB)	I N D E X....... FAT (%)	FAT (LB)	DOL-LARS
21-13-0371	6885404	1425137	2-67	3	305	22,303	3.33	743	19	14,737	3.71	547	7-71		42	917	-.07	23	$ 47
21-13-0378	5615722	010229512	1-60	4	260	21,295	3.21	684	62	15,815	3.68	582	1-72		43	787	-.02	26	45
21-13-0378	6543773	1289545	1-66	4	304	19,222	3.52	677	22	15,955	3.77	601	5-71		37	841	-.05	22	44
21-13-0378	6635805	1399824	1-69	1	286	18,380	3.98	731	60	14,870	3.71	551	10-71		36	610	.05	29	42
21-13-0379	6629861	1393997	8-66	3	301	20,473	3.22	659	32	15,116	3.76	568	8-71		42	910	-.06	24	47
21-13-0379	6629862	1393997	8-66	4	300	21,060	3.83	807	21	16,847	3.79	638	1-72		43	826	.03	34	53
21-13-0379	6633970	1458744	9-66	3	305	19,056	3.70	706	34	16,273	3.80	619	8-71		42	776	-.01	26	45
21-13-0466	6032479	1416146	11-63	6	305	22,712	3.48	791	41	18,150	3.60	653	4-72		32	783	-.03	24	43
21-13-0466	6116012	1254887	5-64	6	305	24,752	3.74	926	45	17,823	3.66	652	8-71		44	1,027	.02	40	64
21-13-0466	6253587	1443113	11-64	4	305	22,307	3.51	782	41	18,050	3.70	668	6-71		36	961	-.08	22	47
21-13-0466	6253590	1443113	12-64	5	305	23,392	3.29	770	38	17,626	3.72	656	8-71		37	1,195	-.13	23	55
21-13-0466	6282717	1443113	3-65	4	305	23,572	3.26	769	34	17,922	3.68	660	12-70		36	1,154	-.13	21	52
21-13-0466	6358484	1443113	6-65	5	305	21,440	3.98	854	36	17,824	3.71	662	8-71		37	884	.01	34	55
21-13-0466	6358485	1443113	7-65	5	305	22,704	3.12	709	35	17,644	3.73	658	7-71		37	1,092	-.17	13	44
21-13-0466	6489722	1443113	10-65	5	305	24,312	3.23	786	36	18,408	3.61	665	2-72		37	1,226	-.13	24	57
21-13-0466	6614249	1443113	6-66	4	305	26,187	3.31	866	40	18,625	3.62	674	1-72		36	1,432	-.12	33	70
21-13-0466	6817463	1462187	6-67	3	305	22,036	3.99	879	50	19,073	3.59	685	11-71		34	536	.12	37	47
21-13-0466	6916173	1443113	10-67	2	305	23,550	3.25	765	33	18,420	3.75	691	4-71		32	970	-.13	15	42
21-13-0475	6457600	1222994	7-65	4	305	22,875	3.65	835	36	15,928	3.74	596	1-72		44	1,135	.00	41	68
21-13-0499	5826717	010265607	8-60	5	305	17,826	3.79	675	26	14,778	3.76	556	3-71		39	748	.03	31	48
21-13-0499	7058120	010280494	2-66	3	305	19,180	3.94	756	24	15,017	3.70	556	3-71		29	602	.05	29	42
21-13-0499	7213837	1479547	8-67	2	305	18,280	4.13	755	24	15,265	3.73	569	11-70		32	580	.07	31	43
21-13-0616	7128399	1348259	8-68	2	302	22,175	3.44	763	34	17,190	3.65	627	10-71		40	800	-.02	26	46
21-13-0664	4529898	1087974	1-57	10	304	19,669	3.52	693	39	14,880	3.88	577	1-71		44	942	-.04	28	52
21-13-0664	5759033	1154946	1-63	6	305	20,397	3.69	752	32	15,310	3.87	592	7-71		44	824	-.04	24	45
21-13-0674	7303201	1348259	7-68	2	304	19,690	3.36	661	19	14,860	3.59	534	9-71	B	40	761	-.02	24	43
21-13-0745	6965248	1475918	9-67	3	291	18,540	3.34	620	16	14,386	3.69	531	1-72		36	975	-.11	18	44
21-13-0745	7434672	1510636	4-69	1	305	16,550	4.60	762	14	14,370	3.81	548	10-71		29	860	.11	48	65
21-13-0770	6232411	1430145	1-65	4	299	20,810	3.36	699	26	15,482	3.48	538	4-71		38	1,033	-.02	34	59
21-13-0770	6255043	1430145	1-65	4	305	18,607	3.40	632	36	15,105	3.55	536	12-71		38	782	-.02	25	44
21-13-0770	6393210	1430145	7-65	4	304	18,547	3.41	632	34	15,487	3.50	542	1-71		38	727	-.01	24	42
21-13-0770	6458060	1430145	11-65	3	305	18,930	3.35	634	30	14,483	3.54	512	5-71		37	870	-.02	28	49
21-13-0770	6507072	1430145	2-66	4	305	16,262	4.02	653	43	14,340	3.59	515	1-72		38	558	.07	30	42
21-13-0770	6675799	1430145	8-66	3	305	17,480	3.72	651	38	14,670	3.60	528	9-71		37	666	.03	28	43
21-13-0770	6675803	1430145	12-66	3	300	18,906	3.74	708	26	14,973	3.56	533	3-72		37	812	.04	35	53
21-13-0770	6675804	1430145	12-66	2	305	19,035	3.36	639	18	14,945	3.49	522	4-71		34	782	-.01	26	45
21-13-0770	6910073	1430145	5-67	2	305	18,360	3.83	703	30	14,780	3.55	524	2-71		34	723	.05	33	49
21-13-0770	6910075	1430145	8-67	2	305	17,865	3.67	655	31	14,020	3.60	505	7-71		34	744	.01	29	46
21-13-0770	6998944	1430145	1-68	2	305	18,275	3.55	648	43	13,915	3.64	507	10-71		34	801	-.01	28	47
21-13-0770	6998945	1430145	2-68	2	305	19,340	3.10	600	42	14,150	3.64	515	12-71		34	896	-.07	22	45
21-13-0770	7427327	1430145	7-69	1	305	20,920	3.44	719	34	14,120	3.68	520	1-72		29	904	-.02	30	52
21-13-0777	6555449	1386406	3-66	3	305	20,270	3.80	771	21	15,410	3.67	565	6-71		42	806	.04	35	53
21-13-0777	6793193	1330987	1-67	3	298	19,960	3.35	668	19	15,897	3.68	585	4-71		42	773	-.01	26	45
21-13-0777	7395727	1458744	6-69	1	305	17,780	3.75	666	21	13,820	3.75	518	8-71		36	770	-.01	27	45
21-13-0789	5332238	1085978	12-60	9	297	18,649	3.73	695	11	16,039	3.68	590	4-71		44	763	-.01	26	44
21-13-0789	5982990	1239886	9-63	5	299	20,594	3.75	773	15	16,120	3.62	583	3-71		44	718	.05	34	50
21-13-0789	5982994	1085978	10-63	6	303	20,237	3.43	694	12	16,450	3.74	615	4-71		44	920	-.07	23	47
21-13-0915	6428459	1278644	9-65	4	299	22,690	3.49	792	23	18,257	3.60	657	11-71	B	44	916	-.07	23	47
21-13-0915	6740085	1348259	8-66	4	275	20,068	4.15	833	16	18,548	3.60	668	2-72	B	44	490	.10	33	42
21-13-0966	6152272	1085978	2-63	6	305	19,472	3.45	672	66	15,537	3.66	568	3-71		44	928	-.05	26	49
21-13-0966	6975040	1387978	9-67	2	305	19,260	3.61	695	55	14,920	3.62	540	7-71		40	850	-.01	29	50
21-13-0966	7227045	1393997	2-69	1	305	19,660	4.02	790	66	14,870	3.64	541	10-71		35	671	.05	32	47
21-13-0966	7253457	1432733	2-69	1	305	21,560	3.37	727	63	14,570	3.70	539	8-71		35	824	-.03	25	45
21-14-0027	6296845	1278644	9-64	5	303	16,742	3.72	623	31	12,846	3.56	457	3-72		44	799	-.02	26	46
21-14-0027	7020442	1480596	6-67	2	305	20,585	3.47	714	55	13,840	3.60	498	1-71		38	972	-.08	23	48
21-14-0030	6496217	1348259	5-65	4	232	18,095	4.13	747	33	16,158	3.55	573	9-71		44	512	.09	32	42
21-14-0030	6872135	1348259	9-67	1	303	22,950	3.33	765	34	16,490	3.52	580	11-71		36	780	-.01	26	45
21-14-0030	6956117	1312008	10-67	3	305	20,630	3.69	761	41	16,733	3.53	590	10-71		42	569	.07	31	43
21-14-0034	7299646	1399283	1-69	2	305	22,790	3.54	806	11	17,965	3.45	619	3-72		40	778	-.02	25	44
21-14-0041	7059583	1348259	12-67	2	305	21,580	3.44	743	35	16,770	3.47	582	11-71		40	778	.00	28	47
21-14-0095	6466077	1348259	12-65	4	305	20,868	3.35	700	17	16,983	3.55	603	11-71		44	763	-.03	23	42
21-14-0110	6798371	1085978	2-67	3	305	20,207	3.24	654	18	15,650	3.42	535	6-71		42	959	-.06	26	50
21-14-0127	7407429	1523648	7-69	1	305	23,880	3.35	800	32	17,320	3.46	600	8-71		31	786	-.01	27	46
21-14-0128	6773421	1476679	11-66	2	284	24,700	3.09	763	22	18,695	3.49	652	9-70		36	1,019	-.10	22	49
21-14-0158	7408748	1312008	9-69	1	305	24,970	3.32	828	17	18,390	2.90	533	10-71		36	623	.08	34	47
21-14-0158	7473173	1312008	12-69	1	305	25,790	3.01	775	25	18,220	2.93	534	1-72		36	696	.03	30	46
21-14-0167	6900690	1348259	10-66	3	305	19,527	3.34	653	20	14,847	3.40	505	4-71		42	800	-.01	27	46
21-14-0168	6338117	1272013	12-63	6	301	20,125	3.50	704	17	14,813	3.40	504	8-71		44	921	-.03	28	51
21-14-0186	7118280	1387978	3-68	2	305	21,700	3.39	736	19	17,265	3.62	625	10-71		40	883	-.04	26	48
21-14-0186	7142570	1495315	6-68	2	293	23,955	3.41	817	25	17,255	3.60	621	11-71		36	943	-.03	29	52
21-14-0186	7318495	1387978	2-69	2	305	21,325	3.54	754	14	17,045	3.63	618	4-72		40	865	-.02	28	49
21-14-0192	7196782	1404202	11-68	2	305	20,460	3.13	640	22	14,440	3.55	512	11-71		40	968	-.11	18	44
21-14-0258	6465146	1348259	5-65	5	303	20,010	3.69	739	18	17,114	3.49	598	11-71		44	656	.04	29	44
21-14-0258	6917037	1348259	1-67	3	298	21,783	3.15	686	23	17,100	3.53	603	8-71		42	826	-.06	21	42
21-14-0258	7360240	1348259	12-68	1	290	22,760	3.88	883	13	18,500	3.42	633	10-71		36	631	.05	31	45
21-14-0259	7400791	1458744	11-67	2	304	16,280	3.21	523	44	12,610	3.58	451	7-71		40	804	-.05	22	42
21-14-0265	7384983	1387978	1-68	2	305	18,880	3.35	632	19	14,205	3.78	537	3-71		40	876	-.06	23	45
21-14-0265	7384984	1244009	2-68	2	305	18,090	3.68	665	18	14,565	3.71	541	7-71		40	779	-.03	23	42
21-14-0282	6099455	1425454	6-64	5	305	16,268	4.23	688	18	12,990	3.56	462	4-71		36	606	.11	39	50
21-14-0293	7433978	1520161	6-69	1	305	20,790	4.01	834	29	17,660	3.51	620	11-71		32	741	.15	50	63
21-14-0294	6395621	1278644	7-65	5	305	20,952	3.47	728	40	16,732	3.62	605	10-71		44	891	-.07	22	45
21-14-0294	6395629	1354572	9-65	4	305	23,445	3.60	844	30	17,563	3.58	629	12-71		36	1,109	.00	40	66
21-14-0294	6511605	1348259	12-65	5	304	19,744	3.98	785	20	16,814	3.66	616	3-72		44	657	.06	33	47
21-14-0305	7587814	1404202	7-69	1	305	22,490	3.12	701	15	14,480	3.38	490	11-71		36	976	-.10	20	46
21-14-0345	6972585	1458744	9-67	3	305	19,383	3.54	687	7	16,650	3.79	631	2-72		42	775	-.03	23	42

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C D	REPT (%)	......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
21-14-0347	6624113	1282596	1-66	2	305	22,945	3.32	761	13	16,090	3.35	539	3-72		40	822	-.04	24	$ 45
21-14-0347	7098914	1312008	2-68	1	305	23,340	3.21	749	22	14,970	3.37	505	9-71		36	731	.02	30	47
21-14-0348	6980871	1348259	9-67	2	305	24,965	3.12	778	12	14,925	3.36	501	6-71		40	1,290	-.05	39	71
21-14-0348	7193023	1404202	11-68	2	297	23,635	2.93	692	11	17,260	3.26	563	4-72		40	1,032	-.12	18	46
21-14-0349	7193305	1387978	8-68	2	303	19,445	3.62	703	26	14,650	3.68	539	3-72		40	893	-.01	30	52
21-14-0357	6139586	010260599	7-64	5	302	20,818	3.45	719	45	15,402	3.45	532	5-71		44	903	-.05	25	48
21-14-0415	6574090	1413705	11-64	4	263	21,055	3.71	782	27	15,998	3.57	571	1-72		41	716	.07	37	52
21-14-0439	7021695	1377691	11-67	2	305	20,350	3.71	756	26	15,945	3.50	558	11-71		40	702	.01	27	43
21-14-0468	5953513	1259069	8-63	6	304	20,810	3.97	826	22	16,262	3.70	601	3-71		44	740	.03	31	48
21-14-0468	6803037	1303502	9-66	4	297	22,800	3.18	725	41	16,208	3.65	592	9-71		44	921	-.07	22	46
21-14-0468	6803040	1324688	9-66	4	305	21,193	3.73	790	35	15,843	3.69	584	11-71		44	623	.05	30	43
21-14-0468	6981685	1261857	10-67	2	305	19,145	3.73	715	42	15,965	3.57	570	10-71		40	743	.07	38	54
21-14-0468	6981687	1261857	7-67	3	305	22,313	3.65	815	31	15,860	3.68	583	2-72		42	1,150	.05	50	76
21-14-0620	6566664	1221835	1-66	4	305	20,295	3.49	708	14	15,843	3.71	587	5-71		44	802	-.04	23	43
21-14-0620	7165655	1419528	6-68	2	302	20,240	3.53	715	20	15,780	3.63	573	9-71		40	715	.01	28	45
21-14-0680	6198125	1085978	10-64	3	289	15,220	3.52	535	20	12,043	3.56	429	6-71		42	759	-.02	24	43
21-14-0798	6054854	1239886	2-64	6	304	23,212	3.41	792	22	17,415	3.59	626	8-71		44	905	.00	32	54
21-14-0878	6180391	1330597	8-64	6	305	21,537	3.63	781	16	17,132	3.57	612	4-72		44	772	-.01	27	46
21-15-0012	5982378	1221835	9-63	6	305	19,560	3.56	697	41	15,833	3.51	556	12-71		44	730	.00	26	43
21-15-0012	6088118	1239886	2-64	6	304	19,977	3.61	721	74	15,777	3.51	553	12-71		44	678	.04	31	46
21-15-0012	6187220	1239886	11-64	4	296	19,553	4.07	795	55	15,893	3.53	561	3-72		44	590	.11	38	49
21-15-0012	6342180	1085978	7-65	5	295	19,478	3.41	664	89	15,932	3.51	559	9-71		44	883	-.04	26	48
21-15-0012	6429190	1085978	9-65	3	305	21,183	3.64	772	74	16,080	3.50	562	8-71		42	1,027	.00	37	61
21-15-0012	6941566	1348259	11-67	2	304	21,080	3.47	731	95	16,080	3.53	567	8-71		40	790	.00	28	47
21-15-0012	7248925	1477381	10-68	1	302	20,260	3.80	770	115	15,970	3.51	560	8-71		35	671	.06	33	47
21-15-0012	7327367	1419528	2-69	1	305	21,930	3.55	778	66	16,290	3.54	577	6-71		36	698	.03	29	45
21-15-0012	7466475	1408080	10-69	1	297	23,570	3.22	758	76	16,450	3.48	572	12-71		36	894	-.07	22	45
21-15-0012	7466495	1348259	9-69	1	305	22,570	3.15	711	102	16,010	3.49	558	11-71		36	784	-.03	23	43
21-15-0269	7357056	1408080	5-69	1	305	24,080	3.48	837	82	15,670	3.85	604	9-71		36	984	-.07	25	50
21-16-0027	6401110	1348259	8-65	4	297	19,615	3.23	634	19	14,033	3.42	480	3-71		44	936	-.03	29	52
21-16-0039	5574062	1240125	5-62	5	305	21,472	3.71	796	16	16,528	3.63	600	9-71		44	926	.01	35	57
21-16-0039	6059795	1239886	4-64	4	305	21,398	3.74	800	20	17,350	3.67	636	11-71		44	656	.05	31	45
21-16-0048	7179924	1477381	8-68	2	302	18,665	3.93	733	16	16,470	3.36	553	9-71		39	559	.09	34	45
21-16-0091	6792568	1278644	12-66	3	305	18,886	3.48	658	24	13,900	3.70	514	10-71		42	896	-.07	21	44
21-16-0091	7328698	1458744	1-69	1	305	18,440	3.70	682	14	14,330	3.65	523	1-72		36	784	.00	28	47
21-16-0108	6397003	1406271	7-65	3	305	18,310	3.35	613	21	15,080	3.65	550	8-71		42	750	-.01	26	44
21-16-0108	6520132	010247136	9-61	5	305	18,246	4.09	747	22	15,124	3.60	544	9-71		35	635	.09	36	49
21-16-0108	7671031	010275932	9-67	2	305	19,530	3.70	723	24	14,210	3.76	534	2-72		40	661	.02	27	42
21-16-0173	6160067	1330987	10-64	4	305	18,858	4.07	767	50	16,455	3.49	574	5-71		44	604	.11	39	50
21-16-0173	7149182	1458744	9-68	1	305	24,540	3.62	888	47	17,300	3.47	601	12-70		36	1,040	.00	38	63
21-16-0173	7440575	010275932	4-68	2	305	24,575	3.55	872	46	16,735	3.54	592	11-71		40	943	.01	36	58
21-16-0195	5792171	010275932	3-63	7	301	16,887	4.13	698	13	13,176	3.60	474	12-71		44	578	.09	35	46
21-16-0195	7078870	1348259	9-67	3	305	21,507	3.40	731	30	16,300	3.56	581	4-72		42	878	-.02	28	50
21-16-0205	7030508	1348259	7-67	2	305	20,200	3.43	693	14	15,250	3.57	545	11-71		40	777	-.01	26	45
21-16-0215	6613574	1450133	11-65	4	305	21,815	3.02	658	15	15,345	3.58	550	8-71		36	1,008	-.13	16	44
21-16-0227	7894692	010275932	10-68	1	305	21,800	3.56	775	22	14,780	3.52	520	11-71		36	657	.02	27	42
21-16-0381	6398273	1282596	6-65	4	305	24,123	3.56	858	21	17,645	3.59	634	3-72		44	943	-.03	30	53
21-16-0381	6571839	1348259	3-66	4	281	21,013	3.67	771	25	17,813	3.63	647	12-71		44	688	.01	27	43
21-16-0389	6847142	1458744	2-67	2	202	16,440	3.75	617	27	12,560	3.53	443	5-71	B	40	825	.01	32	51
21-16-0610	6059797	1085978	4-64	6	301	18,567	3.67	681	22	15,302	3.54	542	12-71		44	838	.00	30	50
21-16-0610	7155143	1404202	5-67	3	300	20,166	3.31	667	26	14,680	3.51	516	9-71		42	978	-.09	22	48
21-18-0010	6896712	1474097	1-67	2	305	23,125	3.44	796	30	16,780	3.44	578	5-71		29	961	.00	34	57
21-18-0010	6896715	1474097	3-67	3	304	21,713	3.24	703	25	15,213	3.45	525	8-71		32	1,056	-.05	31	57
21-18-0010	7406224	1312008	10-69	1	293	23,090	3.79	876	17	15,960	3.67	586	2-72		36	646	.07	34	47
21-18-0012	7326366	1427381	9-68	1	139	19,690	4.11	810	21	17,560	3.62	635	11-70	B	36	950	.09	48	68
21-18-0106	5172760	1085978	10-60	8	305	19,204	3.73	716	9	16,123	3.51	566	4-71		44	825	.01	32	51
21-18-0106	5681920	1085978	8-62	7	300	21,193	3.40	721	11	16,129	3.52	568	10-71		44	1,081	-.05	32	59
21-18-0106	6053277	1085978	11-63	6	304	21,532	3.71	799	14	16,143	3.52	569	12-71		44	1,123	.01	42	68
21-18-0106	7166755	1085978	8-68	2	305	20,540	3.44	706	21	16,935	3.34	565	3-72		40	827	-.01	28	48
21-18-0172	6374367	1278644	6-65	1	305	24,570	2.73	671	10	16,610	3.31	550	2-71		36	971	-.13	15	42
21-18-0172	6471699	1278644	12-65	1	305	24,310	2.93	712	14	17,750	3.02	536	1-72		36	875	-.08	19	42
21-18-0172	7686467	1419528	11-69	1	305	24,590	3.11	765	16	17,150	3.06	524	11-71		36	838	.01	31	51
21-18-0276	6585729	1085978	9-64	4	305	20,470	3.18	651	43	15,645	3.44	538	7-71		44	1,022	-.07	26	52
21-18-0276	6789560	1458744	10-66	2	305	20,080	3.37	676	28	15,790	3.48	550	11-70		40	899	-.03	28	50
21-18-0276	7352129	1419528	6-69	1	305	22,850	3.74	855	49	15,770	3.60	567	1-72		36	801	.04	35	53
21-18-0276	7468865	1428145	2-69	1	305	22,870	3.34	763	53	15,050	3.61	543	11-71		35	937	-.08	22	46
21-18-0281	6050879	1085978	12-62	3	304	19,687	3.36	662	14	16,527	3.38	559	3-71		42	808	-.03	25	45
21-18-0281	6558259	1348259	3-66	3	298	21,383	3.52	752	12	16,137	3.33	538	3-71		42	880	.02	35	55
21-18-0296	6623757	1278644	3-66	4	302	25,320	2.89	733	27	18,367	3.38	621	9-71		44	1,229	-.16	20	54
21-18-0296	7452182	1458744	10-69	1	305	24,480	3.04	743	16	20,020	3.44	688	12-71		36	853	-.06	22	44
21-18-0304	5290306	1199324	11-60	2	305	20,925	3.58	750	8	14,845	3.62	537	6-71		40	1,084	-.01	37	63
21-18-0313	6284165	1221835	11-64	3	305	19,493	3.61	704	32	15,353	3.56	547	10-71		42	727	-.01	25	43
21-18-0313	6725337	1348259	12-66	3	305	20,467	3.26	667	30	15,647	3.56	557	6-71		42	826	-.04	23	44
21-18-0314	5764761	1085978	8-62	6	305	18,575	3.57	663	10	16,202	3.55	575	10-71		44	735	-.02	24	42
21-18-0417	5305598	1199324	1-61	6	258	19,230	3.15	606	29	15,328	3.36	515	2-71	B	44	946	-.06	25	49
21-18-0417	5305599	1199324	1-61	7	239	18,757	3.08	578	24	15,677	3.34	523	2-71	B	44	844	-.06	21	43
21-18-0417	6946711	1222994	8-66	3	210	22,647	3.06	692	27	15,123	3.21	485	2-71	B	42	1,138	-.05	34	62
21-18-0427	6225057	1085978	10-64	5	305	22,936	3.26	748	31	18,406	3.48	640	2-71		44	1,041	-.07	27	54
21-18-0427	6697794	1278644	10-66	4	305	23,980	3.60	864	19	20,355	3.43	699	2-72		44	842	-.02	27	48
21-18-0648	7593532	1489981	10-69	1	305	17,100	4.08	697	10	13,520	3.45	467	3-72		35	448	.14	37	44
21-18-0965	6650123	1199324	5-63	5	305	16,666	3.34	556	14	13,406	3.59	481	12-71		44	838	-.05	23	44
21-18-0965	7294918	1417208	1-69	1	305	15,490	3.54	549	13	10,730	3.78	406	8-71		36	738	.00	26	44
21-19-0028	6298127	1348259	3-65	5	252	21,876	3.30	721	13	18,386	3.37	619	2-72		44	750	-.02	24	42
21-19-0042	6893628	1486235	12-66	3	290	21,230	3.51	746	15	15,503	3.46	536	4-71		33	1,019	.00	37	61
21-19-0067	6333452	1244845	9-64	6	299	19,568	3.53	691	24	13,332	3.53	470	12-71		44	987	-.03	31	55

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C O	.......C O W REPT (%)	I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
21-19-0067	7356694	1427381	1-69	2	305	18,245	3.54	646	30	14,860	3.53	524	11-71		40	1,070	.04	44	$ 69
21-19-0067	7577569	1427381	9-69	1	305	18,870	2.90	548	26	14,300	3.57	510	11-71		36	1,107	-.02	37	64
21-19-0067	7599815	1427381	12-69	1	303	18,370	3.60	661	26	14,140	3.56	504	12-71		36	1,081	.04	45	70
21-19-0103	5802439	1085978	3-63	5	303	21,198	3.77	800	12	17,174	3.49	599	5-71		44	960	.03	39	61
21-19-0103	7318465	1347940	10-68	2	287	20,310	3.30	671	15	17,390	3.35	583	1-72		40	814	-.02	27	47
21-19-0104	6649566	1360676	8-66	4	299	17,490	3.53	618	14	14,553	3.44	501	1-72		42	767	.02	31	49
21-19-0115	5791733	1199324	4-63	5	299	17,182	3.72	639	24	14,854	3.59	533	11-71		44	736	.01	28	45
21-19-0115	6825161	1470607	5-67	3	301	19,270	3.82	736	29	14,967	3.57	534	2-72		33	721	.05	33	49
21-19-0115	7400044	1458744	6-69	1	297	21,190	3.65	774	40	14,870	3.60	536	1-72		36	953	.00	34	57
21-19-0121	6592948	1239886	3-66	4	305	21,948	3.70	812	10	18,988	3.39	643	2-72		44	542	.08	31	42
21-20-0002	6801093	1261857	10-66	3	305	16,870	3.52	593	20	14,280	3.47	495	4-71		42	688	.05	33	48
21-20-0002	6832027	1261857	11-66	3	305	16,760	3.86	647	17	14,210	3.50	498	4-72		42	682	.10	39	53
21-20-0002	7234052	1261857	2-69	1	305	15,480	3.96	613	20	13,540	3.61	489	11-71		36	569	.08	33	44
21-20-0002	7234054	010275932	11-68	2	305	20,780	3.42	711	21	14,365	3.65	524	3-72		40	774	-.01	26	45
21-20-0002	7391547	1261857	4-69	1	305	16,200	3.90	631	17	14,020	3.62	508	1-72		36	590	.08	33	45
21-20-0003	7116837	1348259	11-67	2	305	22,315	3.28	733	17	17,295	3.54	612	3-71		40	805	-.03	24	44
21-20-0030	6186176	1085978	9-64	5	305	19,454	3.40	661	12	15,830	3.53	559	8-71		44	891	-.04	26	48
21-20-0063	7301367	1419528	1-69	1	305	19,410	3.46	672	31	13,840	3.65	505	10-71		36	674	.01	26	42
21-20-0064	6938072	1261857	7-67	2	305	23,595	3.10	732	32	16,385	3.56	583	5-71		40	1,157	-.02	39	67
21-20-0064	6971821	1348259	11-67	2	305	20,920	3.49	731	26	15,345	3.69	566	11-71		40	841	-.02	28	48
21-20-0064	7042985	1261857	11-67	2	299	20,380	3.64	742	27	16,285	3.54	576	4-71		40	840	.06	40	58
21-20-0064	7429232	1347940	2-67	2	305	22,600	3.59	811	31	15,765	3.63	573	4-72		40	1,195	-.01	42	71
21-20-0085	6524390	1348259	11-65	4	300	17,630	3.82	673	32	14,680	3.64	534	11-71		44	619	.04	28	42
21-20-0085	6764421	1330987	10-66	3	304	17,090	3.38	578	22	13,263	3.57	473	4-71		42	716	.01	27	44
21-20-0088	5299145	1085978	11-60	5	301	22,882	3.63	831	19	17,900	3.54	634	11-71		44	1,093	.00	39	65
21-20-0088	5882655	1112211	4-63	6	301	20,933	3.33	697	21	16,355	3.59	587	8-71		44	967	-.07	24	49
21-20-0088	7002410	1348259	8-67	3	305	21,037	3.96	834	26	18,007	3.57	642	12-71		42	647	.07	34	47
21-20-0088	7519379	1427381	10-69	1	305	22,010	3.54	780	27	16,970	3.64	618	9-71		36	1,162	.03	47	74
21-20-0095	7435195	1408080	7-68	1	295	21,690	3.35	727	51	14,330	3.61	518	1-72		36	896	-.06	23	46
21-20-0126	6396109	1085978	6-65	2	304	18,895	3.85	727	13	13,805	3.51	484	6-71		40	946	.02	37	59
21-20-0129	7357289	1488558	8-67	2	305	18,825	3.27	615	25	15,225	3.30	502	6-71		38	705	.00	25	42
21-20-0156	7008403	1312008	11-67	2	301	19,095	3.60	688	22	14,345	3.45	495	10-71		40	579	.07	31	43
21-20-0161	7473700	1520161	7-69	1	305	20,710	3.49	723	40	14,060	3.48	489	11-71		32	994	.09	50	71
21-20-0161	7519377	1458744	10-69	1	305	17,150	3.66	628	40	14,300	3.49	499	10-71		36	690	.01	26	42
21-20-0173	6925063	1377691	8-67	2	305	21,790	3.56	776	37	16,970	3.45	586	7-71		40	755	.00	27	45
21-20-0192	6266997	1286934	11-64	6	305	20,532	3.88	797	40	16,175	3.52	569	1-72		43	567	.12	38	48
21-20-0192	7366144	1399824	2-69	1	305	21,000	3.88	815	40	15,220	3.68	560	11-71		36	782	.04	35	52
21-20-0192	7615142	1308101	11-69	1	305	19,710	3.23	637	21	14,870	3.71	551	2-72		36	979	-.07	25	50
21-20-0200	6790248	1389471	11-66	3	236	21,873	3.50	766	27	16,437	3.47	570	10-71		42	802	-.03	25	45
21-20-0204	6096958	1239886	1-64	3	303	22,937	3.46	794	34	16,707	3.43	573	11-71		42	866	.02	35	55
21-20-0212	5695003	1085978	4-62	7	305	20,014	3.51	703	15	17,124	3.66	627	5-71		44	813	-.04	23	43
21-20-0212	7011953	1478272	10-66	4	305	20,728	3.55	735	28	17,950	3.58	642	1-72		38	864	.01	33	53
21-20-0228	6165761	1199324	2-64	2	305	18,760	3.33	624	10	15,755	3.33	525	4-72		40	781	-.02	25	44
21-20-0228	6524207	1189870	8-63	5	299	17,806	3.81	679	25	14,028	3.57	501	10-71		44	680	.04	31	46
21-20-0228	7310788	1427381	2-69	1	305	20,260	3.44	696	14	15,360	3.36	516	1-72		36	1,140	.04	47	73
21-20-0228	7330826	1427381	9-68	2	304	18,675	3.75	701	15	14,995	3.53	530	10-71		40	1,101	.06	49	74
21-20-0256	5949534	1239886	10-63	4	305	23,300	3.67	856	27	17,105	3.54	606	11-71		44	918	.05	41	61
21-20-0259	7595280	1427381	11-68	1	300	17,660	3.92	693	16	14,100	3.60	508	8-71		36	1,030	.07	48	71
21-20-0283	7225982	1497509	9-68	2	302	17,640	3.81	672	44	15,490	3.46	536	11-71		36	588	.07	31	43
21-20-0383	6271483	1348259	3-65	5	291	19,970	3.60	719	15	15,314	3.73	571	12-71		44	860	-.01	30	51
21-20-0532	6545422	1216957	5-65	4	304	19,143	3.46	663	14	12,660	3.63	459	2-71		44	774	.00	28	46
21-20-0536	6346867	1085978	4-65	5	304	22,538	3.40	766	27	17,742	3.43	609	1-72		44	1,067	-.04	33	59
21-20-0536	6795759	1372874	11-66	3	303	23,043	3.45	794	11	17,903	3.40	609	7-71		42	845	-.05	23	44
21-20-0536	6978635	1492241	10-67	2	291	21,240	3.40	722	23	17,725	3.49	619	9-71		36	759	-.03	23	42
21-20-0615	5441277	1189870	9-61	7	300	20,730	3.26	675	33	14,926	3.53	527	12-71		44	953	-.04	28	52
21-20-0615	6689657	1448053	10-66	3	305	18,613	4.02	749	24	14,943	3.75	561	6-71		33	710	.07	36	51
21-20-0615	6835265	1469521	3-66	2	305	21,615	3.35	725	22	15,440	3.53	545	1-72		29	778	-.03	24	43
21-20-0615	7828276	1387978	5-69	1	305	21,520	2.82	607	21	15,430	3.58	552	2-72		36	891	-.09	19	43
21-20-0913	7257545	1273756	7-68	2	305	19,755	3.52	696	18	16,455	3.56	585	2-72		40	673	.02	27	43
21-21-0048	7006503	1458744	9-67	3	302	19,376	3.59	695	20	16,020	3.56	571	3-72		42	839	.03	30	50
21-21-0094	6682135	1278644	12-66	3	305	20,610	3.27	674	29	15,880	3.57	567	4-71		42	889	-.09	18	42
21-21-0094	7450496	1464901	10-69	1	305	17,740	3.63	644	27	15,820	3.65	578	12-71		33	788	-.02	26	45
21-21-0103	5068295	1010936	3-60	9	295	20,143	3.58	721	23	15,761	3.65	576	2-71	B	44	742	.01	28	45
21-21-0111	7346884	1427381	10-68	1	305	20,230	3.96	802	23	15,800	3.66	578	2-71		36	1,108	.07	51	75
21-21-0111	7369355	1427381	3-69	1	305	17,930	3.36	603	19	15,940	3.66	583	3-72		36	927	.02	36	53
21-21-0114	7219214	1404202	10-68	2	283	19,455	3.99	776	30	14,120	3.65	515	10-71	B	40	895	-.01	31	53
21-21-0151	6651921	1221835	6-66	3	305	20,437	3.46	707	30	15,153	3.68	557	6-71		42	856	-.04	25	46
21-21-0239	6858358	1239242	2-66	4	299	22,413	3.19	714	21	15,373	3.77	579	12-71		44	1,032	-.10	22	49
21-21-0239	7544887	1464901	12-69	1	305	18,430	3.72	685	15	14,560	3.91	570	4-72		33	932	-.02	30	53
21-21-0248	5924358	1405957	11-63	6	301	20,391	3.44	701	33	15,136	3.63	549	10-71		36	1,080	-.04	33	60
21-21-0248	6030943	1405957	1-64	5	305	18,058	3.69	667	37	15,200	3.62	550	9-71		36	723	.01	28	45
21-21-0248	6093515	1405957	3-64	6	298	18,721	3.89	728	38	15,720	3.59	565	1-72		36	752	.05	35	51
21-21-0248	6093516	1405957	3-64	5	305	20,974	3.47	728	38	15,178	3.62	550	10-71		36	1,162	-.03	37	66
21-21-0248	7014204	1387978	12-67	2	305	19,910	3.25	648	52	15,570	3.55	553	6-71		40	856	-.05	23	45
21-21-0248	7116438	1494238	5-68	2	298	22,190	2.95	654	52	15,005	3.53	530	1-72		29	994	-.13	16	43
21-21-0248	7456830	1427381	12-69	1	305	16,560	3.29	545	41	14,580	3.56	519	3-72		36	916	.02	36	57
21-21-0259	6271185	1085978	12-64	6	305	19,603	3.64	713	34	17,458	3.59	627	3-72		44	722	-.01	24	42
21-21-0259	6290211	1312008	1-65	5	296	22,708	3.50	795	15	16,692	3.67	613	6-71		44	896	.02	35	56
21-21-0259	6311070	1085978	2-65	5	298	20,348	3.66	745	21	16,950	3.67	622	6-71		44	877	-.02	29	50
21-21-0259	7165757	1348259	4-68	2	305	22,825	3.54	809	42	18,215	3.41	622	12-71		40	772	.02	31	49
21-21-0271	6878576	1437921	10-65	4	305	19,865	3.22	639	14	14,083	3.68	518	6-71		33	1,026	-.10	22	49
21-21-0285	6992661	1278644	7-66	4	305	20,955	3.49	732	68	14,870	3.73	555	11-71		44	1,078	-.08	27	55
21-21-0297	7250010	1458744	10-68	2	297	21,585	3.21	693	24	18,460	3.42	632	11-71		40	808	-.04	23	43
21-21-0297	7582512	1464901	12-69	1	305	18,580	3.65	679	16	16,660	3.56	593	4-72		33	795	.00	28	47
21-21-0306	6229673	1400999	11-64	4	297	16,985	4.24	721	36	13,207	3.68	486	11-70		35	529	.12	37	46

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C O	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
21-21-0306	6941763	1420906	9-67	2	305	19,915	3.66	728	32	13,700	3.71	508	1-71		30	743	.02	30	$ 47
21-21-0306	7409374	1427381	8-69	1	305	21,120	3.06	647	31	14,760	3.63	536	11-71		36	1,244	-.02	42	72
21-21-0309	7091327	1377954	10-67	3	304	20,350	3.39	689	22	15,183	3.59	545	10-71		42	945	-.02	31	54
21-21-0352	6683302	1411801	1-64	4	305	18,933	3.42	648	18	13,455	3.57	481	11-71		35	847	-.04	24	45
21-21-0359	7283442	1261857	12-67	2	293	16,640	3.70	615	16	12,880	3.58	461	5-71		40	771	.07	38	55
21-21-0374	6560001	1464899	3-66	2	305	20,555	4.00	823	13	14,615	3.61	527	3-72		25	754	.07	38	54
21-21-0411	6499005	1312008	4-64	6	305	19,432	3.86	750	18	15,813	3.62	573	2-72		44	576	.09	34	45
21-21-0427	6430673	1221835	8-65	4	305	17,903	3.58	641	21	13,915	3.56	496	4-71		44	721	-.01	25	42
21-21-0427	6777278	1462063	2-66	4	305	20,645	2.98	616	14	13,270	3.56	473	7-71		33	1,064	-.13	18	47
21-21-0430	6514727	1245520	4-65	4	305	20,638	3.28	676	26	13,775	3.51	484	7-71		44	1,074	-.08	27	55
21-21-0430	6769175	1348259	3-66	4	303	18,523	3.36	622	21	14,040	3.60	506	4-72		44	800	-.03	25	45
21-21-0448	6392196	1377954	9-65	4	305	19,923	3.92	780	22	16,043	3.72	597	8-71		44	833	.05	37	56
21-21-0448	6695178	1468937	10-66	3	305	19,920	3.40	677	34	16,543	3.57	591	1-72		38	881	-.04	25	47
21-21-0448	6840178	1261857	2-67	3	302	23,200	3.63	841	30	16,550	3.60	596	11-71		42	1,181	.05	51	78
21-21-0508	6186689	1085978	7-64	5	305	21,954	3.21	704	17	17,084	3.27	559	2-71		44	1,068	-.05	31	58
21-21-0508	6186690	1085978	8-64	5	305	25,836	3.44	889	14	18,034	3.25	586	1-71		44	1,459	.00	52	87
21-21-0508	7336362	1377691	5-69	1	186	25,750	2.61	672	15	16,660	3.31	552	9-71	8	36	949	-.12	16	42
21-21-0541	7370070	1387978	4-69	1	305	20,380	3.94	802	7	17,540	3.58	628	11-71		36	664	.03	28	43
21-21-0541	7596032	1458744	1-70	1	285	20,180	3.86	779	14	16,310	3.58	584	2-72		36	781	.02	31	49
21-21-0556	6358456	1457218	8-65	4	305	19,285	3.70	714	20	15,333	3.61	554	12-71		34	711	.03	30	46
21-21-0556	6825718	1458744	1-67	3	232	17,223	3.79	653	20	14,806	3.61	534	1-72	8	42	718	.02	29	46
21-21-0559	7299517	1404202	11-68	2	305	22,735	3.31	752	22	17,475	3.70	647	2-72		40	921	-.11	17	42
21-21-0572	6277987	1085978	1-65	2	305	22,405	3.21	719	8	18,145	3.40	617	3-72		40	906	-.06	24	47
21-21-0586	6464145	1221835	11-65	4	305	19,520	3.53	689	10	15,528	3.56	553	12-71		44	741	-.02	24	42
21-21-0586	6473605	1348259	9-65	5	301	20,958	3.59	752	10	15,714	3.65	574	1-72		44	941	-.01	33	56
21-21-0586	7114583	1372874	3-68	2	305	22,835	3.32	759	17	16,510	3.53	583	1-72		40	884	-.08	19	42
21-21-0589	6693251	1458744	9-66	2	305	18,355	2.94	540	22	13,485	3.56	480	8-70		40	935	-.08	21	46
21-21-0630	7802120	1419528	12-69	1	302	17,780	3.79	673	21	12,800	3.50	448	3-72		36	622	.05	30	43
21-21-0645	6939432	1368763	1-66	4	304	21,268	3.45	734	16	15,385	3.42	526	4-71		44	830	-.05	22	43
21-21-0647	6836569	1442431	2-67	3	305	20,960	3.40	712	20	15,063	3.59	541	9-71		41	821	-.06	21	42
21-21-0647	7527666	1493643	8-69	1	305	23,360	2.91	679	33	15,290	3.48	532	10-71		34	1,027	-.13	17	45
21-21-0773	6911326	1312008	4-67	2	305	20,050	3.89	780	40	15,880	3.44	547	1-71		40	536	.10	35	45
21-21-0773	7517749	1499133	1-69	1	305	23,980	3.48	834	28	18,140	3.38	613	3-72		33	1,233	-.05	36	67
21-21-0820	6301281	1085978	5-65	5	301	19,810	3.54	702	47	15,140	3.51	532	11-71		44	1,017	-.02	34	59
21-21-0820	6967864	1418927	11-67	2	305	23,510	3.28	771	43	15,080	3.57	538	11-71		40	996	-.04	30	55
21-21-0883	6396299	1417208	10-65	3	305	18,900	3.66	691	15	15,593	3.54	552	2-71		42	767	.02	31	49
21-21-0914	6042240	1244009	10-63	7	305	19,611	3.29	645	12	15,737	3.47	546	2-72		44	908	-.06	23	46
21-21-0914	6919779	1399824	10-67	2	305	20,270	3.73	756	19	15,240	3.39	517	8-71		40	844	.06	39	58
21-21-0914	7382858	010275932	7-69	1	305	25,680	2.98	764	11	16,610	3.34	555	1-72		36	823	-.04	24	45
21-21-0914	7464410	1387978	8-69	1	305	18,410	4.08	752	9	16,070	3.37	542	10-71		36	616	.05	30	43
21-22-0005	6708817	1278644	11-65	5	304	20,712	3.43	710	23	16,260	3.63	591	11-71		44	915	-.08	21	45
21-22-0024	6982918	1458744	10-67	2	221	23,900	3.45	825	13	15,970	3.50	559	1-72	8	40	1,271	-.02	43	74
21-22-0045	5800075	1239886	2-63	2	305	21,725	4.15	901	15	17,760	3.67	651	8-71		40	564	.10	36	47
21-22-0045	6934434	1348259	9-67	2	305	23,265	3.71	864	16	18,805	3.69	694	11-71		40	763	.02	30	48
21-22-0045	7038555	1348259	3-68	2	302	22,395	3.60	806	18	16,830	3.67	617	5-71		40	855	.00	31	51
21-22-0045	7188268	1349319	12-68	2	305	24,255	3.78	918	17	19,170	3.66	701	1-72		40	692	.01	26	42
21-22-0045	7188269	1408080	9-68	2	298	23,410	3.39	793	17	18,470	3.71	685	9-71		40	870	-.07	20	[illegible]3
21-22-0045	7206710	1404202	10-68	2	299	23,655	3.67	867	16	19,145	3.62	693	12-71		40	862	-.05	24	46
21-22-0112	6014543	1242163	12-62	4	284	21,308	3.30	704	10	15,215	3.61	549	5-71		44	1,089	-.15	16	46
21-22-0112	6014545	1356573	4-62	4	305	22,455	3.39	761	11	15,273	3.55	542	4-72		35	1,208	-.04	37	67
21-22-0112	7684415	1458744	7-69	1	305	19,220	3.43	660	16	15,330	3.55	544	3-72		36	776	-.02	25	44
21-22-0148	6887560	1261857	8-67	3	295	19,433	3.36	652	35	16,107	3.41	550	12-71		42	794	.04	34	52
21-22-0150	5318427	1085978	4-61	6	303	17,053	3.64	621	21	13,733	3.58	492	2-71		44	825	-.01	28	48
21-22-0150	5788196	1085978	11-62	7	301	16,203	3.77	611	22	13,611	3.58	487	4-72		44	730	.00	27	44
21-22-0150	7064747	1458744	1-68	2	305	18,225	3.62	660	18	15,090	3.64	550	7-71		40	775	-.01	27	46
21-22-0201	7396742	010292883	5-67	2	292	19,755	4.19	827	45	15,155	3.58	542	1-72		30	416	.14	36	42
21-22-0201	7415557	1419528	9-68	2	305	19,080	3.64	694	44	14,940	3.67	548	2-72		40	674	.02	28	43
21-22-0201	7436375	1500404	11-69	1	305	22,050	3.36	741	43	14,620	3.56	520	11-71		34	921	-.10	18	43
21-22-0201	7637671	010287171	12-67	2	301	20,405	3.47	709	40	13,220	3.66	484	8-71		39	1,037	-.07	27	54
21-22-0203	6477384	1221835	10-65	5	297	19,148	3.68	704	9	14,092	3.64	513	2-72		44	879	.00	31	52
21-22-0203	7145167	1347940	8-67	2	302	16,010	4.24	679	7	13,545	3.67	497	11-71		40	729	.06	36	52
21-22-0203	7296636	1427381	1-69	1	305	15,970	3.59	573	14	10,820	3.72	402	7-71		36	1,124	.04	46	72
21-22-0203	7464406	1399824	4-69	1	305	17,610	3.92	690	8	12,770	3.82	488	11-71		36	694	.04	31	46
21-22-0233	7138338	1494507	7-68	2	305	26,605	3.62	962	9	17,305	3.71	642	4-72		39	944	-.01	32	55
21-22-0237	6059025	1199324	1-64	5	261	18,410	3.66	674	19	16,250	3.70	602	1-71	8	44	733	-.02	24	42
21-22-0328	5814320	1394342	1-63	5	296	20,666	3.62	748	14	15,694	3.69	579	5-71		32	809	-.01	28	47
21-22-0328	6760103	1458744	9-66	3	305	18,486	3.77	697	28	15,206	3.55	540	4-72		42	821	.02	33	52
21-22-0328	7254951	1447141	12-68	1	305	21,860	3.62	791	20	15,480	3.84	595	9-71		36	726	.04	32	48
21-22-0328	7604074	1516004	9-69	1	305	19,710	4.01	790	14	15,710	3.72	584	3-72		25	661	.03	28	43
21-22-0580	5910031	1239886	8-63	6	303	21,433	3.74	802	31	14,865	3.70	550	1-72		44	972	.05	42	64
21-22-0580	7326443	1458744	12-68	1	305	19,900	3.92	781	20	14,250	3.71	528	6-71		36	899	.02	35	55
21-22-0581	7135161	1458744	12-67	2	305	24,045	3.12	751	8	16,225	3.57	580	4-71		40	1,262	-.08	33	65
21-22-0581	7319524	1458744	1-69	1	305	22,860	3.61	825	14	15,510	3.47	538	6-71		36	1,035	.00	38	63
21-22-0581	7444431	1458744	9-69	1	305	20,410	3.58	731	13	16,670	3.56	593	11-71		36	774	-.01	27	46
21-22-0583	5866106	1085978	3-63	6	302	19,133	3.47	664	25	14,897	3.57	532	10-71		44	958	-.04	29	53
21-23-0015	6117876	1386942	11-62	7	304	20,993	3.30	692	23	15,534	3.52	547	12-71		35	815	-.05	22	43
21-23-0060	6793901	1261857	10-66	3	305	17,457	3.69	645	22	14,257	3.51	500	1-72		42	758	.08	39	55
21-23-0095	6909075	1312008	2-66	4	304	21,020	3.66	769	26	16,620	3.65	606	5-71		44	663	.05	32	46
21-23-0095	6909084	1085978	10-67	3	295	21,680	3.42	742	36	16,623	3.76	625	10-71		42	1,027	-.07	27	53
21-23-0095	7427657	1347940	8-68	2	298	20,355	3.57	727	29	15,715	3.74	587	8-71		40	972	-.02	32	56
21-23-0095	7481941	1404202	9-69	1	305	22,720	3.61	820	29	16,770	3.54	593	1-72		36	840	-.05	22	43
21-23-0135	6943401	1237057	10-67	2	305	21,295	3.16	673	19	15,505	3.39	526	1-71		40	878	-.08	20	43
21-23-0135	7238825	1427381	1-69	1	305	18,700	3.55	663	23	15,940	3.11	495	6-71		36	984	.07	46	68
21-23-0135	7458479	1427381	4-69	1	305	21,990	3.26	717	29	15,130	3.31	501	10-71		36	1,284	.02	50	80
21-23-0135	7458480	1427381	7-69	1	305	20,340	3.55	722	34	15,750	3.38	533	11-71		36	1,119	.05	48	73

TABLE 3. HOLSTEIN USDA-OHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C O	REPT (%)	.......C O W MILK (LB)	I N D E X....... FAT (%)	FAT (LB)	DOL-LARS
21-23-0135	7462347	1427381	11-69	1	305	22,340	2.74	612	36	15,880	3.39	539	12-71		36	1,260	-.04	39	$ 70
21-23-0135	7502533	1427381	8-69	1	305	19,820	3.25	645	29	15,130	3.31	501	10-71		36	1,122	.02	44	70
21-23-0135	-7502534	1427381	10-69	1	305	18,530	3.34	618	36	15,880	3.39	539	12-71		36	976	.03	40	62
21-23-0135	7656759	1427381	11-69	1	305	18,460	3.00	553	29	15,130	3.31	501	10-71		36	1,021	.01	38	62
21-23-0150	7004889	1348259	2-68	2	305	20,005	3.45	690	96	14,555	3.52	513	8-71		40	821	.00	29	49
21-23-0150	7035250	1278644	11-67	1	305	19,380	3.82	741	88	13,880	3.65	507	11-70		36	767	-.03	23	42
21-23-0162	5956673	1240125	11-63	7	302	18,103	3.54	641	41	14,309	3.59	514	11-71		44	749	-.01	25	43
21-23-0189	7456997	1427381	10-69	1	305	17,220	3.27	563	19	15,190	3.36	510	1-72		36	924	.03	38	59
21-23-0201	6220508	1085978	11-64	5	305	17,792	4.09	727	16	14,938	3.68	549	5-71		44	781	.05	35	52
21-23-0201	6691326	1312008	12-66	3	301	21,453	3.19	684	18	15,720	3.63	571	2-72		42	768	-.02	24	43
21-23-0201	7247068	1499133	8-68	2	305	17,545	3.31	581	16	15,045	3.68	554	12-71		37	964	-.09	21	46
21-23-0201	7565549	1529721	2-70	1	305	25,690	3.03	779	9	15,610	3.78	590	3-72		31	1,083	-.12	21	50
21-23-0218	7372449	1399283	2-69	1	305	23,100	3.35	774	38	15,620	3.59	560	6-71		36	834	-.06	21	42
21-23-0218	7374376	1427381	7-69	1	305	21,410	3.26	698	57	15,790	3.48	550	8-71		36	1,196	.01	45	73
21-23-0245	7326080	1427381	1-69	1	305	21,940	3.68	808	23	14,200	3.65	519	9-71		36	1,342	.04	55	86
21-23-0245	7805835	1427381	6-69	1	305	19,020	4.01	763	24	14,920	3.69	550	10-71		36	1,077	.07	50	74
21-23-0245	7805836	1427381	8-69	1	301	16,700	4.10	684	19	14,860	3.69	549	3-72		36	908	.07	44	64
21-23-0256	6352864	1085978	11-63	4	305	19,768	3.58	707	11	16,480	3.50	576	8-71		44	843	-.01	29	49
21-23-0256	7305705	1085978	4-69	1	293	22,510	3.79	854	29	15,830	3.51	556	11-71		36	971	.01	36	59
21-23-0256	7365946	1261857	6-67	3	303	20,307	3.29	668	22	16,567	3.55	588	10-71		42	846	.01	32	52
21-23-0268	7048353	1348259	3-68	2	305	19,340	3.46	670	16	15,070	3.51	529	2-72		40	706	.00	25	42
21-23-0268	7388800	1520161	7-69	1	305	20,420	3.56	727	18	15,320	3.43	526	1-72		32	880	.11	48	66
21-23-0490	6310175	1438006	9-64	6	305	22,045	4.06	894	27	17,487	3.52	615	2-72		42	963	.13	54	73
21-23-0490	6984780	1404202	4-67	2	305	23,835	3.16	752	27	17,795	3.56	633	2-71		40	1,004	-.12	18	45
21-23-0491	6746643	1348259	9-66	3	305	20,490	3.75	768	27	15,073	3.72	560	3-71		42	888	.02	35	56
21-23-0590	7498447	1427381	9-69	1	295	20,820	3.65	760	47	17,150	3.46	593	9-71		36	1,061	.06	47	71
21-23-0810	6837007	1479593	6-67	3	305	22,523	3.33	750	31	16,953	3.45	585	10-71		39	1,013	-.05	29	54
21-23-0810	6898157	1492241	9-67	2	305	23,920	3.23	772	32	17,165	3.41	586	9-71		36	1,101	-.05	32	60
21-23-0811	5942291	1413297	6-63	5	305	19,412	3.42	663	40	15,304	3.57	546	7-71		36	789	-.04	23	43
21-23-0811	6429100	1401559	7-65	4	305	22,403	3.41	763	42	15,973	3.59	574	12-71		37	1,113	-.07	30	58
21-23-0811	6429110	1401559	9-65	4	305	20,673	3.34	691	53	15,543	3.59	558	8-71		37	926	-.07	22	46
21-23-0811	6429133	1389471	7-65	4	305	20,613	3.53	727	49	15,648	3.49	546	8-71		44	778	-.02	25	44
21-23-0811	6565016	1401559	3-66	4	305	19,768	3.53	698	35	15,568	3.55	553	7-71		37	797	-.04	23	43
21-23-0811	7237769	1510509	7-68	1	305	24,920	3.05	761	45	16,890	3.51	592	6-71		23	930	-.07	23	47
21-23-0811	7476083	1458744	10-69	1	305	22,170	3.68	815	39	17,750	3.63	645	2-72		36	833	.00	30	50
21-23-0814	6584742	1222994	3-66	3	305	18,237	3.61	658	24	13,850	3.78	524	6-71		42	763	-.01	26	44
21-23-0814	6938062	1484116	9-67	2	305	18,595	3.48	647	23	14,215	3.74	532	5-71		36	705	.00	26	43
21-23-0814	6938063	1484116	9-67	2	305	22,655	3.36	762	25	13,840	3.79	525	6-71		36	1,178	-.02	39	68
21-23-0814	7195504	1505429	10-68	1	305	23,800	3.30	786	16	14,490	3.66	530	1-72		29	900	-.07	22	45
21-23-0937	7173483	1485907	8-68	1	285	19,580	4.30	842	24	15,540	3.47	539	9-71		22	499	.10	33	42
21-24-0016	7056406	1261857	8-67	3	297	18,087	3.64	658	18	15,923	3.67	585	9-71		42	658	.05	31	45
21-24-0029	7204189	1312008	10-68	1	305	25,390	3.49	887	8	16,710	3.57	596	3-71		36	767	.04	34	51
21-24-0029	7204191	1516360	12-68	1	305	19,470	3.88	755	10	17,150	3.67	629	2-71		33	721	.03	30	46
21-24-0047	7081383	1386406	2-68	2	305	19,925	3.76	749	72	14,145	3.70	523	2-72		40	827	.03	34	53
21-24-0047	7146848	1492238	8-68	1	305	23,740	3.29	781	69	15,020	3.70	555	1-71		32	926	-.06	24	48
21-24-0047	7176442	1377691	6-68	2	305	19,215	3.74	718	74	14,150	3.71	525	1-72		40	751	-.01	26	44
21-24-0048	7014800	1458744	1-68	2	305	19,230	3.49	672	30	15,840	3.57	566	4-72		40	809	-.01	27	47
21-24-0058	7063766	1377691	2-68	2	305	20,805	3.03	630	15	14,325	3.50	502	7-71		40	896	-.08	20	44
21-24-0061	5861542	1221835	3-63	5	305	19,860	3.47	690	32	15,436	3.39	524	2-71		44	815	-.01	28	48
21-24-0090	6745882	1417208	12-66	3	305	21,850	3.39	740	39	16,733	3.88	649	2-72		42	989	-.06	27	52
21-24-0090	6900328	1417208	1-67	3	305	19,853	3.54	702	45	16,830	3.84	646	11-71		42	749	-.03	23	42
21-24-0090	7146592	1498287	1-68	2	305	22,745	3.94	896	38	17,075	3.80	649	1-72		30	774	.04	34	51
21-24-0090	7146604	1427381	9-68	2	305	20,190	3.55	716	43	16,925	3.79	642	12-71		40	1,078	.01	41	66
21-24-0090	7263132	1458744	1-68	2	305	22,105	3.16	698	46	16,655	3.83	638	11-71		40	1,026	-.09	23	50
21-24-0090	7263133	1427381	1-69	1	305	25,120	3.82	959	44	16,450	3.87	637	11-71		36	1,429	.05	59	92
21-24-0090	7824574	1427381	8-69	1	305	18,430	3.77	694	45	16,630	3.81	634	10-71		36	918	.04	39	60
21-24-0093	7472279	1347940	12-69	1	299	19,990	3.28	655	7	16,710	3.38	565	2-72		36	780	-.01	26	45
21-24-0125	7145462	1427381	9-68	2	305	19,185	4.03	774	50	16,145	3.65	590	11-71		40	1,048	.09	51	74
21-24-0125	7159634	1427381	9-68	2	301	18,320	3.60	660	45	15,760	3.65	576	10-71		40	995	.03	41	64
21-24-0130	7148375	1458744	9-67	2	305	20,525	3.43	704	17	15,085	3.78	570	4-71		40	1,009	-.05	29	54
21-24-0130	7172451	1377691	7-68	2	305	20,010	3.58	717	39	14,875	3.73	555	12-71		40	765	-.02	24	43
21-24-0130	7317945	1458744	8-68	1	305	20,000	3.86	772	10	13,670	3.56	487	7-71		36	945	.02	37	59
21-24-0130	7317947	1458744	9-68	1	305	19,400	3.42	663	22	14,350	3.73	535	9-71		36	855	-.03	26	47
21-24-0130	7317950	1458744	11-68	2	305	21,080	3.99	841	36	14,735	3.71	546	11-71		40	1,097	.04	46	71
21-24-0130	7317952	1458744	1-69	1	305	18,480	3.40	629	22	14,350	3.73	535	9-71		36	786	-.04	23	43
21-24-0239	7288310	1516360	2-69	1	305	19,600	3.52	689	28	15,450	3.57	552	7-71		33	850	.00	30	50
21-24-0312	7146692	1473048	7-68	2	305	22,435	3.26	731	18	15,435	3.62	559	3-72		38	994	-.12	18	45
21-24-0333	6610384	1458744	8-66	3	257	17,850	3.60	643	33	14,393	3.61	519	11-71		42	832	-.01	29	49
21-24-0333	6783061	1458744	2-67	1	305	16,920	3.70	626	22	13,420	3.40	456	8-71		36	732	.02	29	46
21-24-0333	7315075	1458744	4-69	1	305	16,030	3.47	556	21	11,220	3.62	406	3-72		36	813	-.02	27	47
21-24-0337	6392534	1427990	7-65	5	305	21,762	3.51	764	28	16,586	3.50	581	10-71		36	944	-.02	31	54
21-24-0337	7169428	1399283	8-68	1	305	22,660	3.48	788	36	15,810	3.45	545	8-70		36	789	-.04	23	43
21-24-0350	6431301	1426208	8-65	5	295	21,834	3.32	725	29	17,222	3.46	596	12-71		41	808	-.02	26	46
21-24-0357	7132955	1458744	8-68	2	305	18,625	3.02	562	11	15,145	3.31	502	7-71		40	811	-.05	21	42
21-24-0361	6187971	1440547	12-64	4	305	19,197	3.67	704	10	15,565	3.50	544	6-71		37	560	.07	31	42
21-24-0361	7499922	1427381	10-69	1	305	18,500	3.25	601	37	16,810	3.40	571	11-71		36	911	.02	36	57
21-24-0380	7271064	1504175	11-68	1	305	25,800	3.47	894	19	17,270	3.54	611	7-71		19	838	-.01	28	48
21-24-0380	7314353	010275932	7-67	3	305	23,120	3.26	754	15	16,633	3.51	583	10-71		42	891	-.03	28	50
21-24-0380	7467458	1427381	8-69	1	305	20,960	3.74	783	20	19,050	3.44	655	1-72		36	944	.06	44	65
21-24-0384	6601994	1278644	3-66	3	264	21,846	3.53	772	36	18,083	3.45	624	2-71	B	42	803	-.04	23	43
21-24-0384	7252856	1387978	11-68	1	164	23,180	3.82	886	36	17,770	3.32	590	2-71	B	36	857	.04	37	56
21-24-0398	6393891	1308429	10-65	4	300	21,513	3.48	748	16	15,593	3.57	557	1-72		44	912	-.06	24	47
21-24-0398	6445052	1428649	6-65	4	305	20,260	4.00	811	28	15,067	3.58	539	10-70		41	825	.03	34	53
21-24-0398	6586174	1368763	2-66	3	305	23,033	3.73	858	17	15,643	3.41	533	10-71		42	958	-.01	33	56
21-24-0398	7105336	010275932	9-66	3	284	19,563	3.92	766	17	15,037	3.48	524	1-72		42	647	.08	35	48

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C D	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
21-24-0403	7624003	1427381	10-69	1	305	21,000	2.97	624	18	17,810	3.34	595	2-72		36	1,030	.00	37	$ 62
21-24-0405	6673152	1348259	11-66	3	305	18,300	3.66	669	10	14,457	3.69	533	2-71		42	700	.01	26	43
21-24-0414	6904350	1278644	11-66	4	303	21,480	3.39	728	10	16,272	3.71	603	4-72		44	987	-.09	21	47
21-24-0436	6266135	1085978	11-64	2	305	19,870	3.76	748	11	16,640	3.49	580	1-72		40	786	.02	31	49
21-24-0436	6421889	1085978	5-65	2	305	20,700	3.43	711	13	16,750	3.45	578	11-71		40	860	-.03	27	48
21-24-0436	7297242	1377691	6-67	2	305	22,280	2.90	647	5	15,035	3.68	553	6-71		40	981	-.12	17	44
21-24-0460	6475324	1268087	10-65	4	283	21,493	3.83	824	36	16,098	3.64	586	8-71		44	659	.05	32	46
21-24-0460	6625289	1406271	5-66	4	280	16,178	3.93	636	19	14,593	3.60	525	4-72		44	560	.08	32	43
21-24-0460	7244303	1348259	11-68	1	305	21,750	3.31	719	48	15,850	3.43	543	6-71		36	733	-.01	25	43
21-24-0460	7598077	1348259	6-69	1	305	24,540	2.97	730	57	14,760	3.40	502	11-71		36	1,014	-.06	28	54
21-24-0460	7853742	1426616	8-69	1	305	17,420	3.69	642	47	14,170	3.23	457	1-72		33	658	.03	28	43
21-24-0491	6315854	1441440	2-65	4	305	21,000	3.26	684	21	15,040	3.58	538	10-71		44	1,093	-.03	34	61
21-24-0491	6368023	1244845	6-65	4	305	20,928	3.46	725	27	16,215	3.42	554	3-71		44	803	-.03	25	45
21-24-0491	6420803	1348259	11-65	4	304	19,423	3.95	767	34	15,980	3.45	552	12-71		44	696	.08	37	51
21-24-0491	6454866	1348259	1-66	4	305	19,615	3.82	750	30	16,513	3.45	569	10-71		44	660	.06	33	47
21-24-0491	7023075	1458744	2-68	2	299	20,640	3.64	751	31	17,935	3.42	614	12-71		40	760	.02	30	48
21-24-0491	7290797	1419528	11-68	1	303	23,040	3.80	875	40	17,190	3.40	584	9-71		36	720	.06	35	51
21-24-0495	6601207	1282596	9-66	3	298	25,083	3.46	867	17	18,760	3.74	701	4-71		42	883	-.06	22	45
21-24-0495	6688515	1278644	11-66	4	305	22,747	3.61	821	23	19,340	3.62	700	2-72		44	803	-.05	22	42
21-24-0495	6916114	1491164	11-67	3	300	25,363	3.41	865	27	19,870	3.60	715	11-71		29	861	-.05	24	46
21-24-0495	7372946	1520161	7-69	1	305	24,090	3.75	904	38	19,900	3.57	710	9-71	H	32	844	.12	49	66
21-24-0495	7372947	1520161	8-69	1	305	27,300	3.34	911	38	19,900	3.57	710	9-71		32	1,100	.06	49	74
21-24-0495	7394548	1520161	8-69	1	305	24,550	4.06	997	38	19,900	3.57	710	9-71		32	880	.16	56	73
21-24-0495	7487227	1520161	2-70	1	305	21,010	4.34	912	18	18,340	3.62	664	3-72		32	709	.18	53	65
21-24-0630	7203177	1427381	1-69	1	305	19,580	3.33	652	11	13,610	3.64	496	12-71		36	1,206	.01	45	73
21-24-0657	5729665	1367326	9-62	7	305	17,307	3.74	648	46	13,757	3.48	479	9-71		36	640	.05	30	44
21-24-0657	6720073	1458744	10-66	3	305	17,623	3.52	620	34	13,380	3.55	475	8-71		42	911	-.01	31	53
21-24-0657	7026783	1506133	3-68	2	296	19,095	3.59	686	45	13,390	3.50	469	2-72		25	709	.01	27	44
21-24-0661	5898415	1457718	11-65	4	305	22,735	3.46	786	23	17,108	3.74	639	3-71		34	981	-.07	25	50
21-24-0707	6725441	1494122	12-66	3	305	21,430	3.44	737	14	14,147	3.67	519	8-71		32	1,113	-.04	34	62
21-24-0876	7030324	1458744	3-68	2	305	15,910	4.22	672	11	13,355	3.56	476	7-71		40	699	.06	35	50
21-24-0894	6186546	1278644	10-64	6	305	22,645	3.22	729	75	15,813	3.64	575	11-71		44	1,216	-.12	25	57
21-24-0894	6838369	1278644	12-66	2	305	23,210	3.36	779	67	17,095	3.71	635	12-70		40	988	-.10	21	47
21-24-0933	6374551	1085978	8-65	4	305	21,075	3.40	716	44	16,133	3.76	606	8-71		44	1,043	-.07	27	54
21-24-0933	7381835	1427381	8-69	1	305	23,280	3.39	789	35	17,880	3.58	640	1-72		35	1,196	.02	46	74
21-24-0994	7149861	1478014	2-68	2	305	18,540	3.98	737	30	15,495	3.67	568	7-71		40	578	.07	31	43
21-24-0996	5982859	1085978	9-63	5	305	17,806	3.81	678	35	13,220	3.72	492	10-71		44	982	.00	35	58
21-25-0015	6069234	1278644	12-63	5	301	18,200	3.30	600	17	13,712	3.61	495	11-70		44	886	-.09	18	42
21-25-0038	7048324	1348259	6-67	2	305	19,655	3.77	741	21	16,625	3.33	554	10-71		40	596	.06	30	43
21-25-0038	7388324	1312008	6-69	1	305	23,590	3.81	899	21	16,650	3.34	556	11-71		36	637	.10	38	50
21-25-0038	7400472	1387978	7-68	1	305	21,820	2.64	577	26	15,440	3.42	528	6-71		36	912	-.10	18	42
21-25-0179	6450372	1085978	8-64	4	305	21,380	3.48	744	45	13,758	3.77	518	1-71		44	1,344	-.05	40	74
21-25-0179	6909617	1278644	1-66	4	302	18,380	3.54	651	37	13,847	3.76	521	10-71		44	874	-.07	21	44
21-25-0179	7536356	1348259	4-68	2	305	19,025	3.69	702	36	14,110	3.79	535	2-72		40	762	.00	28	46
21-25-0217	6676897	1261857	4-66	2	305	17,355	3.79	657	17	14,885	3.47	517	1-72		40	660	.09	37	50
21-25-0561	5455120	1240125	12-61	8	301	18,784	3.45	648	24	14,850	3.60	534	3-72		44	774	-.03	23	42
21-25-0791	6565694	1425137	4-66	4	305	24,615	3.17	781	22	15,395	3.61	555	1-72		44	1,193	-.09	29	60
21-25-0791	6668462	1439399	6-65	4	304	22,303	3.20	713	22	16,325	3.61	589	6-71		30	938	-.09	20	45
21-25-0791	6764144	1468951	9-66	3	305	21,783	3.49	761	21	16,690	3.63	606	6-71		29	759	-.02	24	43
21-25-0791	7243793	1458744	12-68	1	305	23,490	3.85	904	20	16,080	3.64	585	5-71		36	1,043	.02	41	65
21-25-0791	7447188	1458744	2-69	1	305	19,960	3.71	740	28	15,980	3.59	574	8-71		36	787	.00	29	46
21-25-0791	7447189	1458744	4-69	1	297	21,350	3.34	714	13	16,720	3.54	592	2-72		36	841	-.03	26	47
21-26-0017	6710863	1470294	11-66	2	305	24,180	3.48	842	53	18,325	3.61	661	11-70		30	813	-.03	24	44
21-26-0017	7219599	1427381	9-68	1	305	20,770	3.35	696	38	15,930	3.57	568	7-71		36	1,139	.02	44	71
21-26-0031	6713312	1458901	10-66	3	305	26,570	3.12	829	41	17,460	3.48	607	12-71		33	1,374	-.11	32	68
21-26-0031	7263489	1458744	10-68	1	288	18,350	3.36	617	22	13,470	3.46	466	7-71		36	835	-.02	27	47
21-26-0031	7640674	1406271	10-68	1	302	20,520	3.63	744	24	18,390	3.41	628	12-71		36	597	.06	30	43
21-26-0031	7640675	1458744	9-68	1	305	24,150	3.13	756	22	18,360	3.45	634	12-71		36	940	-.05	26	50
21-26-0041	6225718	1221835	11-64	5	303	19,806	3.34	661	40	14,840	3.61	535	2-72		44	877	-.06	23	45
21-26-0041	6763822	1244845	9-66	4	305	21,685	3.04	660	50	15,143	3.60	545	11-71		44	1,015	-.12	18	46
21-26-0041	6996473	1383311	8-67	3	305	20,777	3.78	785	48	16,033	3.52	565	1-72		42	650	.03	28	43
21-26-0041	7059294	1458744	6-68	2	293	19,260	3.88	748	38	16,840	3.52	593	1-72		40	720	.04	32	48
21-26-0041	7221315	1427381	11-68	1	305	20,920	3.45	722	59	16,380	3.60	589	9-71		36	1,120	.02	44	70
21-26-0041	7468152	1427381	8-69	1	305	22,230	3.47	771	55	16,450	3.57	587	10-71		36	1,213	.03	48	76
21-26-0054	7274061	1348259	11-68	2	305	22,735	3.06	695	55	16,740	3.41	570	1-72		40	898	-.05	24	47
21-26-0054	7274065	1516360	11-68	2	305	19,885	3.68	732	53	16,750	3.40	569	2-72		38	841	.04	36	55
21-26-0085	5968657	1085978	12-63	6	305	18,335	3.60	660	26	14,152	3.54	501	2-72		44	942	-.01	32	55
21-26-0085	6767961	1348259	2-67	3	305	17,473	4.07	712	13	14,450	3.45	499	10-71		42	605	.09	35	47
21-26-0096	6272231	1085978	11-64	5	300	17,112	3.73	639	13	14,446	3.57	515	4-72		44	750	.01	28	46
21-26-0127	6230562	1430124	9-64	3	305	20,987	3.80	798	28	16,620	3.62	602	4-71		31	646	.04	30	44
21-26-0194	6517752	1278644	3-66	4	301	20,725	3.31	686	14	16,065	3.65	586	11-71		44	917	-.10	18	43
21-26-0194	6877645	1278644	8-67	1	305	22,530	3.71	835	15	17,040	3.54	603	9-70		36	790	-.04	23	43
21-26-0267	7150921	1458744	7-68	1	233	18,330	3.77	691	13	15,730	3.60	566	2-71	B	36	682	.01	26	42
21-26-0273	6904343	1458744	11-67	2	305	18,280	3.24	592	15	14,495	3.54	513	10-71		40	835	-.05	23	44
21-26-0275	5451378	1319666	10-61	7	305	21,971	3.77	828	17	16,010	3.64	583	6-71		38	856	-.01	30	51
21-26-0275	5552512	1189870	1-62	4	297	22,670	3.57	809	21	16,138	3.81	615	2-71		44	1,028	-.03	33	58
21-26-0275	6015395	1276654	1-64	5	305	20,184	3.85	777	23	15,208	3.57	543	7-71		44	775	.04	34	51
21-26-0275	6359463	1406271	7-65	4	305	17,563	3.63	638	19	14,955	3.64	545	1-72		44	691	.03	30	46
21-26-0275	7099362	1347940	5-68	2	305	18,355	3.73	684	22	16,260	3.63	590	11-71		40	719	.01	28	45
21-26-0286	5649783	1239886	3-62	7	305	22,016	3.27	721	14	17,420	3.56	621	6-71		44	750	-.03	23	42
21-26-0286	6361172	1348259	4-65	4	305	23,305	3.48	811	21	18,888	3.43	648	3-71		44	852	.01	32	52
21-26-0290	6718050	1468034	1-67	2	305	20,735	4.00	830	13	14,155	3.56	504	7-71		40	609	.07	32	45
21-26-0290	6718051	1458744	11-66	3	305	19,166	3.66	702	14	15,583	3.65	569	12-71		42	860	.00	31	51
21-26-0298	6222673	1278644	12-64	5	300	20,712	3.14	651	8	15,852	3.33	528	2-71		44	962	-.09	21	46
21-26-0298	6876355	1479593	7-67	3	293	19,833	3.01	596	10	15,046	3.35	504	3-72		39	895	-.09	19	43

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C O	REPT (%)	.......C O W MILK (LB)	I N D E X....... FAT (%)	FAT (LB)	DOL-LARS
21-26-0330	6878678	1278644	5-67	3	299	20,506	3.37	692	8	14,186	3.54	502	8-71		42	1,053	-.08	26	$ 53
21-26-0330	7265394	1377691	3-69	1	305	22,590	3.55	803	5	15,100	3.69	557	5-71		36	818	-.02	26	46
21-26-0341	7604206	1494593	12-69	1	305	20,100	3.59	721	39	14,490	3.42	496	4-72		27	796	.05	36	54
21-26-0358	7400778	1387978	11-68	1	305	21,120	3.46	731	5	15,940	3.53	562	11-71		36	827	-.02	27	47
21-26-0369	6178483	1390482	7-64	5	245	20,096	4.02	808	13	15,562	3.71	578	11-71		36	627	.06	32	45
21-26-0369	6233303	1085978	1-65	3	305	17,830	3.77	673	9	15,377	3.71	570	4-72		42	714	.00	25	42
21-26-0377	5494366	1085978	1-62	1	305	18,240	3.43	626	28	13,810	3.56	492	10-71		36	788	-.04	23	43
21-26-0394	6404877	1085978	12-64	4	247	16,873	3.70	625	19	13,585	3.37	458	10-71	B	44	807	.02	32	51
21-26-0395	6627509	1085978	7-65	3	305	22,103	3.29	727	19	14,807	3.44	510	4-72		42	1,264	-.05	37	69
21-26-0399	5752757	1295523	11-62	7	305	19,826	3.81	755	12	16,413	3.63	596	10-71		44	690	.03	30	46
21-26-0406	7150924	1458744	9-68	1	305	18,890	3.56	672	14	14,190	3.55	504	8-71		36	827	-.01	29	49
21-26-0408	6295435	1167632	2-65	5	305	18,424	3.64	670	10	14,566	3.60	524	1-72		44	811	-.01	28	48
21-26-0429	7804095	1290716	7-69	1	305	15,430	4.20	648	17	9,240	3.55	328	9-71		36	423	.14	36	42
21-26-0457	6676805	1468460	10-66	3	305	20,763	3.39	704	17	14,817	3.61	535	2-72		37	1,037	-.06	28	54
21-26-0457	6857449	1261857	6-67	2	305	18,720	3.69	691	16	15,200	3.62	550	1-71		40	770	.06	37	54
21-26-0457	6993793	1261857	3-68	2	300	17,865	3.89	695	15	15,270	3.60	550	1-72		40	677	.09	38	52
21-26-0461	6222641	1239242	3-64	5	305	20,872	3.53	737	20	15,898	3.48	553	5-71		44	810	.00	29	48
21-26-0461	6846062	1377954	9-66	4	305	19,613	3.61	709	33	16,818	3.56	599	9-71		44	708	.02	28	44
21-26-0461	6846068	1261857	2-67	3	294	21,360	3.82	815	39	17,913	3.53	632	11-71		42	828	.10	45	62
21-26-0461	7114543	1261857	2-67	3	303	21,907	3.47	760	14	15,780	3.52	556	4-71		42	1,112	.04	46	71
21-26-0461	7135823	1508460	9-68	2	305	22,075	3.65	806	39	17,465	3.60	629	10-71		36	705	.00	25	42
21-26-0461	7135824	1496683	9-68	1	305	20,650	4.05	837	29	17,900	3.55	635	9-70		29	659	.05	32	46
21-26-0675	7271097	1458744	1-69	1	305	16,910	3.62	612	7	13,270	3.59	476	10-71		36	742	-.01	26	44
21-26-0741	6942079	1387978	11-67	2	301	16,100	4.02	647	14	13,710	3.58	491	11-70		40	639	.04	29	43
21-26-0741	7191962	1502447	9-68	2	305	20,410	3.20	653	21	14,020	3.54	497	10-71		29	987	-.06	26	51
21-26-0741	7321634	1502447	2-69	2	305	20,480	3.64	745	8	14,460	3.48	503	1-72		29	948	.01	36	58
21-26-0798	6245191	1418879	2-65	5	305	19,192	3.88	745	8	16,862	3.67	619	6-71		36	658	.04	30	45
21-26-0798	6490049	1418879	11-65	4	305	20,623	3.44	709	13	16,218	3.66	594	10-71		35	934	-.04	27	50
21-26-0805	6236659	1239886	8-64	6	305	24,145	3.28	793	33	19,158	3.54	678	10-71		44	823	-.02	26	46
21-26-0805	6757745	1348259	8-66	4	297	23,130	3.57	826	26	19,273	3.51	677	9-71		44	767	.02	31	49
21-26-0805	6954324	1278644	10-67	3	298	25,126	3.53	886	36	19,576	3.61	707	10-71		42	1,026	-.06	28	54
21-26-0805	7209775	1404202	12-68	2	294	24,685	3.48	860	35	20,255	3.55	719	10-71		40	865	-.07	21	43
21-26-0848	6559778	1348259	12-65	4	303	19,738	3.40	671	12	16,330	3.43	560	5-71		44	696	.00	25	42
21-26-0848	7247468	1273756	1-69	1	305	22,570	3.77	851	12	17,070	3.50	597	3-72		36	766	.06	36	53
21-26-0906	6511701	1237057	10-65	5	305	23,546	3.44	811	24	18,642	3.45	644	12-71		44	947	-.05	27	51
21-26-0906	7041373	1330987	11-67	2	305	25,290	3.46	874	24	19,090	3.44	657	1-72		40	976	.02	39	62
21-26-0906	7246217	1427381	12-68	1	305	21,650	3.77	816	29	19,040	3.41	649	11-70		36	996	.07	47	69
21-26-0906	7499210	1427381	10-69	1	305	24,600	3.29	809	30	20,080	3.46	694	10-71		36	1,146	.02	44	71
21-26-0941	6119921	1085978	6-64	3	305	27,060	3.52	952	28	17,623	3.52	621	1-71		42	1,543	-.02	52	89
21-26-0941	6765172	1348259	3-67	3	305	19,573	3.73	731	23	16,660	3.46	577	10-71		42	618	.04	29	43
21-26-0959	5502175	1085978	10-61	5	296	21,742	3.26	709	23	17,832	3.74	667	3-71	B	44	954	-.10	19	44
21-26-0975	6277880	1085978	12-64	4	305	21,240	3.36	713	14	16,033	3.56	571	10-71		44	1,074	-.06	30	57
21-26-0975	7148239	1348259	9-68	1	305	27,040	3.27	885	5	17,020	3.44	586	3-71		36	1,049	-.02	34	60
21-26-0975	7308927	1348259	2-69	1	290	22,580	3.07	694	17	15,830	3.54	560	9-71		36	796	-.04	22	42
21-28-0051	6971163	1360676	10-66	3	298	18,930	3.51	665	19	15,673	3.29	516	11-71		41	799	.03	34	52
21-28-0051	6971167	1261857	3-67	2	305	17,485	3.46	605	18	15,315	3.41	523	9-71		40	634	.05	31	45
21-28-0051	6971168	1261857	4-67	3	301	18,757	3.61	677	18	16,073	3.31	532	1-72		42	719	.09	39	54
21-28-0060	6076683	1273237	4-64	5	305	21,638	3.70	801	17	16,286	3.51	572	7-71		44	818	.00	29	49
21-28-0060	6818785	1475204	6-67	3	299	19,883	4.08	811	27	16,547	3.54	585	1-72		29	506	.10	33	42
21-28-0076	7262650	1427381	1-69	1	305	21,290	3.57	760	7	14,900	3.50	522	6-71		36	1,247	.04	52	[illegible]
21-28-0277	7422642	1408080	7-69	1	305	24,950	3.50	874	58	18,670	3.45	644	12-71		36	847	-.04	25	46
21-28-0277	7583217	1517540	8-69	1	305	21,470	4.08	875	38	16,280	3.62	589	8-71		30	523	.14	39	48
21-28-0301	6355605	1272013	8-64	6	304	22,768	3.24	737	54	17,908	3.50	626	2-72		44	903	-.09	19	43
21-28-0301	6675338	1348259	9-66	4	302	22,173	3.20	709	57	17,945	3.48	624	11-71		44	817	-.05	22	43
21-28-0301	6675348	1278644	10-66	4	304	23,940	3.22	770	32	18,632	3.49	650	4-72		44	1,029	-.10	21	48
21-28-0301	6957347	1282596	8-66	4	305	23,663	3.57	844	46	18,453	3.44	635	1-72		44	796	.00	28	47
21-28-0518	6521290	1278644	3-66	3	305	25,203	3.26	822	13	14,993	3.70	554	6-71		42	1,509	-.12	36	75
21-28-0518	6636624	1278644	8-66	3	305	20,176	3.63	732	20	15,993	3.63	581	8-71		42	828	-.05	23	44
21-28-0518	7594789	1450228	1-70	1	305	21,870	3.58	784	10	16,120	3.65	588	3-72		35	1,032	-.03	32	58
21-28-0539	6509192	1272013	7-65	5	302	20,742	3.36	697	9	15,488	3.52	545	8-71		44	923	-.07	23	47
21-28-0982	6549174	1261857	5-66	3	239	17,510	3.61	632	9	13,843	3.34	462	7-71	B	42	807	.08	41	58
21-29-0012	7542858	1427381	10-69	1	305	18,100	3.66	662	57	15,650	3.57	558	11-71		36	959	.05	42	63
21-29-0017	6253203	1438006	9-64	5	276	17,958	3.81	684	32	15,072	3.48	525	10-71		42	704	.08	37	52
21-29-0017	6464258	1347940	9-65	4	305	17,765	4.21	748	21	16,087	3.49	562	9-71		44	688	.10	40	54
21-29-0055	5531364	1378792	12-61	5	305	19,526	3.89	759	38	16,010	3.71	594	3-71		38	758	.02	30	48
21-29-0055	5746661	1378792	12-61	7	304	19,950	3.60	718	35	16,253	3.65	593	12-71		38	788	-.03	24	44
21-29-0055	6669353	1378792	5-66	4	305	20,355	3.69	752	39	15,923	3.64	580	1-72		37	868	-.01	30	51
21-29-0094	6325186	1085978	7-65	5	298	17,208	3.53	608	38	14,098	3.57	503	6-71		44	803	-.03	25	45
21-29-0123	6165852	1403116	3-64	5	305	20,298	3.34	678	18	14,886	3.69	550	10-71		35	964	-.07	24	49
21-29-0126	6379129	1438006	2-65	5	304	19,712	3.48	686	17	16,140	3.76	607	10-71		42	811	-.01	27	47
21-29-0126	6379130	1085978	4-65	4	304	19,875	4.01	796	19	15,940	3.74	596	5-71		44	916	.03	38	59
21-29-0132	7231862	1427381	11-68	1	302	17,480	4.08	714	65	15,490	3.73	578	11-71		36	924	.07	44	64
21-29-0132	7470388	1427381	4-69	1	305	20,300	3.55	721	67	15,370	3.71	570	10-71	B	36	1,142	.02	45	72
21-29-0194	6279260	1085978	11-64	5	303	18,934	3.24	613	21	14,940	3.53	527	10-71		44	928	-.07	23	47
21-29-0217	7585259	1450228	7-69	1	298	17,050	3.43	584	8	12,240	3.93	481	1-72		35	931	-.06	24	48
21-29-0269	5573794	1112211	12-61	7	305	19,774	3.25	642	9	16,077	3.42	550	9-71		44	850	-.06	22	44
21-29-0287	5326410	1189870	12-60	6	304	21,033	3.42	720	9	15,678	3.62	567	7-71		44	905	-.02	29	51
21-29-0287	6448522	1189870	5-63	3	305	23,533	3.84	903	6	18,813	3.56	670	8-71		42	798	.05	37	55
21-29-0308	6183427	1330987	7-64	6	296	17,917	3.35	600	13	14,327	3.59	515	12-71		44	741	.00	26	44
21-29-0308	6770159	1458744	2-66	3	305	18,896	3.42	647	13	14,350	3.69	529	1-71		42	957	-.04	29	53
21-29-0322	7430263	1348259	3-69	1	305	20,340	3.74	760	7	15,160	3.77	572	7-71		36	674	.01	26	42
21-29-0348	6143592	1408619	9-63	6	283	19,017	3.40	647	51	13,278	3.57	474	6-71		32	892	-.03	27	49
21-29-0349	6325614	1397209	5-65	2	299	19,365	3.17	613	24	12,105	3.34	404	10-71		40	1,014	-.06	28	54
21-29-0349	7541012	010275932	12-67	2	305	16,980	3.67	623	20	11,770	3.32	391	12-71		40	625	.05	30	44
21-29-0364	7250315	1301864	5-67	2	165	19,980	3.75	749	7	14,880	3.39	504	9-70	B	40	599	.06	31	44

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C O	REPT (%)	.......C O W MILK (LB)	I N D E X....... FAT (%)	FAT (LB)	DOL-LARS
21-29-0369	6276081	1085978	3-65	5	301	19,182	3.57	684	20	16,732	3.50	585	1-72		44	751	-.01	25	$ 43
21-29-0369	7054232	1348259	11-67	3	298	21,780	3.22	702	16	17,460	3.51	612	1-72		42	789	-.04	22	42
21-29-0370	7110239	1458744	5-68	2	305	16,060	3.70	595	8	13,590	3.60	489	4-72		40	692	.01	26	42
21-29-0370	7484485	_1417208	11-69	1	305	17,190	3.73	641	25	13,630	3.75	511	11-71		36	670	.01	26	42
21-29-0384	7299480	1379208	5-67	2	305	21,790	3.17	691	39	15,190	3.48	529	11-71		40	968	-.04	28	52
21-29-0389	6671550	1273756	12-66	3	305	19,850	3.71	737	9	16,797	3.63	609	6-71		42	685	.04	31	46
21-29-0402	5974022	1085978	11-63	5	305	18,742	3.80	713	30	15,090	3.66	553	1-71		44	885	.01	33	54
21-29-0402	6554603	1348259	4-66	3	305	19,807	3.69	730	38	16,203	3.54	574	9-71		42	692	.03	29	45
21-29-0402	7055112	1348259	5-68	2	305	21,785	3.23	704	37	16,485	3.49	576	11-71		40	825	-.04	24	45
21-29-0403	5916018	1244009	6-63	7	295	19,946	3.42	682	19	16,494	3.70	611	10-71		44	863	-.07	20	43
21-29-0418	6593655	1282596	7-66	2	305	24,915	3.25	809	10	16,045	3.66	587	3-71		40	1,026	-.08	24	51
21-29-0419	7307184	1458744	5-69	1	305	21,130	3.14	663	26	17,340	3.29	570	12-71		36	783	-.03	24	43
21-29-0435	7004590	1239242	6-67	2	305	19,870	3.61	718	20	14,615	3.54	518	12-71		40	695	.01	26	42
21-29-0466	5666279	1199324	8-62	7	303	17,933	3.99	716	26	14,406	3.76	541	4-71		44	885	.03	37	57
21-29-0466	6571525	1348259	2-66	3	305	21,353	3.44	734	26	15,470	3.63	561	2-71		42	946	-.02	31	54
21-29-0556	5748053	1380707	10-62	6	303	23,313	3.50	815	16	17,275	3.62	626	2-71		36	992	-.04	30	55
21-29-0624	5607077	1268762	11-61	5	270	18,664	4.09	764	30	15,046	3.71	558	3-72		39	556	.10	35	46
21-29-0624	6407682	1294703	9-64	4	253	18,990	3.80	722	36	15,700	3.75	589	2-71	B	43	784	-.01	26	45
21-29-0743	5592781	1124780	10-61	7	303	20,951	4.06	851	18	16,424	3.62	595	2-71		44	659	.09	38	51
21-29-0743	6494647	1438252	9-65	3	305	20,623	3.84	792	17	15,437	3.64	562	5-71		29	754	.04	34	51
21-29-0743	6816877	1237057	8-66	2	305	21,770	3.79	826	25	17,095	3.53	603	10-71		40	781	.00	28	47
21-29-0772	7435619	1450228	10-69	1	305	18,540	3.49	647	39	15,670	3.60	564	2-72		35	809	-.04	23	43
21-29-0800	6554905	1452090	11-65	5	305	25,016	3.15	789	41	18,692	3.46	646	12-71		43	1,050	-.11	21	49
21-29-0800	6712661	1278644	10-66	4	304	24,590	3.34	822	34	18,890	3.43	648	9-71		44	1,080	-.07	28	56
21-29-0802	6381221	1348259	8-67	3	304	19,217	3.18	611	15	13,960	3.46	483	1-72		42	856	-.04	25	46
21-29-0905	6315735	1278644	12-64	3	305	19,810	3.44	681	24	14,066	3.55	500	8-70		42	985	-.07	25	50
21-29-0905	7286412	1497509	10-68	2	305	17,625	4.02	709	39	14,105	3.56	502	1-72		36	721	.08	38	53
21-29-0997	6575116	1420697	5-66	3	305	19,097	3.81	728	34	14,507	3.57	518	2-71		32	696	.05	33	48
21-30-0010	6274889	1085978	11-64	6	296	19,727	3.39	669	38	15,243	3.45	526	8-71		44	995	-.04	30	55
21-30-0010	6401889	1085978	7-64	5	289	18,888	3.33	629	31	16,194	3.44	557	4-71		44	776	-.04	22	42
21-30-0012	5048505	1331494	7-59	10	303	20,288	3.71	753	8	15,546	3.52	547	3-71		36	1,058	.01	39	64
21-30-0012	7376838	1427381	7-69	1	305	17,330	3.79	657	10	15,220	3.62	551	10-71		36	931	.05	42	63
21-30-0012	7376839	1427381	7-69	1	305	20,680	3.75	775	10	15,220	3.62	551	10-71		36	1,180	.05	51	78
21-30-0014	6793699	1509045	10-66	3	305	23,966	3.30	792	14	15,526	3.77	585	6-71		32	1,471	-.11	35	73
21-30-0014	7201715	1509045	3-68	2	305	20,575	3.42	703	11	15,140	3.67	556	4-71		29	987	-.08	24	50
21-30-0023	7303833	1377691	12-68	1	305	21,660	3.60	780	31	15,730	3.40	535	9-71		36	707	.00	26	43
21-30-0031	6499403	1406271	1-66	5	303	22,028	3.40	748	27	18,632	3.56	663	2-72		44	850	.00	31	51
21-30-0031	6608453	1406271	8-66	4	305	22,615	3.46	782	40	18,428	3.52	648	12-71		44	929	.02	36	58
21-30-0031	6873864	1278644	7-67	2	305	22,920	3.58	821	28	18,860	3.44	649	3-71		40	797	-.03	24	44
21-30-0031	7452784	1450228	7-69	1	305	23,370	3.30	771	35	18,160	3.55	645	1-72		35	1,007	-.06	27	53
21-30-0033	6797632	1458744	12-66	2	305	20,170	3.63	732	11	13,755	3.53	486	3-71		40	1,094	.00	40	66
21-30-0095	5241171	1244845	12-60	9	304	18,888	3.95	746	31	15,402	3.69	568	11-71		44	658	.02	27	42
21-30-0095	5367119	1124780	10-60	7	305	20,401	3.93	802	31	16,144	3.72	601	3-72		44	621	.06	31	44
21-30-0095	6303433	1085978	1-65	4	305	20,328	3.66	744	29	15,933	3.72	592	4-72		44	973	-.02	32	56
21-30-0095	6303435	1348259	3-65	4	305	21,760	3.39	738	30	15,623	3.65	571	11-71		44	1,024	-.03	32	57
21-30-0095	6370684	1348259	9-65	4	296	21,070	3.73	786	23	16,818	3.71	624	1-72		44	806	.02	32	51
21-30-0141	6331371	1085978	2-65	4	299	18,870	3.76	710	26	14,570	3.63	529	4-71		44	944	.00	34	56
21-30-0154	6670478	1348259	12-65	5	302	20,312	3.78	768	7	17,062	3.63	620	4-72		44	701	.03	30	46
21-30-0154	6935940	1348259	8-66	4	303	22,185	3.44	764	23	18,010	3.53	636	10-71		44	811	-.01	28	48
21-30-0154	7119805	1458744	10-67	2	302	24,000	2.99	717	19	18,175	3.57	649	1-72		40	1,079	-.10	24	52
21-30-0189	5801085	1239886	10-62	6	305	18,343	3.61	663	22	14,035	3.58	503	4-71		44	669	.03	29	44
21-30-0189	6266282	1239886	8-64	5	305	20,320	3.34	678	27	13,848	3.64	504	7-71		44	946	-.02	31	54
21-30-0192	7597045	1347940	12-69	1	280	15,760	3.88	612	20	13,040	3.47	452	12-71		36	711	.03	30	46
21-30-0200	5767892	1239886	12-62	6	305	20,012	3.72	744	40	13,828	3.54	490	2-72		44	909	.05	41	61
21-30-0200	7503763	1511196	5-69	1	305	26,760	2.70	722	59	14,350	3.64	522	11-71		19	1,179	-.15	19	51
21-30-0200	7503773	1419528	3-69	1	305	19,730	3.72	734	60	14,370	3.62	520	11-71		36	662	.03	29	44
21-30-0201	6921106	1330987	1-67	3	305	17,830	3.76	671	25	15,563	3.43	534	11-71		42	563	.07	31	42
21-30-0201	6966810	1278644	9-67	3	302	19,646	3.61	709	27	16,026	3.43	549	1-72		42	763	-.02	24	43
21-30-0202	6716007	1348259	1-67	4	300	20,543	4.01	823	121	16,625	3.74	621	1-72		44	762	.06	37	53
21-30-0202	6839812	1350848	4-67	2	305	23,285	3.68	858	113	17,260	3.70	638	2-71		39	906	-.04	26	49
21-30-0202	6922660	1377691	12-67	2	305	21,640	3.95	854	115	17,165	3.76	645	5-71		40	722	.02	29	46
21-30-0202	6922661	1348259	8-67	3	305	22,780	3.73	850	119	16,810	3.77	633	1-72		42	971	.01	37	60
21-30-0202	6922677	1312008	10-67	3	305	21,640	4.08	883	100	16,923	3.76	637	3-72		42	665	.11	41	54
21-30-0202	6939812	1278644	10-67	3	304	19,796	4.38	868	110	16,353	3.81	623	11-71		42	747	.05	34	51
21-30-0202	7140635	1349319	9-68	1	305	23,420	4.18	978	111	17,040	3.76	640	6-71		36	631	.03	28	42
21-30-0202	7356712	1348259	2-69	1	305	27,340	3.60	983	100	17,350	3.72	645	4-71		36	1,049	-.01	37	62
21-30-0202	7610607	1377691	2-70	1	305	23,150	3.50	810	84	15,590	3.81	594	3-72		36	827	-.04	24	45
21-30-0202	7610608	1377691	2-70	1	305	25,120	3.29	826	84	15,590	3.81	594	3-72		36	974	-.07	25	50
21-30-0203	6948833	1494613	8-67	3	305	22,793	2.98	680	40	15,540	3.39	527	11-71		32	1,268	-.14	24	58
21-30-0203	7278691	1427381	10-68	1	305	21,240	3.44	731	20	16,210	3.49	566	1-71		36	1,156	.03	46	73
21-30-0203	7560758	1427381	10-69	1	305	18,180	3.00	546	53	14,510	3.34	485	10-71		36	1,042	.00	38	63
21-30-0345	5924885	1384758	5-63	2	305	21,200	3.44	729	6	15,350	3.44	528	1-71		25	752	-.01	26	44
21-30-0348	6592867	1348259	4-66	3	305	21,837	3.47	758	10	15,617	3.64	568	1-71		42	986	-.02	33	57
21-30-0348	7024999	1377691	11-67	3	302	22,410	3.36	753	10	15,957	3.55	567	11-71		42	991	-.05	28	53
21-30-0349	7175959	1488803	11-68	1	305	21,000	3.87	813	36	15,540	3.29	512	6-71		23	621	.07	33	46
21-30-0349	7412925	1458744	8-69	1	305	22,030	3.35	738	51	15,800	3.27	517	8-71		36	953	-.01	33	56
21-30-0349	7412929	1458744	9-69	1	305	22,950	2.91	667	48	17,050	3.19	544	12-71		36	938	-.05	26	50
21-30-0349	7412937	1427381	8-69	1	305	19,660	2.80	550	47	16,850	3.21	541	12-71		36	995	-.01	35	59
21-30-0349	7412938	1427381	8-69	1	305	17,910	2.95	529	56	15,930	3.27	521	8-71		36	926	.00	34	56
21-30-0349	7412939	1427381	9-69	1	305	19,300	3.22	621	14	16,990	3.39	576	4-72		36	959	.02	38	60
21-30-0349	7412941	1427381	10-69	1	305	26,530	2.80	744	47	16,850	3.21	541	12-71		36	1,507	-.03	49	86
21-30-0349	7444060	1458744	8-69	1	305	21,920	2.90	636	56	15,820	3.27	518	9-71		36	944	-.06	25	49
21-30-0407	6189582	1085978	8-64	5	293	19,518	3.55	692	46	16,548	3.61	598	8-71		44	816	-.03	25	45
21-30-0407	6758241	1348259	10-66	3	305	19,997	3.89	777	35	16,447	3.68	606	1-72		42	689	.04	31	46
21-30-0407	6936921	1273756	8-67	3	305	19,963	3.69	737	31	16,567	3.71	615	2-72		42	721	.03	30	46

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C D	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
21-30-0407	7202958	1348259	8-68	2	303	21,005	3.46	726	43	16,675	3.62	603	10-71		40	728	-.01	24	$ 42
21-30-0407	7249152	1504686	9-68	1	305	22,140	4.20	929	28	17,140	3.62	621	2-71		33	649	.12	41	53
21-30-0532	6590689	1312008	4-66	4	299	20,535	3.66	752	39	16,940	3.51	594	4-72		44	567	.07	31	43
21-30-0532	6940642	1273756	11-67	2	305	22,235	3.24	720	53	16,530	3.45	571	11-71		40	918	-.01	31	53
21-30-0532	7073277	1273756	6-68	2	302	19,065	3.92	748	57	16,595	3.46	574	12-71		40	590	.08	34	46
21-30-0532	7145253	1377691	9-68	2	303	21,205	3.49	741	51	16,605	3.48	578	2-72		40	729	-.02	24	42
21-30-0574	6542585	1242163	7-65	4	302	19,595	3.46	678	11	14,145	3.62	512	1-72		44	997	-.12	17	44
21-30-0574	7135761	1357743	1-67	3	296	19,747	3.50	691	10	13,240	3.66	484	11-71		42	839	-.04	24	45
21-30-0638	7237840	1375967	9-68	1	305	24,750	2.80	694	15	14,270	3.55	507	10-70		36	1,047	-.16	13	42
21-30-0665	5320850	1112211	8-60	2	271	19,680	3.32	653	21	14,370	3.60	518	6-71	B	40	916	-.06	24	47
21-30-0672	7509545	1526102	8-69	1	305	19,740	3.83	756	48	14,920	3.67	548	1-72		31	572	.11	37	48
21-30-0695	7088169	1427381	6-68	1	305	22,280	3.46	771	41	16,630	3.47	577	9-71		36	1,205	.04	49	77
21-30-0821	6481102	1421412	1-66	4	300	22,145	3.50	774	37	17,340	3.52	610	12-71		33	962	-.01	33	56
21-30-0821	6760525	1421412	8-66	3	305	24,407	3.31	807	40	17,677	3.51	620	9-71		32	1,188	-.05	35	65
21-30-0821	6760525	1421412	9-66	3	305	21,820	3.53	770	40	17,677	3.51	620	9-71		32	835	.00	30	50
21-30-0821	6760530	1216957	12-66	3	305	23,470	3.36	789	36	17,063	3.49	596	4-72		42	762	.00	27	45
21-30-0919	6267569	1085978	6-63	5	305	22,218	3.52	783	18	16,230	3.60	584	6-71		44	1,201	-.03	38	68
21-30-0976	7582597	1408080	9-68	1	305	24,840	3.17	787	55	17,380	3.47	603	3-71		36	926	-.07	22	46
21-31-0002	7173963	1458744	7-68	2	299	17,480	3.86	675	22	15,640	3.44	538	11-71		40	649	.04	29	43
21-31-0002	7214533	1427381	12-68	1	305	21,450	2.89	620	22	14,850	3.51	521	10-71		36	1,262	-.03	41	72
21-31-0019	7274039	1387978	8-68	2	305	22,090	2.90	641	58	16,635	3.32	553	10-71		40	980	-.08	23	49
21-31-0019	7274044	1513749	11-68	2	305	24,790	3.26	808	33	17,695	3.32	587	2-72		25	940	-.03	29	52
21-31-0045	7290269	1427381	11-68	1	305	19,220	3.48	668	25	16,040	3.50	562	4-71		36	1,016	.03	42	65
21-31-0045	7290270	1427381	12-68	1	305	23,690	3.36	796	20	16,300	3.55	578	5-71		36	1,332	.02	51	82
21-31-0045	7421909	1427381	6-69	1	177	20,620	4.04	834	25	17,330	3.51	609	12-71	B	36	1,034	.09	51	73
21-31-0085	6095134	1085978	1-64	5	298	18,334	3.80	696	15	16,294	3.58	583	8-71		44	693	.01	27	43
21-31-0085	6712817	1272013	11-66	4	296	21,273	3.41	725	29	16,370	3.60	589	1-72		44	864	-.07	21	43
21-31-0104	6962518	1261857	12-67	2	305	18,540	3.82	709	28	15,960	3.51	560	3-71		40	683	.09	38	52
21-31-0104	6962519	1377954	12-67	3	304	19,290	3.62	699	28	15,670	3.52	551	2-72		42	772	.03	32	50
21-31-0147	7141998	1387978	7-68	2	298	18,885	3.91	738	21	14,355	3.48	499	3-72		40	863	.04	37	56
21-31-0192	6549219	1270932	10-65	3	305	18,527	4.09	757	17	14,223	3.55	505	10-71		42	605	.05	30	43
21-31-0192	7279197	1312008	4-68	2	305	21,470	3.77	809	19	15,280	3.49	533	11-71		40	735	.08	39	54
21-31-0200	5702612	1239886	9-62	4	305	20,383	3.97	809	25	16,365	3.48	570	1-71		44	640	.11	39	51
21-31-0221	6497234	1085978	8-64	5	295	20,138	3.10	624	30	15,304	3.44	526	3-71		44	1,041	-.08	25	52
21-31-0234	7181624	1499133	7-68	1	305	18,920	3.27	618	14	15,410	3.38	521	3-71		33	1,027	-.07	26	52
21-31-0239	6464714	1239886	12-65	5	303	20,064	3.31	664	19	14,370	3.58	515	2-72		44	853	-.02	28	49
21-31-0261	6268618	1085978	11-64	4	305	18,373	3.32	610	7	15,378	3.45	530	3-71		44	793	-.04	22	42
21-31-0305	6373661	1085978	9-64	5	293	20,354	3.70	754	27	16,650	3.60	600	10-71		44	912	.00	33	55
21-31-0305	6396842	1303198	8-65	4	305	22,635	3.53	800	36	16,955	3.67	622	9-71		44	885	-.01	30	51
21-31-0305	7118991	1458744	6-68	1	305	21,770	3.36	731	24	17,720	3.61	640	1-71		36	805	-.03	24	44
21-31-0394	6080229	1389471	5-64	5	299	21,366	3.35	716	21	16,082	3.48	559	11-71		44	851	-.05	23	45
21-31-0394	6122132	1406271	8-64	4	291	18,665	3.59	671	31	16,568	3.62	599	1-71		44	648	.03	28	43
21-31-0394	7501640	1427381	12-69	1	305	19,310	4.11	793	20	17,810	3.45	614	1-72		36	904	.10	48	67
21-31-0429	6186905	1285709	6-64	5	305	23,768	3.15	749	40	16,806	3.58	601	2-71		44	1,052	-.10	22	50
21-31-0431	7168718	1348259	9-68	2	305	20,310	3.36	683	28	15,580	3.56	555	12-71		40	758	-.02	24	43
21-31-0441	6939413	1496919	11-67	1	305	23,950	3.33	797	16	17,100	3.35	572	10-71		23	849	.00	31	51
21-31-0450	7040320	1261857	8-67	2	298	16,620	3.68	611	11	14,640	3.68	539	2-72		40	608	.05	30	43
21-31-0454	7274390	1458744	9-68	1	305	16,890	3.79	640	23	13,960	3.50	489	10-71		36	694	.01	27	43
21-31-0525	7199169	1348259	10-68	1	305	22,120	3.05	674	25	15,240	3.57	544	9-71		36	802	-.05	21	42
21-31-0601	7979294	1447414	12-69	1	305	21,750	3.29	715	61	18,090	3.46	626	11-71		35	914	-.05	25	48
21-31-0621	6248590	1244009	11-64	5	305	22,108	3.25	719	33	18,342	3.43	629	4-71		44	928	-.07	22	46
21-31-0621	6772719	1467915	8-66	3	305	20,770	3.76	781	44	17,946	3.52	631	3-71		38	602	.08	33	45
21-31-0621	6772733	1472785	11-66	3	305	23,163	3.39	786	39	18,667	3.42	639	1-72		37	1,073	-.04	32	59
21-31-0621	7039773	1491000	1-68	2	305	21,955	3.66	803	22	17,775	3.34	594	5-71		36	1,018	.02	40	64
21-31-0621	7441409	1387978	1-69	1	305	21,460	4.18	898	32	17,950	3.49	626	10-71		36	717	.06	35	50
21-31-0621	7557266	1525369	11-69	1	305	25,150	3.37	848	41	19,650	3.42	672	2-72		29	840	-.03	26	47
21-31-0693	5985280	1239886	12-63	5	303	21,448	3.37	722	32	16,808	3.47	584	5-71		44	748	.00	27	45
21-31-0693	6128814	1240125	5-64	5	305	20,796	3.38	702	33	16,616	3.48	578	8-71		44	829	-.03	25	46
21-31-0693	6672511	1348259	10-66	3	305	24,097	3.29	792	38	17,533	3.43	601	8-71		42	1,048	-.03	33	59
21-31-0693	7146265	1377691	6-68	2	305	22,010	3.28	722	39	16,255	3.61	587	10-71		40	842	-.06	21	43
21-31-0693	7352594	1389471	11-68	2	305	21,505	3.70	796	42	15,935	3.62	577	1-72		40	740	-.01	25	43
21-31-0738	6162448	1437721	7-64	5	305	28,448	3.72	1057	22	18,968	3.56	676	8-71		35	1,526	.04	62	97
21-31-0939	7414048	1520161	6-69	1	305	20,020	4.06	813	36	17,390	3.58	622	12-71		32	699	.15	48	61
21-31-0939	7447624	1375967	9-69	1	305	24,900	3.71	924	38	17,620	3.60	535	11-71		36	834	-.05	22	43
21-31-0939	7447625	1419528	7-69	1	305	23,870	3.43	819	36	17,280	3.60	622	12-71		36	776	.01	29	47
21-32-0003	5623079	1085978	5-62	7	303	21,271	4.09	870	12	18,250	3.53	645	3-71		44	845	.08	42	60
21-32-0026	7693857	1519708	1-69	2	305	20,750	3.71	770	18	16,905	3.35	567	12-71		29	563	.06	30	42
21-32-0031	6731182	1347940	10-66	1	305	19,820	3.53	700	27	15,270	3.69	563	5-71		36	864	-.01	29	50
21-32-0054	6497317	1342755	8-65	4	305	20,505	3.97	815	27	16,987	3.67	623	4-72		35	579	.10	36	47
21-32-0054	6624343	1454921	4-66	3	303	21,980	3.16	695	36	16,223	3.72	604	9-70		33	1,006	-.11	19	46
21-32-0054	7331272	1419528	1-69	1	305	22,930	3.60	825	53	17,320	3.45	597	9-71		36	703	.04	31	47
21-32-0054	7421167	1281479	10-68	2	305	23,115	4.22	976	27	18,935	3.57	676	2-72		40	503	.16	42	52
21-32-0092	6407859	1347940	8-65	2	304	17,525	3.56	624	11	14,015	3.67	514	7-71		40	840	-.02	28	48
21-32-0092	6412629	1347940	10-65	4	297	16,367	3.76	615	15	13,975	3.58	501	10-71		44	750	.02	30	47
21-32-0092	6619880	1347940	9-66	3	305	15,923	3.34	532	15	13,340	3.58	478	8-71		42	756	-.03	23	42
21-32-0092	6871494	1347940	1-67	3	299	15,716	3.58	562	16	13,466	3.59	484	9-71		42	719	-.01	25	42
21-32-0092	6926780	1347940	1-67	3	304	18,476	3.19	590	14	13,753	3.56	490	7-71		42	1,007	-.05	28	53
21-32-0092	7127477	1347940	3-68	2	305	17,105	3.64	622	9	14,575	3.57	520	5-71		40	746	.01	28	46
21-32-0092	7342987	1347940	8-67	3	305	18,626	3.40	633	12	14,390	3.66	527	4-72		42	958	-.04	29	53
21-32-0094	6735732	1347940	8-66	3	297	17,146	3.77	647	17	14,186	3.67	521	10-71		42	809	.01	31	50
21-32-0094	6735736	1347940	9-66	3	300	16,923	3.61	611	15	14,233	3.67	523	11-71		42	778	-.01	27	46
21-32-0094	6735742	1347940	2-67	1	305	19,000	3.31	629	14	14,250	3.68	524	9-70		36	871	-.03	27	49
21-32-0094	6926029	1347940	7-67	2	305	17,760	3.70	657	13	15,055	3.65	550	1-71		40	769	.01	29	47
21-32-0094	6926031	1347940	8-67	2	305	19,385	4.04	784	13	15,085	3.67	553	12-70		40	931	.05	41	62
21-32-0094	7134952	1347940	1-68	2	305	18,130	3.96	718	6	15,475	3.59	555	3-71		40	768	.04	34	51

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C O	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
21-32-0096	6970431	1347940	1-68	1	305	19,600	3.55	696	12	17,060	3.43	586	5-71		36	727	.01	28	$ 45
21-32-0096	7404607	1320310	6-69	1	305	18,350	3.64	668	21	16,160	3.31	535	9-71		36	770	-.01	26	45
21-32-0096	7404608	1320310	8-69	1	305	18,850	3.59	676	26	15,140	3.38	512	10-71		36	875	-.02	28	49
21-32-0096	7404612	1347940	10-69	1	305	17,040	3.71	633	25	15,220	3.38	514	10-71		36	660	.03	28	43
21-32-0096	7582627	1419528	6-69	1	305	19,580	3.70	725	37	14,370	3.48	500	1-72		36	651	.04	30	44
21-32-0097	5915518	1272013	11-63	7	299	22,231	3.56	792	48	16,447	3.77	620	11-71		44	1,003	-.07	26	52
21-32-0097	6246724	1312008	9-64	5	305	21,892	3.43	751	34	15,992	3.71	593	10-71		44	872	.00	32	53
21-32-0097	6735874	1278644	1-67	2	305	23,745	3.41	809	37	17,010	3.75	638	10-70		40	1,050	-.09	24	51
21-32-0097	7559153	1347940	9-69	1	301	19,430	3.43	666	65	16,190	3.69	597	9-71		36	773	-.02	25	44
21-32-0102	7017326	1492243	12-67	2	305	19,680	3.88	764	16	15,425	3.58	552	7-71		36	878	.02	35	55
21-32-0109	7394829	1290716	11-67	2	305	22,540	3.41	769	32	14,525	3.55	515	3-71		40	815	.06	39	57
21-32-0124	6136001	1085978	8-64	4	300	20,665	3.39	700	35	15,990	3.51	561	12-71		44	1,008	-.04	30	55
21-32-0124	6159812	1085978	10-64	6	295	21,235	3.94	837	28	16,735	3.50	585	3-72		44	1,016	.05	45	68
21-32-0124	6630352	1348259	8-66	4	294	20,360	3.61	734	27	16,673	3.53	589	2-72		44	734	.02	29	46
21-32-0124	6796951	1261857	1-67	3	291	19,227	3.58	688	21	16,717	3.55	594	4-71		42	707	.06	34	49
21-32-0124	7388391	1520161	7-69	1	290	19,510	3.37	658	42	15,060	3.65	550	10-71		32	826	.07	41	59
21-32-0139	5988837	1085978	9-62	6	305	25,022	3.80	952	23	17,230	3.55	611	2-71		44	1,447	.03	57	91
21-32-0142	7026239	1485272	2-67	3	305	22,943	3.48	798	8	17,756	3.40	604	5-71		33	915	.02	36	57
21-32-0142	7026243	1485272	11-67	3	292	23,943	3.35	803	33	18,403	3.38	622	10-71		33	970	-.01	34	57
21-32-0142	7330979	1348259	7-68	2	303	21,475	3.76	808	29	18,685	3.39	634	11-71		40	592	.06	30	43
21-32-0158	6391254	1414261	8-65	2	295	22,325	3.72	831	23	15,175	3.57	541	9-71		40	617	.04	29	42
21-32-0158	7573165	1426616	9-69	1	305	20,920	3.32	694	15	16,340	3.56	582	3-72		33	778	-.03	23	42
21-32-0160	6961298	1348259	7-67	2	286	17,925	3.57	640	10	13,555	3.48	472	1-71	B	40	701	.01	27	43
21-32-0168	5920247	1199324	10-63	5	302	18,954	3.37	638	35	14,890	3.49	519	3-71		44	961	-.04	29	53
21-32-0168	7638239	1458744	9-68	2	299	17,770	3.50	622	22	13,550	3.51	475	1-72		40	870	-.01	30	51
21-32-0169	5477332	1085978	9-61	8	303	20,949	3.64	763	26	16,209	3.71	601	10-71		44	1,040	-.02	34	59
21-32-0169	6430352	1252934	10-65	4	305	19,663	3.93	773	18	16,140	3.68	594	7-71		44	589	.06	30	42
21-32-0169	6700819	1312008	10-66	4	295	20,385	3.73	761	32	16,463	3.66	602	11-71		44	602	.06	31	44
21-32-0174	6103410	1429519	6-64	4	305	19,067	3.26	621	36	14,327	3.47	497	7-71		34	812	-.05	21	42
21-32-0174	6464840	1429519	12-65	4	302	19,430	3.35	650	34	14,965	3.44	515	7-71		34	782	-.04	22	42
21-32-0174	6593268	1429236	7-66	3	305	23,870	3.60	859	35	15,457	3.34	517	8-71		32	1,052	.05	45	69
21-32-0174	6625526	1429519	9-66	3	305	21,003	3.36	706	34	15,223	3.44	523	3-71		32	922	-.03	28	51
21-32-0174	6625527	1429519	10-66	3	305	20,180	3.39	685	34	14,413	3.52	508	2-72		32	910	-.04	27	50
21-32-0180	6193305	1282936	7-64	5	305	20,946	3.25	680	27	15,434	3.73	576	7-71		44	896	-.08	20	44
21-32-0180	6305437	1268294	1-65	5	305	22,614	3.55	803	34	15,926	3.69	588	12-71		44	1,103	-.04	33	60
21-32-0181	6135550	1085978	10-64	5	302	23,136	3.29	762	61	17,072	3.46	590	2-72		44	1,222	-.06	35	66
21-32-0181	6214353	1085978	10-64	5	303	21,968	3.40	746	45	17,680	3.41	603	10-71		44	1,001	-.03	31	56
21-32-0181	6305761	1410708	1-65	5	305	19,838	3.67	728	52	16,980	3.46	588	1-72		38	679	.06	34	48
21-32-0181	6305762	1410708	1-65	2	305	24,150	3.17	766	60	18,195	3.40	618	2-72		33	971	-.02	32	56
21-32-0181	6802955	1261857	3-67	3	304	20,020	3.59	719	73	17,583	3.48	612	11-71		42	708	.07	36	51
21-32-0181	6954172	1347940	8-67	3	305	21,416	3.34	716	74	17,940	3.45	619	12-71		42	911	-.03	29	51
21-32-0181	7130346	1521467	8-68	2	305	22,415	3.92	878	67	18,090	3.41	617	11-71		29	555	.10	35	46
21-32-0181	7289232	1458744	7-68	2	305	21,490	3.73	801	75	17,975	3.45	621	12-71		40	843	.03	35	54
21-32-0181	7342039	1348259	4-69	1	305	21,710	3.57	774	67	16,680	3.47	579	9-71		36	675	.01	26	42
21-32-0186	6233235	1085978	3-64	6	298	19,633	3.48	683	16	16,548	3.49	578	1-72		44	831	-.03	26	46
21-32-0218	6157732	1278644	10-64	4	305	18,752	3.33	625	17	13,632	3.46	471	6-71		44	944	-.07	23	47
21-32-0220	6432950	1406663	10-65	4	298	20,573	3.32	682	13	14,700	3.42	503	6-71		30	898	-.04	27	49
21-32-0226	6214342	1389471	2-64	5	305	22,792	3.59	819	21	17,330	3.46	599	1-72		44	890	.00	32	53
21-32-0226	6767664	1441738	1-67	3	305	21,236	3.42	727	9	14,646	3.57	523	6-71		36	1,003	-.05	29	54
21-32-0235	6640386	1348259	5-66	3	305	19,947	4.00	798	11	16,317	3.51	573	2-71		42	696	.08	37	51
21-32-0235	6940444	1259069	9-67	2	201	24,510	3.51	861	10	17,530	3.61	633	2-71		40	879	-.04	26	48
21-32-0235	7062318	1261857	7-67	3	305	24,267	3.40	824	18	16,853	3.57	602	11-71		42	1,272	.02	49	79
21-32-0352	6088386	1085978	10-63	6	305	18,738	3.44	645	27	15,347	3.69	566	10-71		44	855	-.05	23	45
21-32-0454	7173939	010275932	7-68	2	302	22,975	3.57	821	21	16,435	3.99	656	11-71		40	808	-.02	26	46
21-32-0512	7081661	1458744	10-67	2	305	17,480	3.36	587	27	12,495	3.39	424	6-71		40	936	-.02	31	54
21-32-0538	6176787	1085978	10-64	5	298	19,188	3.31	635	22	15,190	3.56	541	6-71		44	931	-.06	24	48
21-32-0538	6494995	1348259	2-66	4	305	18,528	3.79	702	12	15,568	3.62	563	8-71		44	631	.03	28	42
21-32-0538	6919429	1348259	9-67	3	299	21,547	3.43	739	12	16,433	3.64	598	1-72		42	868	-.02	28	49
21-32-0569	6447693	1452988	12-65	4	305	19,250	3.88	747	32	16,290	3.49	569	4-71		40	533	.08	31	42
21-32-0569	7276545	1419528	3-69	1	305	22,280	3.18	709	31	16,190	3.47	561	7-71		36	730	-.01	25	43
21-32-0707	5388081	1085978	8-61	8	305	18,144	3.55	644	9	14,104	3.62	510	4-72		44	923	-.03	29	52
21-32-0746	7567984	1427381	11-69	1	297	18,540	3.91	725	43	16,080	3.55	571	11-71		36	963	.07	46	67
21-32-0812	7577420	1447414	8-69	1	305	16,300	3.62	590	9	13,900	3.49	485	3-72		35	787	-.02	25	44
21-32-0832	5943904	1085978	12-62	5	304	16,792	4.04	678	8	14,248	3.80	541	3-71		44	732	.02	30	47
21-32-0853	6203609	1278644	11-64	5	305	22,992	3.51	807	12	18,538	3.72	689	5-71		44	944	-.08	22	47
21-32-0853	7049559	1273756	8-67	2	305	22,255	3.83	852	20	18,580	3.64	676	1-71		40	732	.06	35	51
21-32-0853	7049562	1348259	9-67	3	305	22,380	3.69	826	25	18,453	3.63	670	12-71		42	755	.02	30	47
21-32-0957	7180142	1348259	2-67	3	291	20,917	3.70	773	27	16,713	3.54	591	11-71		42	767	.03	32	49
21-33-0149	5970049	1239242	10-63	6	303	20,037	3.41	684	15	14,678	3.54	520	6-71		44	844	-.03	26	47
21-33-0149	6861098	1479329	9-66	4	293	17,965	3.52	632	23	14,460	3.42	494	7-71		35	809	-.01	27	47
21-33-0149	7142703	1479329	6-67	3	293	20,213	3.11	629	14	14,783	3.53	522	12-71		33	1,041	-.10	22	50
21-33-0149	7142720	1427381	6-68	2	255	16,990	3.51	596	12	14,470	3.64	527	4-72		40	978	.02	39	62
21-33-0517	6586131	1406271	2-66	4	297	18,060	3.79	685	45	16,425	3.62	594	6-71		44	589	.06	30	42
21-33-0517	6586134	1406271	7-66	4	302	21,045	3.88	817	68	16,100	3.63	584	8-71		44	994	.07	47	69
21-33-0517	6707261	1406271	9-66	4	288	19,093	3.47	662	60	16,320	3.60	588	10-71		44	729	.01	28	45
21-33-0517	6772763	1484127	12-66	3	305	23,527	3.49	822	37	16,590	3.64	604	4-71		29	1,020	-.02	33	58
21-33-0517	6843620	1222994	6-67	3	300	20,820	3.75	780	71	16,320	3.68	600	10-71		42	804	.02	32	51
21-33-0517	6964668	1222994	7-67	3	299	19,797	3.81	755	75	16,127	3.71	598	8-71		42	706	.02	29	45
21-33-0517	6964673	1406271	8-67	3	303	18,620	4.15	773	31	16,330	3.69	603	3-72		42	656	.10	39	52
21-33-0517	7029413	1406271	11-67	2	305	20,075	3.74	751	46	17,000	3.69	628	12-71		40	722	.05	33	49
21-33-0517	7446381	1406271	7-69	1	305	19,930	3.95	787	64	16,070	4.22	678	7-71		36	708	.03	30	46
21-34-0074	7320945	1419528	10-68	2	295	22,155	3.33	738	20	17,440	3.54	618	11-71		40	757	-.01	26	44
21-34-0095	6988067	1413165	10-67	2	305	19,465	3.19	621	20	11,715	3.50	410	9-70		40	1,091	-.12	20	49
21-34-0111	7312099	1490825	7-68	1	305	23,530	3.02	710	18	14,910	3.52	525	1-71		24	959	-.09	20	45
21-34-0121	6537600	1467994	8-65	5	290	18,388	3.59	661	13	13,570	3.66	496	2-72		32	751	-.01	26	44

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C D	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
21-34-0123	6683050	1348259	8-66	4	305	21,273	3.15	671	21	15,970	3.56	568	1-72		44	925	-.06	24	$ 48
21-34-C155	7115151	1408080	3-68	1	305	22,460	3.41	765	15	15,150	3.72	563	12-71		36	898	-.06	23	46
21-34-C155	7150944	1347940	10-68	1	305	19,340	3.55	686	25	15,440	3.67	567	10-71		36	817	-.01	28	48
21-34-C156	6663710	1476679	11-66	3	243	21,083	3.73	787	9	16,833	3.76	633	12-71		38	866	-.01	29	50
21-34-0216	6701087	1085978	2-65	5	305	19,748	3.51	693	29	16,214	3.68	597	12-71		44	885	-.05	25	47
21-34-C216	7517551	1419528	11-69	1	305	21,940	3.48	764	31	15,430	3.73	576	2-72		36	756	.00	28	46
21-34-C402	6170137	1085978	11-64	5	271	18,630	3.79	706	14	16,822	3.59	604	2-71	B	44	670	.01	26	42
21-34-0555	6667018	1378792	6-66	4	301	20,315	3.50	711	17	16,388	3.58	587	8-71		37	804	-.04	23	43
21-34-0665	6953735	1261857	9-67	3	299	18,737	3.69	691	26	16,333	3.50	572	9-71		42	690	.08	37	51
21-34-0665	7199577	1387978	7-68	2	304	21,050	3.50	736	27	16,535	3.57	591	10-71		40	884	-.02	29	51
21-34-0665	7290117	1387978	11-68	1	305	22,250	3.20	713	21	17,390	3.63	632	11-70		36	814	-.05	21	42
21-34-0749	5912159	1085978	10-63	5	305	17,756	3.68	653	53	15,060	3.66	551	2-72		44	762	-.02	25	44
21-34-0749	6338462	1380707	5-65	4	237	20,910	3.65	763	55	15,725	3.67	577	8-71		35	813	-.01	28	48
21-34-0749	6431555	1451352	12-65	2	305	21,110	3.44	726	70	14,825	3.63	538	5-71		36	853	-.06	22	44
21-34-C749	6794765	1286934	10-66	3	305	19,483	3.95	770	87	15,187	3.64	553	1-72		41	481	.11	33	42
21-34-0749	7071561	1348259	3-68	2	305	19,845	3.49	692	103	14,535	3.63	527	9-71		40	806	-.01	28	47
21-34-0749	7232607	1261857	2-69	1	305	21,160	3.56	753	98	14,710	3.69	543	8-71		36	914	.05	40	60
21-34-C749	7284371	1261857	4-68	2	301	18,530	3.39	628	99	14,345	3.65	524	8-71		40	829	.02	33	52
21-34-C749	7587336	1419528	8-68	1	305	22,570	3.89	877	39	15,170	3.63	551	4-71		36	820	.06	38	56
21-34-C749	7601668	1261857	8-69	1	305	22,840	3.67	838	87	15,910	3.71	591	12-71		36	958	.06	43	64
21-34-0749	7611975	1520161	6-69	1	305	18,380	3.36	618	88	15,950	3.72	593	12-71		32	671	.07	34	48
21-34-0879	6966315	1298430	1-68	1	305	26,540	3.50	929	15	14,560	3.50	509	11-71		36	712	.00	25	42
21-34-0884	5885143	1085978	8-63	6	298	18,008	3.58	645	15	14,890	3.60	536	4-72		44	814	-.02	26	46
21-34-0884	7124238*	1348259	10-67	3	301	19,493	3.43	668	20	14,193	3.66	519	11-71		42	864	-.02	28	49
21-34-0884	7316745	1499133	9-68	1	303	16,910	3.69	624	24	12,630	3.71	468	9-71		33	1,066	-.05	30	57
21-34-0887	7302767	1348259	10-67	2	305	20,455	3.28	670	18	14,980	3.45	517	7-71		40	827	-.03	26	46
21-35-0029	5503618	1215958	12-61	7	305	22,777	3.45	786	27	18,537	3.61	670	6-71	B	43	849	-.03	26	47
21-35-0029	6434998	1348259	12-65	4	305	24,958	3.34	834	48	21,018	3.47	730	11-71		44	819	-.02	26	46
21-35-C029	6479699	1438533	10-65	5	304	25,536	3.25	829	37	20,472	3.54	724	12-71		39	1,115	-.10	25	54
21-35-0029	6479721	1199077	12-65	4	305	24,662	3.45	851	43	20,865	3.47	725	10-71		39	745	.01	28	46
21-35-C029	6974899	1494593	9-67	2	305	22,955	3.47	797	30	20,190	3.45	696	7-71		32	679	.04	30	45
21-35-0029	7101083	1494593	2-68	2	305	26,530	3.20	848	38	20,595	3.42	704	10-71		32	1,049	-.02	34	60
21-35-0029	7230357	1494593	8-68	2	305	25,645	3.42	878	30	21,205	3.39	719	2-72		32	884	.03	36	56
21-35-0029	7520483	1438533	7-69	1	305	27,000	3.13	845	37	20,880	3.41	713	12-71		29	925	-.09	20	44
21-35-0040	7184215	1377691	10-67	2	305	21,780	3.37	735	32	14,195	3.67	521	2-71		40	1,007	-.05	29	54
21-35-0044	6982794	1493686	10-67	1	305	19,990	4.02	804	76	18,150	3.43	623	10-70		35	592	.09	35	47
21-35-0050	6587540	1438533	1-66	4	305	24,200	3.12	754	22	19,320	3.42	661	9-71		38	1,043	-.10	22	50
21-35-0050	6777024	1478272	10-66	4	304	24,965	3.30	823	33	19,818	3.38	670	1-72		38	1,209	-.01	42	71
21-35-0050	6777029	1348259	2-67	2	305	27,280	3.19	871	23	20,580	3.36	691	1-71		40	1,009	-.03	31	56
21-35-C050	6974592	1500915	9-67	2	305	28,075	3.41	958	34	19,840	3.43	680	9-71		31	1,237	-.02	41	71
21-35-0050	6974601	1278644	11-67	2	305	25,125	3.40	853	17	18,960	3.47	658	6-71		40	1,012	-.06	27	53
21-35-0050	7088415	1348259	3-68	2	305	24,330	3.29	801	17	19,670	3.42	673	7-71		40	792	-.02	25	44
21-35-0050	7482995	1520161	7-69	1	305	21,030	3.49	733	34	18,950	3.42	649	9-71		32	667	.11	40	53
21-35-0062	6823848	1478272	9-66	4	298	19,845	3.39	673	43	16,675	3.42	571	10-71		38	900	.00	33	54
21-35-0062	7263792	1348259	9-68	2	297	22,365	3.03	677	32	16,855	3.35	565	9-71		40	850	-.05	23	45
21-35-C067	5905869	1408080	8-63	7	300	21,750	2.91	634	34	15,934	3.50	557	10-71		44	1,075	-.14	17	47
21-35-0067	6923815	1458744	9-67	3	299	18,936	3.64	690	37	16,830	3.33	561	12-71		42	705	.03	30	46
21-35-C068	6856441	1348259	1-67	3	296	21,927	3.24	711	8	17,473	3.50	611	8-71		42	804	-.04	23	43
21-35-0072	6738203	1261857	9-66	3	292	17,380	3.72	646	29	15,747	3.68	580	9-71		42	595	.06	31	43
21-35-0076	7204635	1495650	7-68	2	304	21,520	4.38	942	17	18,350	3.54	650	12-71		25	451	.15	39	46
21-35-0079	6689684	1278644	10-66	4	298	21,310	3.32	707	23	16,895	3.59	606	11-71		44	897	-.09	18	42
21-35-0079	6747868	1348259	10-66	4	296	21,320	3.71	790	26	17,450	3.52	615	10-71		44	766	.04	33	50
21-35-0102	7008753	1278644	8-67	3	301	21,263	3.02	643	34	15,113	3.45	521	2-72		42	1,044	-.12	19	47
21-35-C102	7127337	1372874	8-68	2	296	21,055	3.34	703	38	14,135	3.49	493	11-71		40	920	-.08	21	45
21-35-0108	6525273	1348259	10-65	5	299	19,842	3.43	680	27	15,974	3.57	570	1-72		44	767	-.02	25	44
21-35-C135	7217801	1312008	9-68	2	305	24,570	3.40	836	23	18,550	3.56	661	11-71		40	751	.03	31	48
21-35-0135	7257158	1273756	12-68	2	301	22,385	3.44	770	22	18,655	3.57	666	11-71		40	739	.00	27	45
21-35-C135	7460582	1347940	11-69	1	305	26,100	3.04	793	23	17,830	3.52	627	11-71		36	1,160	-.06	32	61
21-35-C135	7492223	1347940	9-69	1	305	21,820	3.35	731	23	17,650	3.50	618	9-71		36	853	-.02	28	49
21-35-C143	4978742	1085978	12-59	9	305	25,319	3.31	838	27	16,179	3.53	571	11-71		44	1,607	-.07	47	87
21-35-0143	5194340	1085978	10-60	6	301	21,023	3.59	755	30	15,777	3.45	545	2-71		44	1,100	.00	39	65
21-35-C143	5626590	1038509	10-60	8	305	23,000	3.50	806	31	17,089	3.53	604	1-72		44	1,010	-.04	30	55
21-35-0143	5715562	1237057	8-62	7	292	21,576	3.35	722	10	15,541	3.69	573	5-71		44	1,053	-.09	24	52
21-35-C143	6867529	1085978	9-65	4	305	20,650	3.29	680	26	17,210	3.42	589	4-71		44	870	-.05	24	46
21-35-0143	7183810	1278644	12-66	3	305	21,573	3.47	749	33	17,076	3.36	573	7-71		42	876	-.04	26	48
21-35-C143	7190615	1273756	12-66	2	305	22,095	3.34	739	44	16,940	3.37	571	10-71		40	866	.01	33	53
21-35-C143	7285632	1070036	4-67	2	305	23,400	4.02	940	48	18,765	3.42	641	1-71		40	739	.13	47	61
21-35-0143	7300823	1363507	7-67	2	305	29,335	3.29	966	46	18,320	3.42	626	2-71		40	1,309	-.07	36	69
21-35-C143	7441037	1393997	9-67	3	305	22,566	3.68	830	43	17,973	3.62	651	9-71		42	854	.03	35	55
21-35-0143	7622038	1348259	8-68	1	305	24,190	3.13	756	49	17,720	3.41	604	9-71		36	790	-.04	23	43
21-35-C143	7669929	1070036	3-68	2	305	21,600	3.54	764	49	17,310	3.43	593	2-72		40	689	.05	33	48
21-35-0155	6788233	1261857	12-66	2	305	19,670	3.67	722	18	16,870	3.62	610	8-71		40	714	.06	35	50
21-35-C155	6944460	1348259	10-67	3	300	20,477	3.69	755	21	17,023	3.66	623	11-71		42	684	.02	27	43
21-35-C158	6847878	1237057	2-67	2	281	21,520	3.05	656	17	15,280	3.47	530	12-71		40	921	-.10	18	43
21-35-0158	7537648	1427381	9-69	1	305	17,100	3.43	586	29	14,400	3.47	499	10-71		36	968	.03	40	62
21-35-0161	6604500	1463825	7-66	3	305	23,293	3.31	772	55	16,563	3.38	560	3-71		33	956	.00	34	57
21-35-C161	6604515	1466645	7-66	4	304	20,858	3.73	777	60	15,438	3.52	544	10-71		40	1,036	.01	39	63
21-35-0161	7071361	1438533	1-68	2	305	19,090	3.98	759	55	15,805	3.56	563	7-71		34	722	.03	30	46
21-35-0161	7357013	1520436	1-69	2	305	23,180	3.32	769	42	16,520	3.63	599	4-72		25	870	-.05	23	45
21-35-0161	7357014	1504061	12-68	1	296	20,420	3.90	796	55	15,350	3.60	552	7-71		31	593	.10	36	47
21-35-0161	7399710	1494593	3-69	1	305	18,260	4.27	780	57	15,570	3.68	573	10-71		27	555	.10	35	46
21-35-0161	7482969	1494593	10-69	1	305	20,920	3.86	807	61	16,250	3.68	598	1-72		27	730	.06	35	51
21-35-C161	7604205	1494593	12-69	1	305	19,860	3.79	752	46	16,370	3.65	597	3-72		27	631	.05	31	45
21-35-0161	7604207	1494593	1-70	1	305	21,320	3.71	792	46	16,370	3.65	597	3-72		27	755	.04	34	51
21-35-C203	6925986	1348259	9-66	3	305	22,327	3.04	679	9	16,627	3.47	577	11-71		42	938	-.07	23	47

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C D	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
21-35-0239	6449105	1221835	12-65	3	305	20,803	3.63	756	20	17,103	3.54	606	12-71		42	696	.00	25	$ 42
21-35-0239	7510191	1408080	11-69	1	305	22,920	3.46	793	19	16,910	3.52	595	11-71		36	814	-.04	23	44
21-35-0246	6871568	1393259	3-67	3	303	22,723	3.70	840	18	17,767	3.38	601	10-71		29	755	.06	36	52
21-35-0248	6078486	1085978	6-64	6	300	19,152	3.82	732	25	17,113	3.44	589	10-71		44	703	.04	31	47
21-35-0263	6243180	1085978	10-64	5	305	22,568	3.51	792	22	19,906	3.75	747	3-72		44	820	-.06	21	42
21-35-0263	6911355	1487633	9-67	3	305	26,033	3.75	977	21	20,017	3.68	736	4-72		29	938	.03	38	60
21-35-0263	6950167	1348259	11-67	2	305	26,175	4.01	1049	19	19,465	3.73	726	5-71		40	998	.07	46	68
21-35-0273	5339030	1221835	2-61	6	289	18,853	3.65	689	25	14,342	3.58	513	2-71		44	812	.00	29	48
21-35-0301	5519320	1179372	10-61	7	304	19,111	3.77	721	14	14,829	3.68	545	12-71		44	747	.03	31	48
21-35-0305	5681681	1085978	10-62	8	299	21,070	3.41	718	20	16,256	3.49	567	10-71		44	1,050	-.04	32	58
21-35-0305	6579898	1459339	2-66	4	304	21,495	3.06	658	24	16,947	3.46	587	11-71		41	942	-.10	18	43
21-35-0305	6608014	1312008	9-64	5	305	20,338	3.68	749	15	16,252	3.53	574	4-72		44	642	.07	34	47
21-35-0305	7286665	1499876	8-68	2	305	22,015	3.22	708	27	17,280	3.40	588	9-71		37	879	-.08	19	42
21-35-0307	7229118	1261857	9-68	2	286	22,605	3.73	843	29	17,225	3.58	617	10-71		40	980	.08	47	68
21-35-0309	7479807	1450228	6-69	2	192	18,495	3.26	603	5	14,350	3.53	507	8-71	B	39	972	-.06	26	51
21-35-0311	5797033	1237057	2-63	6	303	19,908	3.41	678	23	14,525	3.52	511	5-71		44	956	-.06	26	50
21-35-0311	7329202	1491007	4-69	1	305	20,100	3.44	691	20	16,180	3.62	586	8-71		35	828	-.01	29	49
21-35-0311	7363048	1427381	11-68	1	290	20,170	3.64	734	20	13,150	3.60	474	2-71	H	36	1,281	.04	53	82
21-35-0323	7214731	1387978	8-68	2	300	20,865	3.63	757	29	14,670	3.57	523	11-71		40	1,035	.00	37	62
21-35-0332	6328169	1085978	3-65	5	301	19,018	3.36	639	16	14,616	3.46	505	12-71		44	976	-.04	29	53
21-35-0332	6689603	1482189	11-66	3	305	17,563	3.59	631	21	13,280	3.60	478	8-71		39	727	.01	27	44
21-35-0356	7219112	1458744	12-68	2	272	20,020	3.51	702	7	16,080	3.61	580	2-72	B	40	867	-.02	28	49
21-35-0357	6777475	1476679	3-67	3	305	17,493	3.61	631	43	14,026	3.54	497	12-71		38	734	-.01	25	43
21-35-0369	6700457	1261857	10-66	3	290	19,427	3.55	690	13	17,247	3.52	607	6-71		42	675	.06	33	48
21-35-0369	6700458	1291498	10-66	4	297	25,913	3.31	857	13	17,893	3.54	634	3-72		44	1,166	-.07	31	61
21-35-0369	7653349	1261857	1-69	2	276	19,295	3.43	662	22	16,680	3.55	592	2-72		40	693	.04	31	46
21-35-0381	6183483	1239886	7-64	5	304	20,968	3.80	796	14	16,428	3.81	626	7-71		44	730	.04	32	48
21-35-0385	7522899	1427381	8-69	1	305	18,300	3.50	641	27	13,890	3.64	505	12-71		36	1,092	.03	44	69
21-35-0388	7458672	1494593	8-69	1	95	18,910	3.33	630	17	14,770	3.52	520	10-71	B	27	672	.01	26	42
21-35-0388	7482974	1377691	10-69	1	46	21,190	3.88	823	9	15,500	3.34	518	12-71	B	36	687	.03	30	45
21-35-0407	6993212	1404202	11-67	3	299	24,826	2.71	672	5	18,046	3.35	605	3-72		42	1,166	-.19	13	46
21-35-0407	7544900	1377691	8-69	1	305	25,420	3.48	884	15	19,360	3.26	631	12-71		36	743	.00	27	45
21-35-0427	5163908	1150470	10-60	6	305	23,097	3.49	806	20	17,152	3.46	594	4-71		44	737	-.01	25	43
21-35-0427	5880455	1189870	4-63	5	304	23,292	3.93	915	16	16,582	3.59	596	3-72		44	1,091	.08	51	75
21-35-0439	7172253	1348259	8-68	2	294	22,630	3.42	774	25	17,460	3.36	587	11-71		40	822	.01	31	50
21-35-0450	7384245	1427381	4-69	1	305	20,960	3.01	630	46	17,210	3.65	628	1-72		36	1,068	-.02	35	61
21-35-0458	6944532	1404202	8-67	2	305	19,940	4.06	810	19	16,830	3.54	596	10-71		40	697	.01	27	43
21-35-0458	7399705	1348259	1-69	1	305	22,980	3.37	774	12	15,330	3.57	547	4-71		36	860	-.02	28	49
21-35-0464	7239897	1386406	12-68	2	305	22,270	3.09	688	15	15,850	3.55	563	3-72		40	910	-.06	24	47
21-35-0466	6716418	1348259	2-67	3	305	22,490	3.57	802	25	17,917	3.42	613	11-71		42	823	.02	33	52
21-35-0486	7103392	1348259	8-66	3	305	17,563	3.88	681	19	14,487	3.58	519	3-72		42	612	.05	29	42
21-35-0489	7006989	1272013	7-67	3	305	22,923	3.25	745	17	17,947	3.38	606	12-71		42	852	-.07	20	42
21-35-0507	6555328	1278644	2-66	4	305	19,187	3.71	712	28	14,022	3.72	522	10-71		44	954	-.04	28	52
21-35-0507	7433269	1312008	3-69	1	305	21,040	3.98	838	32	15,270	3.65	557	12-71		36	540	.09	33	43
21-35-0518	7659098	1404202	10-69	1	305	21,050	3.60	758	8	14,420	3.73	538	3-72		36	873	-.07	21	44
21-35-0525	6179809	1085978	8-64	4	305	19,243	3.16	609	27	15,435	3.52	543	1-71		44	894	-.08	20	43
21-35-0525	7268182	1404202	9-68	1	305	20,720	3.80	788	30	14,640	3.68	539	10-71		36	834	-.04	24	45
21-35-0537	6151108	1085978	8-64	3	288	16,887	3.60	608	15	12,750	3.58	456	11-71		42	877	-.02	29	50
21-35-0582	5713366	1085978	11-62	2	305	19,735	3.69	729	51	16,300	3.48	567	10-71		40	803	.01	30	49
21-35-0582	7101078	1438533	12-67	2	297	21,630	3.33	721	26	17,380	3.46	601	10-71		34	847	-.06	22	44
21-35-0582	7331452	1458744	5-69	1	305	17,750	3.43	609	20	14,100	3.60	507	1-72		36	749	-.02	24	42
21-35-0584	6401897	1242163	3-65	3	305	22,127	3.45	763	21	16,550	3.52	583	1-72		42	1,000	-.12	18	45
21-35-0596	6868323	1469311	3-67	4	290	18,448	3.90	720	13	15,668	3.64	571	2-72		43	540	.08	31	42
21-35-0612	5953076	1085978	8-63	7	292	16,821	3.53	594	24	14,163	3.53	500	11-71		44	745	-.02	24	42
21-35-0612	5953080	1276654	10-63	6	305	20,765	3.17	658	20	14,505	3.49	506	8-71		44	931	-.07	23	47
21-35-0677	6855813	1329588	12-66	3	305	18,277	3.72	679	20	13,740	3.65	501	10-71		42	715	.00	26	43
21-35-0746	6529922	1179372	1-66	4	298	17,788	3.49	621	18	13,408	3.56	477	7-71		44	720	.00	26	43
21-35-0915	6150602	1413705	5-64	4	291	16,860	3.81	643	5	13,140	3.52	463	12-71		41	506	.09	32	42
21-35-0964	7411810	1458744	4-69	1	305	22,050	3.41	753	19	13,520	3.48	471	1-72		36	1,108	-.02	37	64
21-35-0964	7465105	1458744	6-69	1	305	20,970	3.23	678	20	14,850	3.41	506	10-71		36	938	-.03	29	52
21-37-0033	6007256	1085978	11-63	6	305	21,863	3.28	718	20	16,482	3.60	593	6-71		44	1,126	-.07	29	58
21-37-0033	6961824	1450228	9-67	3	305	21,926	3.58	785	24	16,330	3.64	595	12-71		41	1,200	-.03	38	68
21-37-0033	7435977	1447141	9-69	1	305	21,970	3.38	742	38	16,310	3.60	587	10-71		36	679	.03	29	44
21-37-0064	7294358	1496245	10-68	1	285	17,430	4.48	780	15	13,530	3.81	515	8-71		30	581	.07	32	44
21-37-0064	7399010	1273756	10-68	2	305	18,500	3.84	710	6	15,360	3.86	593	12-71		40	645	.03	28	43
21-37-0080	7364420	1375967	4-69	1	225	22,620	3.52	796	11	13,820	3.73	516	7-71	B	36	919	-.09	20	44
21-37-0084	6799703	1406271	12-66	3	305	19,110	3.75	716	33	16,543	3.69	610	10-71		42	691	.05	32	47
21-37-0095	6414093	1348259	8-65	3	305	21,047	3.31	697	35	16,747	3.48	582	11-71		42	778	-.03	24	43
21-37-0095	6448333	1085978	9-65	5	293	20,250	3.33	674	36	16,932	3.44	582	10-71		44	866	-.04	25	47
21-37-0096	7359770	1458744	7-69	1	305	20,590	3.74	770	27	15,620	3.52	550	9-71		36	858	.01	33	53
21-37-0096	7386565	1458744	8-69	1	305	20,920	3.48	727	15	16,540	3.47	574	11-71		36	821	-.01	28	48
21-37-0108	7357222	1458744	4-68	2	275	17,505	3.16	554	17	10,760	3.72	400	10-71		40	1,098	-.06	30	58
21-37-0108	7370585	1458744	12-68	1	305	15,640	4.02	628	6	12,900	3.77	486	6-71		36	672	.02	27	43
21-37-0139	6707078	1278644	8-66	4	304	20,272	3.62	734	11	15,742	3.52	554	8-71		44	897	-.03	27	49
21-37-0139	6707079	1278644	9-66	2	305	20,790	3.48	723	6	16,235	3.49	566	8-70		40	821	-.05	22	43
21-37-0139	6707081	1278644	10-66	3	302	21,826	3.56	776	12	17,053	3.47	592	12-70		42	968	-.04	27	5[illegible]
21-37-0139	7006181	1278644	10-67	2	305	21,855	3.13	685	10	16,205	3.43	556	7-71		40	932	-.10	19	44
21-37-0139	7483119	1491165	8-69	2	297	22,690	3.63	823	6	18,005	3.38	609	11-71		25	639	.04	29	43
21-37-0139	7599642	1404202	5-70	1	305	23,200	3.50	811	11	17,360	3.38	586	1-72		36	836	-.05	22	43
21-37-0161	6167981	1085978	8-64	6	299	19,353	3.87	749	5	17,587	3.57	627	1-72	H	44	674	.03	29	44
21-37-0168	7258577	1458744	8-68	1	305	21,760	3.81	829	10	16,830	3.56	599	2-71		36	864	.02	34	54
21-37-0538	6526927	1330987	2-65	2	305	20,860	3.78	789	34	16,600	3.64	605	3-72		40	754	.05	35	52
21-37-0538	6676157	1330987	1-65	2	305	19,940	3.80	757	47	17,045	3.65	622	12-71		40	619	.06	31	44
21-37-0538	6845559	1244845	1-66	4	305	22,198	3.51	779	59	16,540	3.69	611	10-71		44	924	-.05	25	48
21-37-0538	7382109	1348259	9-67	2	305	22,980	3.67	843	52	16,915	3.66	619	12-71		40	907	.01	35	56

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C O	REPT (%)	.......C O W MILK (LB)	I N D E X....... FAT (%)	FAT (LB)	DOL-LARS
21-37-0538	7400458	1347940	10-67	2	305	19,355	3.34	647	51	16,130	3.66	591	8-71		40	832	-.04	24	$ 45
21-37-0538	7652733	1347940	9-68	1	305	17,630	3.77	665	49	15,370	3.73	573	8-71		36	694	.01	26	42
21-37-0558	6260732	1363196	1-65	5	305	20,248	3.62	733	22	15,036	3.76	566	10-71		40	713	.02	29	45
21-37-0558	6408956	1451206	11-65	3	305	21,270	3.94	838	23	15,840	3.72	589	5-71		29	795	.05	37	54
21-37-0558	7550018	1487851	9-69	1	305	26,390	3.26	859	15	14,080	3.76	529	7-71		23	1,304	-.08	34	67
21-39-0012	6992873	1348259	7-67	1	305	19,340	3.81	737	18	14,790	3.40	503	8-71		36	625	.04	29	43
21-39-0025	6050721	1085978	1-64	5	305	21,210	3.89	826	25	17,750	3.57	634	2-71		44	895	.04	38	58
21-39-0025	6165072	1085978	9-64	3	300	21,937	3.53	775	23	18,080	3.63	656	2-72		42	906	-.03	28	50
21-39-0026	5743045	1285296	6-62	5	302	20,138	3.60	725	5	15,906	3.50	557	4-71		36	776	.01	30	48
21-39-0026	7289940	1427381	3-69	1	305	18,780	3.10	582	17	15,390	3.53	543	9-71		36	1,027	.00	37	61
21-39-0061	5611863	1367878	5-62	8	303	21,349	3.54	755	42	16,851	3.61	608	10-71		35	761	-.02	24	43
21-39-0235	6599558	1348259	1-66	3	305	18,637	3.50	652	13	14,640	3.62	530	6-71		42	719	-.01	25	42
21-39-0258	7007640	1348259	10-67	3	305	21,817	3.64	795	37	17,847	3.59	640	10-71		42	753	.02	30	47
21-39-0258	7271300	1377691	2-69	1	305	22,280	3.69	822	37	16,500	3.59	592	7-71		36	701	.00	25	42
21-39-0261	5541466	1239886	11-61	4	305	19,670	3.68	723	15	13,800	3.89	537	10-71		44	837	.01	32	52
21-39-0278	6814058	1278644	1-67	3	305	20,673	3.61	747	21	16,836	3.49	587	10-71		42	798	-.03	24	44
21-39-0478	6893032	1278644	12-66	4	304	18,897	3.33	629	17	14,390	3.58	515	2-72		44	877	-.08	19	42
21-39-0527	7424681	1458744	7-68	2	305	18,740	3.37	631	13	14,015	3.54	496	3-72		40	925	-.03	29	52
21-39-0529	6270568	1085978	12-64	6	295	23,455	3.33	782	29	18,873	3.60	680	2-72		44	1,054	-.07	27	54
21-39-0529	6828726	1221835	1-66	4	301	22,748	3.49	795	29	18,960	3.53	669	7-71		44	759	-.02	24	43
21-39-0529	7005663	1221835	11-66	3	305	23,567	3.50	825	37	19,833	3.49	692	3-71		42	734	-.02	24	42
21-39-0628	6886222	1398216	10-67	1	305	17,820	3.54	631	23	12,050	3.42	412	9-71		36	778	-.04	22	42
21-39-0678	6416802	1278644	9-65	5	305	21,772	3.56	775	25	17,074	3.55	606	4-72		44	957	-.04	28	52
21-40-0023	5231077	1085978	9-60	7	305	24,334	3.51	853	18	17,320	3.68	638	4-71		44	1,348	-.05	41	74
21-40-0023	6437435	1415089	8-65	5	298	21,804	3.88	845	32	17,696	3.66	648	10-71		36	765	.07	38	54
21-40-0023	6437441	1415089	10-65	5	294	22,928	3.38	774	18	17,954	3.69	662	4-72		36	898	-.05	25	48
21-40-0023	6937765	1458744	9-67	2	303	19,805	3.75	743	37	17,545	3.69	648	7-71		40	711	.00	26	43
21-40-0023	6987655	1458744	9-67	2	305	24,390	3.44	838	27	18,180	3.71	674	2-72		40	1,119	-.04	34	62
21-40-0024	7594175	1504686	10-68	2	299	19,020	3.71	706	21	15,440	3.39	524	2-72		38	611	.08	34	46
21-40-0040	5486581	1085978	11-61	8	302	18,674	3.47	648	14	15,525	3.65	566	1-72		44	826	-.04	23	44
21-40-0040	7341267	1458744	9-68	1	305	20,480	3.39	695	14	13,300	3.58	476	10-71		36	1,006	-.03	32	57
21-40-0050	6466430	1348259	3-65	5	305	19,342	3.26	630	26	14,670	3.61	529	9-71		44	854	-.05	23	45
21-40-0050	7332118	1490608	1-69	1	305	20,240	3.84	777	5	15,530	3.46	538	5-71		24	700	.04	31	47
21-40-0073	5953864	1245520	7-63	6	305	21,448	3.17	680	34	15,225	3.68	560	2-72		44	1,044	-.11	20	48
21-40-0073	6823228	1464428	10-66	2	305	20,720	3.33	691	31	15,545	3.60	559	4-71		37	1,023	-.11	20	47
21-40-0078	5943937	1085978	11-63	1	305	17,120	3.76	643	24	12,950	3.43	444	5-71		36	763	.00	28	46
21-40-0585	6549287	1278644	3-66	2	296	22,235	3.38	752	18	17,285	3.56	616	10-70		40	872	-.07	20	43
21-40-0585	6935904	1490608	10-67	2	305	22,400	3.83	858	16	17,255	3.59	619	1-71		30	898	.04	39	59
21-40-0585	7111154	1490608	7-68	2	305	21,760	3.24	704	13	16,795	3.42	574	8-71		30	871	-.04	25	47
21-40-0768	6983487	1473048	11-67	2	305	23,160	3.39	786	16	17,320	3.62	627	3-71		38	892	-.09	18	42
21-42-0015	5216010	1085978	11-60	9	303	20,400	3.70	754	13	16,641	3.64	606	7-71		44	919	-.01	32	54
21-42-0015	5934846	1085978	12-63	6	299	20,185	3.47	700	29	17,277	3.68	636	11-71		44	818	-.05	22	43
21-42-0015	6035810	1085978	1-64	6	303	19,893	3.49	694	16	17,030	3.66	623	9-71		44	809	-.05	22	43
21-42-0015	6405434	1278644	11-65	4	305	21,610	3.53	762	20	17,447	3.67	641	4-71		44	873	-.07	21	44
21-42-0015	7377254	1517540	7-69	1	305	22,220	4.16	924	15	18,030	3.61	651	2-72		30	454	.15	38	45
21-42-0022	7462694	1450228	8-69	1	294	22,970	3.13	719	33	15,930	3.52	561	1-72		35	1,130	-.08	29	58
21-42-0022	7462695	1450228	10-69	1	305	19,770	3.46	685	33	15,930	3.52	561	1-72		35	885	-.03	27	49
21-42-0027	7326825	1419528	4-69	1	305	22,900	3.59	823	18	17,260	3.49	602	8-71		36	705	.03	30	46
21-42-0027	7424740	1406271	11-69	1	297	21,370	4.13	882	18	17,650	3.53	623	9-71		36	710	.10	40	54
21-42-0033	6985795	1261857	11-67	2	294	19,235	3.94	757	20	16,990	3.53	600	10-71		40	659	.11	40	53
21-42-0033	6985796	1261857	11-67	2	305	19,425	4.18	812	18	16,925	3.51	594	11-71		40	684	.14	46	58
21-42-0114	6670999	1261857	9-66	4	273	21,168	3.54	750	17	17,375	3.68	640	12-71		44	887	.03	37	57
21-42-0114	6919636	1261857	7-67	2	305	20,600	3.96	816	27	18,005	3.58	645	2-71		40	705	.10	41	55
21-42-0132	6474399	1309574	2-66	5	293	18,282	3.69	674	92	14,582	3.57	521	1-72		44	682	.06	33	48
21-42-0132	6834078	1261857	7-67	3	299	19,120	3.88	742	78	14,690	3.56	523	10-71		42	904	.10	48	67
21-42-0137	6110957	1085978	4-64	4	305	19,003	3.67	697	14	14,708	3.56	523	4-71		44	945	-.01	33	56
21-42-0155	5524655	1085978	9-61	8	298	19,364	3.56	689	17	16,579	3.66	606	1-72		44	793	-.03	24	44
21-42-0155	7353208	1408080	11-68	2	305	22,505	3.73	839	18	18,095	3.77	682	1-72		40	812	-.03	25	45
21-42-0160	5952096	1085978	11-63	5	298	19,652	3.58	703	10	17,218	3.50	602	2-72		44	756	-.01	26	44
21-42-0160	6462058	1278644	1-66	4	304	21,960	3.41	748	15	17,630	3.53	623	3-72		44	896	-.07	22	45
21-42-0160	6798201	1348259	3-67	3	301	21,277	3.61	769	20	17,840	3.45	615	10-71		42	692	.03	29	45
21-42-0162	6784821	1278644	8-66	4	302	22,425	3.26	730	38	16,927	3.49	590	10-71		44	1,031	-.09	23	50
21-42-0172	6733204	1261857	10-66	2	305	21,060	3.17	667	18	18,445	3.36	619	9-71		40	711	.02	29	45
21-42-0172	7448768	1312008	9-68	2	305	23,385	3.27	764	16	18,295	3.35	612	9-71		40	653	.03	28	43
21-42-0187	6320327	1244009	1-65	5	286	17,454	3.67	641	18	14,704	3.46	509	3-72		44	749	-.01	26	44
21-42-0221	6338692	1442941	5-65	4	305	22,590	3.36	759	21	17,348	3.82	662	1-71		34	1,053	-.11	21	49
21-42-0221	6475512	1085978	8-64	6	295	19,730	3.50	691	23	16,945	3.60	610	12-71		44	797	-.04	23	43
21-42-0221	6955246	1476012	6-67	3	305	19,440	3.75	729	22	16,476	3.70	609	1-72		34	829	-.02	27	47
21-42-0221	7127680	1476012	4-68	2	305	24,330	3.62	881	26	16,395	3.73	611	12-71		31	1,385	-.04	43	77
21-42-0221	7127682	1476012	8-68	2	304	21,315	3.32	708	32	16,345	3.71	607	9-71		31	1,037	-.09	23	50
21-42-0221	7337799	1476012	1-69	1	305	23,010	3.95	909	8	17,940	3.76	675	3-71		26	935	.00	33	55
21-42-0227	6233711	1085978	2-65	4	296	15,280	3.66	560	19	12,130	3.68	446	7-71	B	44	772	-.02	25	44
21-42-0254	6168638	1330987	9-64	5	305	19,002	3.42	649	13	15,848	3.64	577	8-71		44	704	.00	25	42
21-42-0269	6204753	1085978	12-64	4	305	17,458	3.92	684	20	15,693	3.57	561	7-71		44	645	.03	28	43
21-42-0271	6771323	1330987	2-67	3	296	16,840	3.85	649	24	14,187	3.51	498	7-71		42	592	.08	33	45
21-42-0271	7229957	1427381	11-68	1	305	19,400	3.80	737	12	14,930	3.49	521	3-72		36	1,104	.07	50	74
21-42-0292	6275247	1239886	8-64	6	303	23,400	3.42	800	20	19,047	3.54	674	12-71		44	740	.00	27	45
21-42-0292	6480300	1278644	9-65	4	301	24,270	3.16	768	6	18,402	3.56	655	4-71		44	1,095	-.13	20	50
21-42-0292	7245223	1348259	8-68	2	302	25,865	3.22	832	35	18,640	3.54	659	9-71		40	1,042	-.05	30	56
21-42-0310	6710483	1278644	8-66	4	291	20,765	3.38	701	14	16,267	3.60	586	1-72		44	899	-.08	20	44
21-42-0334	7414882	1408080	8-68	1	305	22,560	3.38	762	31	15,540	3.60	559	10-70		36	879	-.06	23	45
21-42-0345	7988535	1347940	1-70	1	305	18,740	3.26	611	21	15,060	3.72	560	1-72		36	797	-.04	23	43
21-42-0353	6399018	1330987	9-65	4	304	23,005	3.68	846	21	17,685	3.73	659	2-71		44	979	.03	40	62
21-42-0353	7483075	1427381	11-69	1	305	21,180	3.96	838	19	17,390	3.74	651	12-71		36	1,072	.07	49	73
21-42-0384	6002019	1237057	11-63	7	305	20,684	3.19	659	19	15,863	3.45	548	3-72		44	901	-.09	19	43

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVED MO-YR	T C O	REPT (%)	.......C O W MILK (LB)	I N D E X....... FAT (%)	FAT (LB)	DOL-LARS
21-42-0391	7348318	1273756	8-67	1	305	16,280	3.62	589	30	11,510	3.48	400	8-71		36	671	.04	30	$ 45
21-42-0394	6724634	1312008	1-67	3	303	23,833	3.67	875	20	19,337	3.58	692	1-71		42	668	.07	34	48
21-42-0394	7294345	1419528	9-68	1	305	27,650	3.43	948	19	19,630	3.52	691	2-71		36	900	.01	34	55
21-42-0404	6712828	-1348259	3-66	2	305	22,950	3.10	711	29	14,300	3.38	483	7-71		40	1,143	-.05	34	63
21-42-0404	7288764	010275932	5-67	3	291	20,953	3.61	757	20	15,350	3.43	526	11-71		42	774	.04	34	51
21-42-0404	7339110	010275932	11-68	1	300	22,570	3.54	799	24	15,230	3.26	496	9-71		36	684	.04	30	45
21-42-0404	7505044	1290716	3-69	2	278	19,605	3.91	766	33	15,400	3.44	530	11-71		40	437	.14	37	44
21-42-0429	6899687	1278644	7-67	2	305	21,185	3.30	699	26	15,155	3.54	536	4-71		40	960	-.08	22	47
21-42-0429	6980516	1473442	10-67	2	305	22,885	3.55	813	20	18,055	3.67	662	12-70		39	913	-.06	24	47
21-42-0435	6776961	1261857	10-66	4	299	15,765	3.41	537	25	13,118	3.76	493	9-71		44	693	.01	27	43
21-42-0435	7301511	1261857	12-68	2	277	16,855	3.77	635	36	14,175	3.67	520	12-71		40	675	.07	35	49
21-42-0471	6867218	1476012	4-67	3	285	19,083	3.51	669	13	16,310	3.53	576	11-71		34	802	-.04	23	43
21-42-0471	6867221	1476012	5-67	3	305	20,790	3.27	680	8	15,553	3.48	542	11-71		34	1,117	-.08	28	57
21-42-0471	6994162	1261857	9-67	3	305	17,257	3.63	627	16	15,263	3.52	537	4-72		42	631	.07	33	46
21-42-0471	7273979	1261857	12-67	2	305	18,535	3.65	676	9	13,735	3.52	484	8-71		40	885	.07	42	61
21-42-0493	6821287	1261857	11-66	3	305	17,130	4.06	695	14	14,150	3.65	516	4-71		42	731	.11	43	57
21-42-0554	6003415	1085978	8-63	6	305	18,088	3.33	603	19	14,602	3.65	533	12-71		44	858	-.07	21	43
21-42-0581	7676935	1377691	12-68	2	305	22,470	3.32	747	25	16,520	3.52	582	12-71		40	865	-.05	24	46
21-42-0711	6044130	1085978	10-63	7	304	21,410	3.46	741	20	17,821	3.52	628	3-72		44	912	-.03	28	51
21-42-0711	7026715	1454800	12-67	2	305	25,145	3.36	846	20	17,290	3.52	608	8-71		39	901	-.03	28	50
21-42-0746	5724344	1371909	8-62	6	299	17,152	4.14	710	23	13,990	3.67	513	2-71		39	442	.15	38	45
21-42-0746	6398199	1085978	7-65	5	301	17,346	3.61	626	32	13,602	3.69	502	11-71		44	878	-.02	28	50
21-42-0806	5669213	1085978	9-62	7	295	20,933	3.22	673	25	17,623	3.47	612	1-71		44	874	-.07	21	44
21-42-0806	6290209	1312008	11-64	5	305	26,958	3.09	834	20	17,152	3.55	609	10-71		44	1,391	-.06	41	76
21-42-0806	7264229	1347940	11-68	2	305	25,570	3.19	816	25	17,890	3.47	621	3-72		40	1,302	-.06	38	71
21-42-0806	7334123	1222994	11-67	2	305	21,995	3.23	710	22	16,755	3.46	580	5-71		40	830	-.03	25	46
21-42-0806	7593785	1261857	8-68	2	269	19,845	3.53	701	20	17,510	3.43	600	3-72	8	40	673	.06	34	48
21-42-0806	7848740	1508685	7-69	1	305	23,550	3.34	787	14	17,410	3.49	607	4-72		35	852	-.07	20	42
21-42-0852	6521908	1406271	2-66	4	305	18,288	4.05	740	37	15,000	3.51	527	11-71		44	776	.11	44	6[illegible]
21-42-0877	5559712	1085978	8-61	8	298	17,200	4.16	716	10	14,910	3.53	527	7-71		44	707	.07	36	51
21-43-0003	5867534	1252934	9-62	7	303	17,819	4.06	724	10	14,047	3.61	507	4-72		44	613	.09	35	47
21-43-0042	6100082	1312008	1-64	6	304	20,297	3.66	742	7	16,602	3.66	608	9-71		44	596	.05	29	42
21-43-0048	6695769	1347940	10-66	3	183	19,206	3.58	687	28	14,903	3.64	542	10-70	8	42	971	-.01	34	57
21-43-0716	5958559	1085978	7-63	6	305	19,850	3.29	654	27	15,340	3.57	548	11-71		44	999	-.07	26	52
21-43-0773	6924488	1404202	9-67	2	305	21,225	3.52	748	21	16,775	3.52	591	9-71		40	832	-.06	21	42
21-44-0015	5122740	1085978	2-60	9	303	17,312	3.45	598	12	13,908	3.62	503	11-71		44	838	-.04	24	45
21-44-0015	5890304	1221835	8-62	7	305	18,287	3.43	628	14	13,926	3.63	506	7-71		44	787	-.04	22	42
21-44-0015	7221633	1387978	12-68	2	295	21,515	3.26	701	13	16,300	3.71	605	2-72		40	952	-.07	24	49
21-44-0033	6531635	1285951	9-64	4	305	20,680	3.66	756	11	14,623	3.48	509	4-71		44	660	.07	35	49
21-44-0036	4804463	1299486	12-58	10	304	22,219	3.22	715	18	16,421	3.45	566	2-71		35	933	-.06	24	48
21-44-0036	6654715	1467024	9-66	3	305	21,363	3.60	769	21	16,290	3.36	547	5-71		32	918	.02	36	57
21-44-0036	6654719	1467024	10-66	3	305	20,576	3.24	667	29	16,183	3.31	535	9-71		32	825	-.04	23	44
21-44-0036	6943667	1404202	9-67	2	299	23,340	2.98	695	25	17,100	3.20	547	6-71		40	1,017	-.11	20	47
21-44-0036	6951947	1467024	9-67	3	304	21,386	3.13	669	25	16,723	3.25	543	1-72		32	869	-.05	23	45
21-44-0036	6982807	1467024	7-67	2	305	21,830	3.02	659	29	16,780	3.25	545	8-71		29	848	-.07	20	42
21-44-0036	7219040	1387978	12-68	1	305	22,160	3.89	861	43	17,630	3.30	582	8-71		36	791	.05	36	53
21-44-0048	5980712	1245520	2-63	6	304	22,220	3.32	738	10	17,830	3.50	624	7-71		44	841	-.07	20	42
21-44-0048	6569743	1348259	1-66	4	305	22,055	3.40	749	11	18,113	3.46	626	10-71		44	784	-.01	27	46
21-44-0048	6862624	1348259	4-67	3	304	23,093	3.14	725	11	17,440	3.43	599	2-72		42	942	-.05	26	50
21-44-0056	7122678	1387978	6-68	2	298	18,105	3.40	616	38	14,695	3.49	513	7-71		40	753	-.02	24	42
21-44-0066	5225674	1085978	9-60	9	297	16,352	3.80	621	21	14,293	3.53	505	8-71		44	670	.02	27	42
21-44-0066	6451396	1470740	9-65	5	292	21,314	3.18	678	30	15,734	3.42	538	1-72		32	906	-.06	23	46
21-44-0066	6740898	1312008	12-65	5	301	20,812	3.82	794	35	15,696	3.42	537	12-71		44	768	.11	44	59
21-44-0066	7244103	1348259	7-68	1	305	22,980	3.06	703	36	16,040	3.41	547	1-71		36	812	-.04	23	43
21-44-0143	6135871	1312008	6-64	5	305	23,522	3.41	802	18	17,346	3.66	634	11-71		44	926	.00	33	55
21-44-0143	6633941	1278644	3-66	4	305	21,975	3.58	786	26	16,715	3.68	615	9-71		44	999	-.06	27	52
21-44-0143	6794071	1453591	4-67	3	305	21,690	3.42	741	20	16,936	3.61	612	8-71		33	873	-.05	24	46
21-44-0177	6670130	1237057	6-66	3	305	24,060	3.32	798	17	17,223	3.58	616	11-71		42	1,088	-.09	26	54
21-44-0178	6407613	1453591	12-65	4	305	21,290	3.31	705	11	15,330	3.66	561	1-71		35	1,068	-.07	27	55
21-44-0178	6923823	1312008	8-67	2	305	21,730	3.46	752	8	16,985	3.41	580	11-71		40	605	.05	29	42
21-44-0425	6361916	1085978	3-65	5	303	17,826	3.72	664	12	14,470	3.61	522	5-71		44	839	.00	30	50
21-44-0640	5699975	1221835	9-62	6	305	18,810	3.26	614	20	14,057	3.56	500	7-71		44	840	-.06	21	43
21-44-0640	6336416	1239886	12-64	4	305	18,793	3.62	680	20	14,710	3.53	519	3-71		44	628	.04	29	43
21-44-0933	6110521	1380181	6-64	4	286	23,033	3.73	860	26	17,515	3.55	621	1-71	8	30	886	.04	38	58
21-45-0002	6768346	1312008	12-66	3	305	18,767	3.84	720	17	15,043	3.52	529	3-72		42	529	.09	33	43
21-45-0009	6955449	1426912	9-67	2	305	23,610	3.37	796	27	16,385	3.48	571	4-71		32	1,049	.03	42	66
21-45-0009	7195007	1522458	10-68	2	305	23,340	3.02	704	30	15,930	3.41	543	11-71		25	957	-.09	21	46
21-45-0014	6818523	1379263	2-67	3	304	22,777	3.32	756	26	16,847	3.42	576	12-71		42	705	.00	26	43
21-45-0014	7283386	1499133	1-69	1	305	22,190	3.48	773	17	16,270	3.51	571	8-71		33	1,224	-.06	35	66
21-45-0031	7047952	1347940	5-68	1	305	17,680	3.42	604	15	12,810	3.75	480	8-71		36	869	-.02	28	49
21-45-0031	7127535	1347940	6-68	2	305	16,515	3.96	654	15	13,695	3.64	498	10-71		40	766	.04	33	50
21-45-0031	7127536	1347940	8-68	1	305	19,220	3.95	760	20	14,950	3.59	536	11-70		36	841	.04	36	55
21-45-0031	7186334	1347940	12-68	2	305	18,180	2.99	544	21	13,235	3.62	479	3-72		40	977	-.07	24	49
21-45-0048	6942681	1486708	9-67	3	305	24,970	2.84	709	9	17,460	3.17	553	3-72		29	1,114	-.11	23	53
21-45-0069	7202485	1387978	5-68	2	302	19,755	3.77	744	18	15,920	3.52	560	12-71		40	809	.02	32	51
21-45-0078	7087530	1458744	9-67	2	298	21,155	3.29	697	25	15,505	3.51	544	12-70		40	1,034	-.04	31	57
21-45-0141	6886180	1348259	9-67	3	305	20,833	3.54	738	17	15,797	3.45	545	8-71		42	852	.01	33	53
21-45-0142	6942780	1348259	11-67	2	305	24,090	3.26	785	6	17,320	3.25	563	5-71		40	983	-.01	34	58
21-45-0170	6301715	1312008	3-65	4	305	22,613	3.08	696	15	16,603	3.49	580	1-71		44	861	-.04	25	47
21-45-0170	7058139	1387978	1-68	2	292	20,320	3.72	755	16	15,555	3.43	534	9-71		40	899	.02	36	57
21-45-0171	6161674	1085978	9-64	5	305	27,080	3.50	949	10	20,804	3.75	781	5-71		44	1,298	-.06	37	7[illegible]
21-45-0171	6365563	1348259	3-65	5	303	25,190	3.50	882	16	20,972	3.64	764	10-71		44	877	-.02	28	50
21-45-0171	7355830	1419528	6-69	1	305	26,820	3.42	916	13	21,600	3.53	763	10-71		36	706	.01	27	44
21-45-0198	5057239	1143578	12-58	6	301	19,832	3.99	792	14	16,010	3.54	566	11-71		44	516	.10	34	44
21-45-0198	6218697	1085978	8-64	4	305	21,388	3.37	721	19	16,525	3.44	568	7-71		44	1,038	-.04	31	57

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C D	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
21-45-0198	7445763	1458744	4-69	1	283	19,170	3.60	691	36	16,840	3.32	559	7-71		36	671	.01	26	$ 42
21-45-0199	6963505	1348259	9-67	2	305	20,845	3.39	706	16	16,055	3.62	581	8-71		40	769	-.02	24	43
21-45-0235	5056335	1085978	10-59	8	304	17,351	4.10	711	8	15,674	3.48	545	10-71		44	638	.07	34	47
21-45-0238	6102163	1239886	2-64	6	304	20,685	3.88	803	12	16,865	3.52	594	11-71		44	643	.09	37	50
21-45-0288	5945831	1085978	12-63	7	296	20,020	3.62	724	13	15,756	3.69	582	12-71		44	973	-.03	31	55
21-45-C288	6480896	1433675	2-66	3	301	23,026	3.35	771	13	15,636	3.52	550	8-71		35	1,186	.00	43	71
21-45-0288	7028206	1433675	3-68	2	297	18,850	3.98	750	20	15,655	3.62	566	8-71		32	6C0	.10	36	48
21-45-C295	6233963	1433675	1-65	3	302	17,496	4.08	714	10	14,586	3.59	524	8-70		35	590	.11	38	49
21-45-C295	6480893	1433675	7-65	5	305	18,452	3.71	685	11	15,310	3.53	541	2-72		38	670	.07	34	48
21-45-0295	6727346	1433675	4-66	3	300	17,736	4.32	767	11	14,406	3.64	525	9-70		35	642	.15	45	56
21-45-0295	6800920	1433675	1-67	3	305	17,203	4.11	707	13	15,216	3.65	556	9-71		35	478	.11	34	42
21-45-0336	7344652	1387978	8-68	2	305	22,390	2.96	662	11	17,61D	3.18	560	10-71		40	922	-.06	24	48
21-45-0400	6101869	1426912	3-64	4	305	19,735	3.85	760	21	16,465	3.67	605	4-71		37	667	.09	37	51
21-45-0400	6142638	1426912	7-64	4	305	21,975	3.35	737	18	16,410	3.70	607	1-71		37	985	-.01	34	58
21-45-C400	7232341	1426912	1-69	1	305	19,970	3.79	757	22	15,540	3.65	567	11-71		27	597	.08	33	45
21-45-0409	6039837	1085978	11-63	2	292	19,500	3.50	682	6	16,495	3.50	577	2-71	B	40	762	-.02	24	43
21-45-0410	7082316	1387978	4-68	2	305	17,710	3.56	630	23	13,290	3.71	493	11-71		40	841	-.02	27	48
21-45-0410	7249301	1458744	11-68	1	305	18,610	3.19	593	13	13,760	3.79	522	3-71		36	835	-.05	22	43
21-45-0436	6830705	1413165	2-67	2	295	21,885	3.07	672	8	12,970	3.49	453	1-71	B	40	1,222	-.15	21	54
21-45-0458	6143264	1239886	11-62	6	303	20,378	4.31	879	7	18,618	3.47	646	5-71		44	400	.18	41	46
21-45-C551	6933713	1239242	8-67	2	256	23,920	3.62	867	9	16,240	3.65	592	6-71	B	40	958	.0C	34	57
21-45-C599	7348482	1419528	1-69	1	305	19,290	3.76	726	7	14,340	3.74	536	7-71		36	632	.03	28	42
21-45-0607	6799190	1348259	1-67	3	303	19,310	3.50	675	26	15,490	3.49	541	10-71		42	709	.00	26	43
21-45-0621	7598571	1427381	9-69	1	305	22,190	3.70	822	30	17,100	3.49	597	10-71		36	1,167	.06	51	77
21-45-C725	6033365	1221835	12-63	5	304	19,566	3.51	686	8	15,318	3.60	552	1-71		44	791	-.02	25	44
21-45-0740	5982939	1213164	8-63	6	305	21,685	4.09	887	19	15,385	3.48	536	3-72		44	652	.12	42	54
21-45-0740	6073830	1361131	1-64	4	305	20,573	3.88	799	22	14,955	3.36	503	9-71		33	889	.09	46	65
21-45-C772	6586730	1464059	3-66	4	305	20,170	3.83	772	36	16,455	3.57	587	10-71		30	596	.C6	30	43
21-45-C772	7102138	1492241	2-68	2	305	20,445	3.51	717	25	16,930	3.64	617	8-71		36	750	-.03	23	42
21-45-C772	7159598	1458744	7-68	2	305	19,800	3.46	685	32	16,545	3.70	612	8-71		40	8C2	-.03	24	44
21-45-0772	7711389	1458744	2-69	1	305	22,210	3.91	869	21	16,410	3.78	621	6-71		36	926	.02	36	58
21-45-C772	7711392	1427381	9-69	1	305	27,600	3.17	875	51	18,120	3.48	630	12-71		36	1,5C1	-.01	53	89
21-45-C777	5199461	1085978	1-60	8	305	19,826	3.56	705	9	15,644	3.61	565	3-72		44	961	-.03	30	54
21-45-0888	6835410	1458744	7-67	2	305	18,660	3.60	671	11	15,185	3.33	506	7-71		40	810	.02	32	51
21-45-0987	6541951	1348259	12-65	4	304	23,570	3.62	854	10	16,893	3.56	602	1-72		44	1,1C6	.01	42	68
21-45-C987	6743111	1085978	8-66	3	301	19,053	3.93	748	13	16,003	3.53	565	11-71		42	790	.04	34	52
21-45-0987	6851377	1278644	8-67	1	290	24,870	3.10	771	14	15,850	3.42	542	11-70	H	36	1,044	-.09	23	5C
21-45-0987	6884806	1261857	10-67	2	305	23,995	3.55	851	12	17,155	3.52	603	1-72		40	1,127	.05	49	74
21-47-0015	6077785	1351089	2-64	5	303	24,630	3.87	954	23	16,862	3.33	562	3-71		36	1,192	.13	64	89
21-47-0015	6135124	1416798	9-64	6	304	22,715	2.90	658	40	16,678	3.48	580	2-72		33	1,059	-.16	14	44
21-47-0043	6032676	1085978	10-63	6	305	21,580	3.63	783	8	16,622	3.44	572	5-71		44	1,074	.01	40	65
21-47-0043	7103767	1404202	7-68	2	305	24,570	3.35	824	27	17,885	3.42	611	10-71		40	1,070	-.07	27	55
21-47-C061	5882784	1240125	9-63	6	273	22,270	3.12	695	14	17,787	3.42	609	5-71	B	44	883	-.07	21	44
21-47-0061	7202073	1516360	11-68	1	241	21,970	3.62	796	17	19,670	3.40	669	1-71	B	33	739	.02	30	47
21-48-0020	7296996	1379208	3-69	1	305	23,180	3.55	822	21	17,230	3.61	622	8-71		35	776	.00	28	46
21-48-C060	6990932	1278644	10-67	1	305	23,530	3.38	796	15	16,770	3.53	592	8-71		36	883	-.C7	21	44
21-48-0062	5983300	1085978	7-63	7	302	20,029	3.25	651	18	15,346	3.64	558	1-72		44	1,022	-.08	24	51
21-48-C074	6459062	1438006	8-65	4	304	18,343	3.51	643	34	13,433	3.82	513	10-71		41	931	-.01	32	54
21-48-0074	7514093	1419528	9-68	2	305	20,035	3.55	711	31	13,250	3.77	500	12-71		40	925	.0C	34	56
21-48-C081	6335463	1239886	8-64	6	305	22,963	3.47	796	29	18,817	3.50	658	3-72		44	710	.02	28	44
21-48-C081	6701225	1278644	9-66	4	299	24,020	3.32	798	28	18,990	3.54	672	1-72		44	999	-.09	22	48
21-48-0081	6853540	1464428	3-67	2	305	21,555	3.60	775	25	17,720	3.68	652	8-71		37	904	-.08	20	44
21-48-0097	7146249	1377691	9-68	2	305	21,825	3.55	774	20	16,745	3.65	611	1-72		40	779	-.03	24	43
21-48-C097	7509956	1520161	10-69	1	303	21,370	3.97	849	21	16,820	3.57	601	9-71		32	848	.14	52	68
21-48-0121	5420125	1085978	8-61	7	305	23,766	3.60	855	16	17,860	3.57	638	4-72		44	1,212	-.02	41	7C
21-48-0131	6735841	1312008	12-66	3	303	22,377	3.18	711	34	16,400	3.60	590	2-71		42	8C4	-.02	26	46
21-48-C136	6808844	1417208	2-67	3	305	17,470	3.94	689	29	15,580	3.56	554	8-71		42	6C4	.06	31	44
21-48-C155	6305126	1085978	11-64	1	305	17,280	3.86	667	15	13,310	3.67	488	2-72		36	750	-.01	26	44
21-48-C182	6413334	1348259	11-65	3	305	21,533	3.32	715	32	17,323	3.51	608	11-71		42	775	-.03	24	43
21-48-0182	7140218	1349319	8-68	2	305	23,845	3.28	783	20	17,115	3.51	600	9-71		40	838	-.06	21	43
21-48-0182	7280432	1404202	12-68	1	249	24,560	3.21	789	35	17,660	3.48	614	1-71	H	36	917	-.09	19	43
21-48-C205	7472891	1508685	7-69	1	305	26,400	3.10	819	13	17,870	3.54	633	9-71		35	1,038	-.11	20	48
21-48-0229	6594531	1085978	2-65	5	296	17,716	3.84	681	2C	15,624	3.66	572	8-71		44	691	.01	27	43
21-48-0229	6729096	1348259	12-66	3	305	21,577	3.82	824	23	14,837	3.67	544	3-72		42	1,037	.04	43	67
21-48-0229	7165303	1278644	9-68	2	305	20,345	3.49	710	33	14,955	3.72	557	10-71		40	893	-.07	21	44
21-48-0229	7306453	1377691	3-69	1	305	21,740	4.40	956	34	14,670	3.72	545	10-71		36	784	.06	38	55
21-48-0229	7306455	1499133	4-69	1	305	23,760	3.48	828	35	14,950	3.77	563	9-71		33	1,442	-.08	40	76
21-48-0229	7415245	1377691	8-69	1	305	20,920	3.76	786	33	14,720	3.72	547	9-71		36	719	-.01	25	42
21-48-C243	5987625	1085978	11-63	5	305	21,582	3.32	716	20	18,340	3.62	664	12-71		44	874	-.08	20	43
21-48-0249	7260998	1458744	12-68	2	305	19,420	3.33	646	17	13,565	3.43	465	1-72		40	1,036	-.03	33	58
21-48-0249	7452425	1427381	10-69	1	305	15,590	3.52	548	19	12,900	3.52	454	10-71		36	957	.04	40	62
21-48-C249	7452426	1427381	10-69	1	305	17,460	3.33	582	19	12,900	3.52	454	10-71		36	1,096	.02	43	68
21-48-0344	6735958	1239242	10-66	4	305	23,163	3.26	756	50	17,010	3.77	642	1-72		44	943	-.09	20	45
21-48-0344	6990951	1496919	11-67	3	305	22,113	3.76	832	44	16,473	3.75	617	4-72		32	979	.03	40	62
21-48-0344	7032677	1496919	12-67	1	305	22,140	3.76	832	56	15,890	3.82	607	10-70		23	783	.02	31	49
21-48-0344	7239434	1496919	6-68	2	302	18,730	4.39	822	44	16,295	3.79	617	2-72		29	5C6	.11	35	44
21-48-0344	7239441	1496919	11-68	2	305	20,580	3.77	776	41	16,610	3.76	625	2-72		29	696	.03	29	45
21-48-C441	6564215	1085978	1-66	4	302	22,183	3.70	820	43	18,425	3.51	646	9-71		44	925	.01	35	57
21-48-C583	7202185	1361933	1-67	2	305	21,115	3.63	766	17	15,445	3.77	582	3-71		40	813	-.04	23	43
21-49-C004	6779382	1261857	3-67	3	301	20,043	3.66	734	17	17,363	3.50	608	4-72		42	734	.08	38	53
21-49-0014	6341532	1348259	8-65	5	281	19,644	3.64	716	27	15,738	3.62	570	12-71	B	44	769	.01	29	47
21-49-0014	6620840	1348259	8-66	3	305	22,093	3.44	760	32	15,787	3.55	560	6-71		42	998	-.01	34	58
21-49-C014	6620841	1348259	9-66	3	301	22,737	3.31	752	26	16,103	3.56	573	4-71		42	1,039	-.04	32	58
21-49-0014	6731337	1471438	12-66	3	288	20,590	3.65	751	31	16,413	3.57	586	9-71	B	39	649	.03	28	43
21-49-0020	6299024	1348259	4-65	3	302	22,223	3.91	869	43	16,903	3.66	619	7-71	B	42	897	.05	40	6C

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C O	REPT (%)	.......C O W MILK (LB)	I N D E X....... FAT (%)	FAT (LB)	DOL-LARS
21-49-0020	6449734	1442431	10-65	4	305	22,237	3.55	790	36	16,775	3.71	623	3-71		42	839	-.05	23	$ 44
21-49-0020	7424594	1520161	9-69	1	141	20,080	3.24	650	56	17,570	3.64	639	10-71	B	32	690	.06	34	49
21-49-0036	7603245	1387978	7-69	1	292	22,420	3.18	714	10	16,770	3.38	567	1-72		36	868	-.03	26	48
21-49-0039	6116035	1239886	3-64	5	305	19,338	3.70	716	23	14,942	3.60	538	11-71		44	692	.05	32	47
21-49-0046	7323737	1383004	12-68	2	305	22,910	3.81	874	8	17,950	3.53	633	4-72		40	500	.14	39	47
21-49-0046	7644234	1427381	8-69	1	305	24,830	3.35	832	31	17,450	3.47	606	11-71		36	1,340	.02	51	82
21-49-0046	7696547	1427381	10-69	1	305	22,560	3.33	751	36	17,250	3.46	596	10-71		36	1,184	.02	46	74
21-49-0054	7095684	1387978	2-68	1	305	20,250	4.39	889	18	15,310	3.56	545	12-70		36	804	.07	40	57
21-49-0054	7416203	1387978	8-69	1	305	17,890	3.24	579	10	11,630	3.74	435	9-71		36	875	-.05	24	46
21-49-0055	6930637	1492023	11-67	2	305	23,540	3.29	775	17	18,180	3.48	632	3-71		35	869	-.05	23	45
21-49-0061	6232395	1245520	2-65	5	305	21,182	3.22	683	5	16,112	3.38	544	5-71		44	907	-.07	22	46
21-49-0075	6414292	1221835	10-65	5	298	22,854	3.17	725	27	18,248	3.30	602	12-71		44	875	-.05	24	46
21-49-0089	6691330	1473251	8-66	4	299	21,675	3.51	760	28	16,365	3.48	570	2-72		30	837	.00	30	50
21-49-0089	6737644	1425137	12-66	4	305	22,133	3.59	794	36	16,670	3.48	580	2-72		44	745	.01	28	46
21-49-0089	7217954	1427381	1-69	1	285	19,850	3.49	692	36	17,280	3.42	591	8-71		36	980	.04	42	64
21-49-0089	7270880	1458744	10-68	2	305	18,610	3.79	705	39	16,720	3.44	575	1-72		40	665	.03	29	44
21-49-0089	7426215	1458744	1-69	1	305	21,580	3.20	690	46	16,770	3.49	585	9-71		36	855	-.04	25	46
21-49-0148	6996529	1458744	12-67	3	300	24,253	3.14	761	33	19,113	3.29	629	1-72		42	1,080	-.05	31	58
21-49-0148	7008316	1494058	9-67	2	305	25,150	3.03	763	28	18,495	3.45	639	7-71		28	1,052	-.11	21	49
21-49-0148	7151462	1458744	3-68	3	305	21,983	3.14	690	26	18,860	3.30	622	3-72		42	845	-.04	24	45
21-49-0148	7151468	1494058	9-68	2	299	22,975	3.56	817	37	19,410	3.28	637	1-72		28	688	.02	28	44
21-49-0148	7409604	1458744	3-69	2	305	25,560	3.51	897	33	19,260	3.29	633	1-72		40	1,139	.01	43	70
21-49-0148	7561829	1427381	11-69	1	305	21,710	3.12	678	39	19,630	3.38	663	12-71		36	961	.01	36	59
21-49-0156	5816269	1085978	4-63	5	305	19,362	3.32	643	30	13,940	3.45	481	11-71		44	1,099	-.05	32	60
21-49-0156	7253026	1499876	8-68	2	305	21,620	2.99	647	43	15,640	3.34	522	10-71		37	994	-.11	19	46
21-49-0174	6727793	1480313	11-66	4	285	19,915	3.35	668	26	14,638	3.62	530	1-72		30	806	-.05	22	42
21-49-0181	6663980	1451575	10-66	3	305	18,930	3.36	636	14	13,460	3.64	490	1-71		33	882	-.04	25	47
21-49-0188	6482693	1085978	8-65	5	300	25,832	3.77	974	15	19,126	3.56	680	4-72		44	1,331	.03	52	83
21-49-0188	7287163	1348259	1-69	2	293	24,135	3.62	874	16	19,855	3.54	703	1-72		40	756	.02	30	48
21-49-0188	7572861	1404931	8-69	1	305	26,750	3.24	868	18	19,210	3.51	675	10-71	H	36	920	-.10	18	43
21-49-0298	7068457	1458744	11-67	2	297	18,185	3.03	551	28	14,040	3.68	516	11-71		40	867	-.08	19	42
21-49-0298	7078505	1458744	1-68	2	305	18,395	3.30	607	27	13,915	3.67	510	11-71		40	900	-.05	25	48
21-49-0333	6837178	1348259	9-65	4	305	18,430	3.56	657	19	13,743	3.54	487	11-71		44	822	.01	31	50
21-49-0452	6799254	1389471	1-67	3	305	22,470	3.37	758	50	16,257	3.49	567	8-71		42	889	-.05	25	47
21-49-0452	7054760	1278644	12-67	3	277	19,463	3.83	745	68	16,296	3.45	563	2-72		42	714	.00	26	43
21-49-0452	7264800	1419528	2-69	2	295	22,170	3.37	747	77	16,325	3.39	554	1-72		40	861	.01	33	53
21-49-0452	7273843	1348259	12-68	1	305	22,630	3.72	841	77	16,880	3.45	582	2-71		36	730	.03	31	48
21-49-0488	5930068	1085978	7-63	6	303	18,167	3.50	636	12	14,707	3.60	529	4-71		44	856	-.03	26	47
21-49-0589	7464047	1419528	7-69	1	305	23,500	3.58	841	16	15,530	3.46	537	1-72		36	866	.03	36	56
21-49-0763	7618576	1404202	8-68	1	305	24,040	3.32	799	19	15,030	3.55	534	5-71		36	1,055	-.08	25	52
21-49-0973	7543451	1458744	8-69	1	305	20,190	4.03	813	27	16,130	3.58	578	8-71		36	794	.04	34	52
21-49-0973	7543455	1427381	8-69	1	305	20,580	3.72	766	32	16,150	3.61	583	9-71		36	1,110	.05	48	73
21-49-0973	7543456	1427381	8-69	1	305	20,370	3.97	808	32	16,150	3.61	583	9-71		36	1,095	.07	51	75
21-49-0973	7543457	1427381	10-69	1	305	21,760	3.53	768	10	17,420	3.58	624	1-72		36	1,113	.03	45	71
21-49-0973	7543458	1427381	11-69	1	305	20,260	3.33	675	24	17,480	3.55	621	11-71		36	997	.02	39	62
21-50-0016	7188892	1483396	12-66	4	305	22,100	3.53	780	32	17,053	3.47	591	12-71		30	808	.01	30	49
21-50-0016	7492826	1447414	8-69	1	305	19,520	3.35	654	34	17,020	3.38	575	11-71		35	818	-.04	24	44
21-50-0016	7626008	1387978	9-68	2	305	24,045	3.19	767	31	17,015	3.44	585	2-72		40	1,144	-.06	32	61
21-50-0016	7855067	1447414	7-69	1	305	20,240	3.57	722	34	17,020	3.38	575	11-71		35	873	-.02	29	50
21-50-0021	7260752	1085978	8-67	2	305	17,490	3.50	613	14	14,490	3.49	506	9-71		40	741	-.02	24	42
21-50-0038	6288377	1085978	9-64	5	305	21,700	3.27	710	34	17,590	3.48	612	7-71		44	977	-.06	26	51
21-50-0053	7126820	1349319	8-68	2	305	23,645	3.33	788	30	17,480	3.37	589	12-71		40	785	-.03	23	43
21-50-0053	7668253	1377691	1-70	1	305	25,800	3.20	825	30	18,810	3.43	646	1-72		36	808	-.05	22	43
21-50-0053	7668259	1312008	9-69	1	305	25,000	3.46	865	31	17,970	3.44	619	12-71		36	654	.05	31	45
21-50-0060	6537042	1221835	7-65	4	297	20,533	3.50	718	13	16,680	3.49	582	10-71		44	738	-.02	24	42
21-50-0145	6047804	1085978	9-63	6	304	19,478	3.53	688	27	16,620	3.54	589	5-71		44	803	-.02	26	46
21-50-0146	5942097	1181029	9-63	6	305	21,831	3.80	829	36	16,860	3.55	598	2-72		44	693	.06	34	49
21-50-0146	6971205	1085978	9-67	3	305	20,770	3.99	829	40	16,653	3.51	585	3-72		42	920	.05	41	61
21-50-0530	5810686	1085978	11-62	7	301	21,579	3.30	713	25	16,481	3.45	569	1-72		44	1,090	-.05	31	58
21-50-0530	5956565	1085978	11-63	7	297	21,236	3.24	688	27	16,914	3.46	585	4-72		44	995	-.06	26	51
21-50-0530	6998019	1375967	10-67	3	305	25,616	3.07	786	31	18,086	3.43	621	1-72		42	1,151	-.14	19	50
21-50-0650	5245403	1085978	12-60	5	294	19,190	3.67	704	24	14,870	3.68	547	11-71		44	969	-.01	33	56
21-50-0689	7211417	1404202	11-68	2	305	19,285	3.28	632	17	13,840	3.48	481	3-72		40	903	-.08	20	44
21-50-0840	6064909	1249318	11-63	5	297	24,626	3.54	871	28	19,002	3.44	654	1-71		44	724	-.01	24	42
21-50-0840	6940032	1085978	5-67	2	267	23,025	3.46	796	21	18,795	3.40	639	3-71		40	909	-.02	30	52
21-52-0001	6050920	1085978	1-64	6	302	20,250	3.32	672	20	16,090	3.69	594	11-71		44	964	-.08	23	48
21-52-0023	7302457	1387978	3-68	2	305	19,235	3.54	680	26	14,065	3.63	511	9-71		40	925	-.02	30	53
21-52-0032	6682245	1348259	8-66	4	305	21,418	3.41	730	28	15,898	3.52	560	2-72		44	951	-.01	32	55
21-52-0032	7033978	1348259	2-68	2	305	21,645	3.30	715	26	16,010	3.57	572	12-71		40	854	-.03	26	47
21-52-0032	7174540	1419528	7-68	2	298	21,275	3.59	763	29	15,900	3.52	560	10-71		40	809	.03	34	52
21-52-0034	6270324	1312008	10-64	5	305	19,510	3.98	776	15	16,124	3.60	580	2-72		44	550	.11	36	46
21-52-0034	6787625	1252934	10-66	3	305	21,270	4.09	869	17	16,547	3.56	589	12-71		42	704	.10	40	54
21-52-0034	6900580	1348259	8-67	2	305	23,155	3.42	793	18	16,390	3.55	582	5-71		40	973	-.01	33	57
21-52-0053	6664172	1460623	7-66	4	302	20,182	3.41	689	21	15,587	3.64	567	11-71		35	821	-.04	23	44
21-52-0053	6907760	1458744	10-67	3	295	19,886	3.08	612	19	16,363	3.58	585	12-71		42	863	-.08	19	42
21-52-0053	7136447	1458744	7-68	2	305	19,275	3.85	743	12	16,375	3.58	587	3-72		40	764	.03	32	49
21-52-0053	7136450	1504686	8-68	2	304	20,040	3.79	760	20	16,460	3.54	583	1-72		38	622	.08	34	47
21-52-0055	5933097	1085978	9-63	6	262	18,965	3.87	733	11	15,688	3.67	575	9-71		44	845	.02	33	53
21-52-0063	7004424	1347940	2-68	3	262	20,506	3.33	683	22	15,416	3.67	566	12-71		42	1,068	-.05	31	58
21-52-0063	7296284	1497509	10-68	2	299	19,340	3.26	631	29	15,290	3.65	558	1-72		36	790	-.03	24	44
21-52-0065	7146841	1348259	9-68	2	305	23,565	3.39	799	22	18,510	3.52	651	11-71		40	821	-.02	27	47
21-52-0071	7294637	1377691	12-68	2	305	24,395	3.70	903	18	17,115	3.72	636	3-72		40	1,006	-.01	35	59
21-52-0091	6232888	1199324	11-64	5	305	20,796	3.66	762	14	17,128	3.71	635	12-71		44	939	-.01	32	55
21-52-0091	6492144	1406271	11-65	4	305	19,598	3.90	765	17	16,805	3.73	627	10-71		44	737	.06	36	52
21-52-0091	6649427	1406271	11-66	3	305	19,557	4.37	855	11	16,017	3.82	612	9-71		42	797	.12	47	63

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C D	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
21-52-0091	7009909	1458744	3-68	1	305	24,340	3.92	954	14	17,510	3.76	659	1-71		36	1,011	.02	39	$ 63
21-52-0100	5952621	1085978	4-63	6	303	19,095	3.33	636	7	15,198	3.55	540	8-71		44	918	-.05	25	48
21-52-0102	6696730	1261857	10-66	3	297	15,587	3.65	569	25	13,527	3.46	468	8-71		42	618	.07	33	46
21-52-0102	6708267	1261857	9-66	2	298	16,055	3.75	602	22	13,625	3.52	479	6-71		40	644	.08	35	48
21-52-0105	6758945	1458744	7-66	2	305	21,265	3.31	704	8	14,265	3.53	503	7-71		40	1,159	-.04	36	65
21-52-0105	7467772	1417208	12-68	1	305	15,960	4.61	736	13	13,760	3.51	483	6-71		36	570	.10	35	46
21-52-0111	7520990	1458744	8-69	1	305	20,090	3.87	777	14	16,180	3.75	606	11-71		36	783	.01	30	48
21-52-0113	6152408	1085978	9-64	5	303	21,614	3.41	736	14	17,606	3.44	606	3-72		44	964	-.03	30	54
21-52-0113	6984769	1437326	8-67	2	305	24,090	3.36	809	12	17,910	3.46	620	2-71		29	898	-.04	27	49
21-52-0116	5243332	1085978	9-60	8	305	18,025	3.51	633	16	14,443	3.53	510	2-72		44	868	-.02	28	49
21-52-0116	5851915	1240125	10-62	7	303	18,390	3.52	648	12	14,807	3.49	517	7-71		44	728	-.01	25	43
21-52-0154	6392269	1423374	2-65	4	305	20,805	3.47	721	22	15,518	3.62	561	2-71		30	821	-.03	25	45
21-52-0154	7206143	1458744	8-68	1	305	19,930	3.57	711	25	14,140	3.76	531	11-71		36	908	-.02	30	52
21-52-0155	5535321	1085978	9-61	4	261	18,553	3.84	712	12	16,160	3.57	577	4-71		44	728	.02	29	46
21-52-0162	6677745	1292880	2-66	3	305	24,203	3.45	835	15	15,623	3.55	555	3-71		42	878	.01	33	54
21-52-0162	7294615	1417208	3-69	1	305	21,910	3.14	687	15	16,030	3.37	541	10-71		36	861	-.03	27	48
21-52-0163	6685275	1085978	11-66	2	305	18,815	3.28	617	39	14,290	3.50	500	1-71		40	894	-.05	25	48
21-52-0167	6091967	1239886	1-63	6	305	21,293	3.55	755	21	17,340	3.61	626	4-72		44	666	.02	27	42
21-52-0167	6364658	1399197	1-65	4	302	20,872	3.60	752	24	17,222	3.61	622	6-71		39	737	.01	28	45
21-52-0167	6830743	1372874	6-67	3	305	23,117	3.24	748	26	16,683	3.66	610	10-71		42	979	-.12	17	44
21-52-0167	6867639	1278644	8-67	3	305	22,293	3.49	778	22	17,286	3.58	619	2-72		42	937	-.06	24	48
21-52-0185	6756828	1348259	11-66	3	299	25,757	3.53	908	14	19,447	3.47	674	2-72	H	42	1,041	.01	39	64
21-52-0216	6129093	1239886	2-64	5	305	21,998	3.25	714	8	17,074	3.65	624	1-71		44	788	-.04	22	42
21-52-0234	6805980	1278644	2-67	3	301	18,700	3.14	587	41	13,186	3.41	450	9-71		42	949	-.09	20	45
21-52-0235	6369307	1417208	7-65	4	300	18,820	3.57	671	19	15,143	3.59	543	6-71		44	828	.01	31	51
21-52-0235	6958845	1441298	8-67	2	305	20,895	3.51	733	20	16,020	3.58	573	2-71		38	1,185	-.07	32	62
21-52-0254	5940015	1416648	11-63	6	254	22,086	3.73	823	14	18,911	3.62	685	11-70	B	35	646	.04	30	44
21-52-0268	6789904	1272013	3-66	3	305	21,547	3.25	700	33	16,047	3.55	569	2-71		42	891	-.09	19	43
21-52-0306	7305682	1458744	4-69	1	259	23,270	3.33	776	28	15,910	3.59	571	11-71	B	36	1,038	-.04	32	58
21-52-0310	5910548	1094074	9-63	6	305	21,523	3.47	746	50	14,430	3.54	511	12-71		44	895	-.03	28	50
21-52-0310	6842902	1458744	8-67	3	288	19,950	3.33	664	54	15,440	3.62	559	9-71		42	965	-.05	27	51
21-52-0310	7142427	1273756	8-67	2	305	19,460	3.41	664	58	15,015	3.52	529	10-71		40	774	.01	29	47
21-52-0310	7196161	1387978	12-68	1	305	19,500	3.52	686	26	15,260	3.45	527	6-71		36	752	-.01	26	44
21-52-0310	7333027	1387978	1-69	1	305	20,200	3.24	655	71	15,060	3.52	530	11-71		36	817	-.04	24	44
21-52-0310	7455315	1458744	11-69	1	305	22,450	3.60	808	60	14,870	3.52	524	11-71		36	1,047	.00	37	62
21-52-0338	7100626	1348259	8-67	3	299	20,280	3.67	744	17	15,987	3.48	557	11-71		42	769	.03	32	50
21-52-0339	6740973	1242163	9-66	4	298	21,558	3.07	661	17	15,503	3.52	546	12-71		44	1,088	-.18	11	42
21-52-0362	7510587	1427381	7-69	1	290	18,090	3.61	653	10	14,870	3.52	524	9-71		36	1,011	.04	43	66
21-52-0379	6704750	1458744	9-66	3	305	19,106	3.59	685	31	15,210	3.48	530	3-72		42	892	.01	33	54
21-52-0379	6920195	1347940	5-67	3	301	18,956	3.43	650	51	14,803	3.49	517	12-71		42	953	-.02	32	55
21-52-0379	7352451	1458744	7-69	1	305	18,420	3.36	618	65	14,690	3.48	511	10-71		36	759	-.02	24	43
21-52-0392	6720820	1237057	2-66	4	286	22,280	3.28	730	10	16,165	3.61	584	12-71	B	44	1,040	-.09	23	50
21-52-0413	5616663	1085978	7-62	7	292	18,840	3.28	618	29	15,391	3.50	538	12-71		44	863	-.06	22	44
21-52-0431	6819428	1261857	5-67	2	297	21,825	4.19	915	25	16,610	3.79	629	10-71		40	957	.12	53	72
21-52-0431	7005136	1377954	9-67	3	299	21,483	3.65	785	20	17,650	3.78	668	12-71		42	820	.00	30	49
21-52-0577	5957485	1085978	11-63	5	305	21,968	3.42	751	40	18,076	3.57	646	3-72		44	955	-.05	27	51
21-52-0577	6648208	1312008	10-66	4	305	23,075	3.47	800	50	18,485	3.45	637	1-72		44	709	.04	32	48
21-52-0577	6914913	1348259	10-67	2	305	23,905	3.57	853	51	18,720	3.47	649	2-71		40	836	.02	33	52
21-52-0577	7002587	1492023	1-68	2	303	23,175	3.56	824	54	18,130	3.52	638	11-71		35	834	-.01	28	48
21-52-0637	6831593	1085978	11-64	4	305	20,375	3.31	674	11	14,500	3.65	529	9-71		44	1,138	-.07	30	59
21-52-0637	7188096	1488558	9-67	2	305	20,080	3.84	771	12	16,225	3.55	576	5-71		38	743	.05	34	50
21-52-0649	6954470	1271075	2-66	4	298	17,868	3.35	598	13	14,728	3.63	534	7-71		43	789	-.04	22	42
21-52-0649	7146745	1377691	7-67	2	305	21,115	3.58	756	15	15,355	3.61	554	2-71		40	834	-.01	28	48
21-52-0651	7014069	1360676	12-67	1	305	17,590	4.06	715	20	15,580	3.50	546	11-71		35	610	.06	31	44
21-52-0651	7274090	1458744	9-68	2	305	19,300	3.41	658	19	16,340	3.45	563	12-71		40	770	-.02	25	44
21-52-0690	5917875	1239886	11-63	4	305	19,775	3.37	667	22	14,833	3.49	517	3-71		44	736	.00	27	44
21-52-0690	6090988	1245520	4-64	5	305	21,756	3.50	761	38	15,200	3.50	532	1-71		44	1,087	-.03	34	61
21-52-0690	6731163	1348259	11-66	3	301	20,077	3.60	722	31	15,103	3.46	522	9-71		42	837	.02	33	52
21-52-0690	6960666	1389471	9-67	3	305	21,830	3.16	690	48	15,773	3.42	540	11-71		42	866	-.07	20	43
21-52-0690	7532330	1458744	4-69	1	305	18,650	3.37	629	28	15,400	3.44	530	2-72		36	728	-.01	24	42
21-52-0802	5684675	1399197	9-62	8	304	18,966	3.91	742	38	16,227	3.61	586	3-72		40	616	.07	32	45
21-52-0802	6909928	1484632	12-66	3	305	21,413	3.62	776	40	16,413	3.54	581	5-71		33	676	.03	29	44
21-52-0802	7254215	1427381	9-68	1	286	19,720	3.54	698	45	15,910	3.70	588	11-71		36	1,062	.03	43	67
21-52-0802	7468313	1520161	8-69	1	305	17,740	3.81	676	58	15,980	3.63	580	8-71		32	618	.12	40	52
21-52-0880	6269535	1221835	1-65	5	303	20,426	3.46	707	62	15,716	3.68	578	9-71		44	855	-.04	24	46
21-52-0880	6468628	1348259	8-65	3	305	20,700	3.71	769	59	16,577	3.67	609	6-71		42	756	.02	30	48
21-53-0017	6959061	1387978	12-67	3	305	21,696	3.19	693	28	16,423	3.57	587	10-71		42	1,019	-.07	26	52
21-53-0017	7540332	1458744	3-70	1	305	21,380	3.62	774	20	16,840	3.46	583	2-72		36	835	.01	31	51
21-53-0031	6781730	1348259	4-66	4	294	19,180	3.99	765	24	15,695	3.64	572	2-71		44	697	.07	35	50
21-53-0031	7385848	1348259	1-68	2	305	20,450	3.60	736	19	16,040	3.60	577	4-71		40	730	.01	28	45
21-53-0055	7351317	1458744	9-68	1	305	20,270	3.86	782	26	15,690	3.60	565	9-71		36	830	.02	33	52
21-53-0061	5848514	1085978	11-62	6	301	19,202	3.35	644	9	15,980	3.48	556	12-71		44	841	-.04	24	45
21-53-0067	5669998	1085978	12-61	7	303	18,630	3.65	680	13	15,977	3.62	579	11-71		44	768	-.01	26	45
21-53-0067	6488121	1085978	8-64	6	300	18,627	3.47	647	17	15,663	3.64	570	10-71		44	804	-.05	22	42
21-53-0067	6488122	1085978	11-64	5	301	20,662	3.70	764	18	15,568	3.59	559	11-71		44	1,078	.00	39	65
21-53-0067	7107682	1085978	4-67	2	305	20,425	3.59	734	15	16,280	3.67	597	11-71		40	875	-.02	28	49
21-53-0067	7161473	1399824	10-68	1	305	21,900	3.49	765	26	15,540	3.59	558	11-71		36	828	.01	32	51
21-53-0067	7189403	1516360	11-68	1	305	18,960	3.58	678	23	15,440	3.56	549	12-71		33	801	.01	30	49
21-53-0105	5985223	1085978	8-63	1	305	18,930	3.91	740	44	16,080	3.52	566	11-71		36	688	.01	27	43
21-53-0142	7646834	1348259	10-68	2	280	21,420	3.48	745	8	16,585	3.65	605	3-72	B	40	779	-.01	26	45
21-53-0146	7218998	1278644	2-67	2	305	20,355	3.46	704	20	15,835	3.50	555	10-71		40	813	-.05	21	42
21-53-0160	6016869	1239886	1-64	5	301	21,546	3.10	667	28	15,524	3.48	541	1-72		44	910	-.05	25	48
21-53-0160	6275415	1245520	12-64	5	305	19,522	3.38	659	35	14,892	3.55	529	11-71		44	834	-.06	21	42
21-53-0160	6429521	1221835	11-65	3	298	19,617	3.66	718	27	14,303	3.58	512	5-71		42	850	.00	30	50
21-53-0160	7621828	1419528	1-69	1	305	19,880	3.70	736	50	14,230	3.55	505	9-71		36	683	.04	30	45

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS-(CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C O	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOL- LARS
21-53-C168	6389340	1240125	7-65	3	305	21,930	3.22	706	21	17,037	3.58	610	8-71		42	863	-.07	20	$ 43
21-53-0180	6264555	1085978	12-64	6	303	22,550	3.22	727	15	17,472	3.57	623	11-71		44	1,100	-.08	27	55
21-53-0180	7401074	1273756	11-68	2	299	23,155	3.37	780	11	18,505	3.40	629	3-72		40	830	.01	32	51
21-53-0198	6208831	1239886	12-64	5	305	20,344	3.41	694	28	15,704	3.55	557	12-71		44	734	.00	27	44
21-53-C198	7189301	1377691	7-68	2	305	19,755	3.97	785	42	16,355	3.49	571	1-72		40	604	.05	29	42
21-53-0198	7280230	1509548	9-68	2	305	20,870	3.33	696	41	16,010	3.52	564	11-71		36	896	-.02	29	51
21-53-C215	6159111	1417208	11-64	5	304	17,834	4.24	756	16	15,638	3.72	581	11-71		44	659	.09	38	51
21-53-C215	6724335	1482681	2-67	4	302	20,670	3.49	721	21	15,683	3.75	588	12-71		30	778	-.04	22	42
21-53-0260	6798384	1221835	9-66	4	299	18,828	3.56	670	16	14,248	3.58	510	12-71		44	798	-.01	27	46
21-53-0263	5739014	1340669	11-62	5	305	23,088	3.37	777	9	16,292	3.54	576	1-72		44	1,117	-.09	26	55
21-53-0297	7317997	1520161	5-69	1	305	19,760	3.54	699	18	15,560	3.53	549	10-71		32	810	.10	44	61
21-53-0542	6680638	1389471	12-66	3	305	23,640	3.29	777	26	17,320	3.47	601	8-71		42	914	-.06	24	47
21-53-C542	7478902	1458744	10-69	1	305	22,430	3.45	773	26	18,370	3.45	633	10-71		36	811	-.01	28	48
21-53-C627	5738961	1370178	9-62	7	302	20,550	4.18	860	10	16,783	3.80	638	4-71		35	871	.10	47	65
21-53-C780	6789569	1372874	4-67	3	305	25,097	3.27	821	24	18,817	3.54	667	8-71		42	986	-.10	20	46
21-53-C780	7190625	1377691	8-68	2	305	24,325	3.47	845	24	19,250	3.50	674	9-71		40	804	-.02	26	46
21-55-0004	7316955	1458744	4-69	1	275	19,330	3.39	655	29	15,650	3.60	564	9-71		36	762	-.03	23	42
21-55-C009	7300370	1487607	7-67	3	294	21,433	3.31	710	45	16,276	3.58	583	1-72		38	833	-.05	22	43
21-55-0011	5216541	1085978	9-60	8	305	22,103	3.58	791	13	18,583	3.70	688	12-71		44	913	-.04	27	50
21-55-0011	6218759	1239886	11-64	6	305	25,367	3.48	883	16	19,355	3.66	708	3-72		44	958	.00	34	57
21-55-0011	6429604	1348259	10-65	5	305	22,652	3.49	791	15	19,036	3.63	691	9-71		44	774	-.02	25	44
21-55-0011	6934987	1348259	9-67	3	305	24,523	3.47	851	16	20,033	3.67	736	12-71		42	838	-.03	26	47
21-55-0013	7341923	1427381	9-68	1	305	20,050	3.50	702	38	16,940	3.51	594	9-71		36	1,018	.03	42	65
21-55-0014	5353779	1189870	8-60	8	298	20,713	3.96	820	14	18,448	3.53	652	11-71		44	542	.08	32	43
21-55-0020	6236056	1245520	4-64	6	304	21,620	3.31	716	20	15,988	3.52	563	4-72		44	978	-.07	24	49
21-55-0025	6698007	1278644	12-66	4	294	22,537	3.56	803	24	18,792	3.71	697	12-71		44	838	-.07	20	42
21-55-0051	6035415	1221835	10-63	7	301	23,726	3.33	791	20	18,144	3.47	630	1-72		44	999	-.05	29	54
21-55-0066	7628984	1427381	1-70	1	303	16,430	3.77	620	6	14,790	3.86	571	3-72		36	892	.04	38	58
21-55-C128	6755552	1348259	9-66	4	302	22,555	3.06	691	19	17,985	3.53	635	3-72		44	859	-.08	19	42
21-55-C145	7148730	1349319	6-68	2	305	20,945	3.57	748	15	13,700	3.58	491	2-72		40	856	-.02	28	49
21-55-C171	7337321	1348259	6-67	3	303	22,120	3.58	791	20	18,303	3.61	661	1-72		42	741	.00	27	45
21-55-0266	7057083	1458744	2-68	1	305	23,250	3.75	872	31	17,460	3.57	624	12-71		36	933	.02	36	58
21-55-0291	7129601	1330987	11-67	2	305	17,630	4.07	717	34	15,405	3.73	575	8-71		40	535	.08	31	42
21-55-C291	7563461	1458744	7-69	1	305	17,910	4.24	759	29	15,720	3.75	589	10-71		36	652	.04	30	44
21-55-C313	6764698	1475045	7-66	3	305	20,117	3.74	752	29	16,567	3.65	605	12-71		32	658	.02	27	42
21-55-C322	5548991	1215958	10-61	7	302	21,143	3.72	787	9	16,231	3.76	611	8-71		43	907	.00	33	55
21-55-C322	7436671	1458744	9-69	1	305	24,840	3.70	919	34	18,090	3.50	633	11-71		36	1,069	.01	38	62
21-55-C322	7564661	1458744	12-69	1	305	23,210	3.31	768	8	18,210	3.48	633	3-72		36	880	-.03	27	49
21-55-C352	7118708	1458744	8-68	2	305	21,330	4.66	994	57	17,570	3.52	619	3-72		40	864	.15	54	70
21-55-0352	7465608	1458744	12-68	1	305	18,880	4.06	766	52	15,880	3.65	579	7-71		36	713	.04	31	47
21-55-0354	7312269	1479593	9-68	2	259	21,890	3.18	696	44	16,750	3.49	584	1-72		37	891	-.07	21	44
21-55-C473	6503488	1278644	12-65	4	305	22,997	3.54	815	24	17,710	3.66	648	2-71		44	1,015	-.06	27	53
21-55-0473	6503492	1348259	3-66	4	293	19,808	3.86	764	25	16,935	3.70	626	8-71		44	637	.04	29	43
21-55-C473	6854307	1348259	3-67	2	305	26,575	3.55	943	21	19,215	3.65	701	2-71		40	1,062	-.01	37	63
21-55-C477	6009673	1283917	9-62	5	305	22,284	3.35	746	12	15,654	3.70	579	5-71		44	1,073	-.11	21	50
21-55-C477	7887692	1518086	11-69	1	305	21,450	3.43	735	32	16,170	3.62	586	12-71		31	821	-.06	21	42
21-55-C477	7999188	1427381	8-69	1	305	21,470	3.22	692	31	16,250	3.62	588	12-71		36	1,170	.00	42	70
21-55-C490	6782856	1433106	12-66	3	297	20,986	3.66	768	15	16,316	3.52	575	1-72		34	814	.01	31	50
21-55-C502	6314878	1239242	10-64	4	287	20,053	3.54	709	13	15,098	3.61	545	10-71		44	771	-.02	25	44
21-55-C507	7446225	1347940	2-68	2	302	18,085	4.15	750	13	14,535	3.61	524	11-71		40	849	.06	40	59
21-55-C525	6064510	1239886	2-64	5	305	20,600	4.17	858	25	17,766	3.62	644	3-71		44	527	.13	38	47
21-55-C525	6159158	1085978	11-64	5	305	20,000	3.86	772	20	18,340	3.57	654	8-71		44	670	.03	29	44
21-55-C525	6453005	1389471	9-65	5	300	23,840	3.54	845	35	18,292	3.66	670	12-71		44	914	-.04	27	50
21-55-0526	6738313	1221835	10-66	4	305	21,693	3.25	704	22	16,853	3.51	592	1-72		44	862	-.06	22	44
21-55-0532	5715051	1085978	11-61	6	305	17,935	3.85	691	23	16,235	3.55	576	4-71		44	648	.02	27	42
21-55-C534	7647086	1511167	10-68	1	305	21,330	3.43	731	5	14,930	3.62	541	4-71		32	838	-.05	23	44
21-55-C551	6797345	1489229	3-67	2	305	24,880	3.59	892	20	15,885	3.64	578	4-71		25	1,157	.00	41	69
21-55-C587	7375411	1427381	6-69	1	305	20,360	3.45	703	15	18,030	3.39	612	3-72		36	968	.04	41	63
21-55-C676	7869247	1458744	12-69	1	305	24,690	3.26	805	17	16,800	3.45	579	11-71		36	1,085	-.03	34	61
21-55-0725	6825921	1278644	1-67	3	300	21,423	3.42	732	9	16,150	3.50	566	8-71		42	955	-.06	25	49
21-55-C725	6978332	1348259	9-67	2	305	21,910	3.40	745	10	17,185	3.39	582	2-71		40	774	.00	28	46
21-55-C767	6898158	1278644	9-67	2	305	23,045	3.54	815	43	14,250	3.80	542	4-71		40	1,231	-.07	33	64
21-55-C767	7205850	1521710	9-68	2	305	23,150	3.50	810	53	15,690	3.70	580	12-71		25	960	-.03	30	54
21-55-0767	7318976	1225575	10-68	2	305	22,510	3.31	745	53	15,720	3.71	583	11-71		40	827	-.04	23	44
21-55-C767	7328439	1427381	11-68	1	305	17,670	3.79	669	79	13,810	3.75	518	8-71		36	1,050	.05	45	69
21-55-0767	7442614	1408080	10-69	1	305	22,040	3.24	714	53	14,440	3.80	548	12-71		36	914	-.08	20	44
21-56-0040	7557455	1419528	6-69	1	228	23,470	3.24	761	26	17,360	3.61	626	11-71	H	36	741	-.02	24	42
21-56-C043	6495629	1348259	12-65	4	239	22,910	3.96	907	27	18,378	3.38	621	2-71	B	44	860	.10	47	65
21-56-0060	6412624	1347940	12-65	4	297	18,415	3.74	688	9	16,560	3.35	555	10-71		44	716	.05	33	49
21-56-0060	6531979	1347940	7-65	2	305	21,725	3.77	820	16	15,865	3.54	561	4-71		40	1,097	.03	44	69
21-56-0060	6802605	1347940	1-67	3	305	18,463	4.06	750	7	16,456	3.43	565	1-72		42	725	.09	39	54
21-56-C244	6590059	1348259	2-66	4	305	20,208	3.19	645	23	15,713	3.49	549	7-71		44	822	-.04	23	44
21-56-C249	7199414	1516870	10-68	2	305	20,430	3.99	815	15	16,095	3.49	562	4-72		29	691	.06	34	49
21-56-0292	5410074	1124780	10-59	9	301	20,470	3.37	690	24	15,488	3.43	531	12-71		44	706	.00	25	42
21-56-C352	6953121	1348259	8-67	3	305	19,713	3.77	744	10	15,567	3.51	546	11-71		42	747	.04	33	50
21-56-C994	7477443	1427381	11-69	1	305	22,360	3.47	775	39	18,850	3.46	653	11-71		36	1,062	.04	44	68
22-10-C034	6448761	1347940	10-65	4	300	18,860	3.40	642	28	15,555	3.84	598	8-71		44	882	-.06	23	46
22-10-C034	6593765	1347940	3-66	4	303	17,335	3.96	686	30	15,302	3.83	586	10-71		44	722	.03	30	46
22-10-C034	6605822	1347940	5-66	4	298	19,245	3.77	726	30	14,977	3.83	573	6-71		44	994	.00	36	60
22-10-C034	6732880	1347940	11-66	3	303	20,090	3.40	683	14	15,786	3.81	602	4-71		42	982	-.05	27	52
22-10-0034	6732881	1347940	12-66	3	305	19,233	3.68	707	29	16,230	3.85	625	11-71		42	837	-.02	27	48
22-10-0034	7296607	1347940	1-69	1	305	17,200	4.13	711	32	15,390	3.86	594	6-71		36	661	.03	28	43
22-10-0034	7426842	1347940	6-69	1	305	19,120	4.18	799	31	16,710	3.91	653	1-72		36	715	.03	31	47
22-10-C039	6958863	1347940	7-67	3	300	16,580	4.07	674	16	14,490	3.91	567	4-72		42	712	.03	30	46
22-10-C039	7471248	1347940	9-68	2	305	18,680	3.61	674	18	13,950	3.80	530	10-71		40	963	-.02	32	55

TABLE 3. HOLSTEIN USDA-OHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C O	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
22-10-0057	6356598	1347940	7-65	4	305	16,800	3.66	615	84	14,180	3.91	554	8-71		44	781	-.03	24	$ 43
22-10-0057	6412785	1347940	9-65	4	304	17,595	3.52	619	80	14,342	3.88	557	8-71		44	861	-.04	25	47
22-10-0057	6470435	1347940	12-65	4	304	20,332	3.45	701	53	15,287	3.81	583	2-72		44	1,094	-.05	32	59
22-10-0057	6622357	1347940	7-66	4	300	18,767	3.43	644	89	14,550	3.87	563	12-71		44	983	-.05	27	52
22-10-0057	6622358	1347940	8-66	4	304	17,472	3.86	674	105	14,045	3.88	545	10-71		44	879	.01	33	54
22-10-0057	6641036	1347940	7-66	3	305	17,893	3.85	688	82	14,566	3.86	562	8-71		42	855	.01	32	52
22-10-0057	6671069	1347940	11-66	3	305	19,303	3.49	674	96	14,520	3.85	559	11-71		42	1,022	-.04	31	56
22-10-0057	6699519	1347940	11-66	3	305	18,096	3.35	607	101	14,120	3.82	540	8-71		42	925	-.05	25	49
22-10-0057	6884475	1347940	8-67	3	299	20,540	3.50	718	77	15,110	3.85	582	12-71		42	1,103	-.04	33	60
22-10-0057	6884476	1347940	8-67	3	302	17,983	3.95	710	106	14,336	3.86	553	10-71		42	890	.02	35	56
22-10-0057	6884480	1347940	10-67	2	305	18,665	3.77	703	58	15,725	3.80	598	3-71		40	799	.00	29	48
22-10-0057	6933137	1347940	11-67	2	305	18,815	3.62	682	65	15,270	3.84	587	4-72		40	856	-.02	28	49
22-10-0057	7265511	1347940	1-69	1	305	17,680	3.98	704	60	15,620	3.73	582	5-71		36	681	.02	28	44
22-10-0057	7301327	1347940	2-69	1	301	19,920	3.41	680	87	14,960	3.74	560	6-71		36	892	-.03	23	50
22-10-0057	7357834	1347940	7-69	1	305	19,270	3.54	682	118	14,670	3.81	559	8-71		36	863	-.02	28	49
22-10-0057	7399944	1516470	9-69	1	305	20,450	4.41	902	125	15,410	3.84	592	10-71		23	587	.09	34	46
22-10-0057	7399959	1347940	9-69	1	305	21,910	3.65	799	80	15,780	3.86	609	11-71		36	985	-.01	34	58
22-10-0057	7399961	1347940	10-69	1	305	18,820	3.78	712	127	14,780	3.85	569	9-71		36	822	.00	30	50
22-10-0062	7119182	1347940	3-68	1	297	19,950	3.39	676	57	15,620	3.55	554	9-71		36	850	-.02	28	49
22-10-0063	7128445	1347940	5-68	2	291	16,535	3.48	576	24	12,590	3.98	501	10-71		40	869	-.04	25	47
22-10-0070	6400030	1347940	7-65	2	305	20,640	3.49	721	29	15,280	3.78	577	10-70		40	1,040	-.03	33	59
22-10-0070	6894140	1347940	5-67	2	290	19,525	3.89	759	31	16,515	3.70	611	10-71		40	814	.02	33	52
22-10-0070	6894141	1347940	8-67	2	305	18,790	3.70	696	17	16,740	3.76	629	3-71		40	719	-.01	25	42
22-10-0070	7056419	1347940	3-68	2	305	18,355	3.45	634	28	15,710	3.76	590	8-71		40	769	-.03	23	42
22-10-0080	6967881	1347940	8-67	2	305	15,415	3.79	584	10	13,340	3.71	495	2-71		40	687	.01	26	42
22-10-0080	7164690	1347940	6-68	1	305	15,100	3.81	576	8	12,210	3.92	479	8-70		36	717	.00	26	43
22-10-0109	7571292	1347940	12-68	1	305	23,440	3.43	804	13	17,790	3.46	616	4-71		36	965	-.01	34	57
22-10-0120	5622837	1085978	7-62	7	305	18,290	3.65	668	39	15,687	3.77	591	7-71		44	758	-.03	23	42
22-10-0120	6368328	1347940	5-65	5	305	19,754	3.77	745	49	15,690	3.81	598	12-71		44	994	.00	36	60
22-10-0120	6368329	1347940	6-65	5	303	18,072	3.69	666	52	15,062	3.80	572	9-71		44	850	-.01	29	50
22-10-0120	6411565	1347940	11-65	5	271	18,512	3.80	703	42	15,734	3.70	582	12-71	H	44	829	.02	33	52
22-10-0120	6492669	1347940	2-66	4	305	20,795	3.45	718	49	15,205	3.84	584	11-71		44	1,160	-.05	34	63
22-10-0120	6509870	1347940	11-65	4	305	18,812	3.58	673	40	16,040	3.76	603	2-72		44	822	-.02	26	46
22-10-0120	6521273	1347940	2-66	4	304	20,350	3.55	723	50	15,272	3.82	583	11-71		44	1,098	-.04	34	61
22-10-0120	6521276	1347940	4-66	4	305	18,137	3.67	665	52	15,277	3.83	585	10-71		44	824	-.02	27	47
22-10-0120	6659002	1347940	6-66	3	305	20,816	3.60	750	44	16,546	3.77	624	10-71		42	987	-.02	33	57
22-10-0120	6659003	1347940	6-66	3	305	24,720	3.31	818	44	16,243	3.72	605	5-71		42	1,467	-.07	42	79
22-10-0120	6698714	1347940	8-66	3	268	19,113	3.69	705	41	15,253	3.82	582	10-70		42	925	-.01	32	54
22-10-0120	6841194	1469311	2-67	3	305	19,663	3.96	778	63	15,577	3.79	591	11-71		42	672	.06	34	48
22-10-0120	6914727	1347940	9-67	2	305	24,350	3.44	838	38	16,405	3.69	605	4-71		40	1,314	-.03	42	74
22-10-0120	6914728	1347940	9-67	2	305	20,125	3.48	701	36	16,570	3.67	608	4-71		40	870	-.02	28	49
22-10-0120	6914730	1347940	10-67	2	305	19,495	3.88	756	45	16,480	3.67	604	6-71		40	814	.03	34	53
22-10-0120	6969086	1347940	11-67	2	305	20,435	3.49	714	49	16,200	3.72	603	8-71		40	935	-.03	29	52
22-10-0120	7317199	1347940	10-68	1	305	18,800	3.55	668	51	16,110	3.64	586	7-71		36	731	-.01	25	43
22-10-0120	7367399	1347940	8-69	1	305	20,540	3.52	723	52	16,440	3.77	619	10-71		36	839	-.02	27	48
22-10-0120	7367404	1355784	6-69	1	305	22,390	2.96	663	65	16,230	3.64	591	7-71		35	993	-.14	14	42
22-10-0127	7244893	1347940	2-69	2	305	20,795	3.90	812	20	17,610	3.66	645	4-72		40	843	.04	36	55
22-10-0127	7434853	1347940	9-69	1	305	25,300	3.41	863	24	18,000	3.68	662	1-72		36	1,089	-.03	35	62
22-10-0139	6739745	1347940	9-66	3	296	16,293	3.89	633	21	12,086	3.76	455	8-71		42	928	.02	37	58
22-10-0139	6741603	1347940	6-66	4	298	17,142	3.40	582	18	12,805	3.77	483	10-71		44	976	-.05	28	53
22-10-0139	7345913	1347940	7-67	3	304	16,150	3.89	628	22	13,100	3.74	490	2-72		42	807	.02	32	51
22-10-0150	5585531	1189870	3-62	7	305	18,190	4.05	736	24	14,661	3.72	546	5-71		44	656	.06	33	47
22-10-0150	6601598	1347940	4-66	4	303	19,337	3.66	708	36	14,387	3.72	535	2-72		44	1,071	.00	38	64
22-10-0150	6601599	1206797	2-66	3	305	19,527	3.69	720	34	15,007	3.70	556	3-71		42	741	.00	27	45
22-10-0155	7141787	1347940	8-67	3	305	18,160	3.64	661	10	14,433	3.63	524	11-71		42	900	.00	33	54
22-10-0157	7105586	1347940	9-66	3	269	17,610	3.75	660	17	15,026	3.65	549	12-71	8	42	775	.01	30	48
22-10-0157	7160822	1347940	8-66	3	305	19,003	3.85	731	10	16,053	3.61	580	9-71		42	829	.03	35	54
22-10-0165	6264939	1237057	7-63	6	303	17,600	3.78	666	18	13,943	3.69	514	7-71		44	726	-.01	24	42
22-10-0165	6724573	1347940	11-66	2	305	15,995	4.28	685	10	13,595	3.85	524	5-71		40	723	.05	34	50
22-10-0165	6724575	1347940	11-66	3	302	16,493	4.07	672	38	13,430	3.88	521	10-71		42	812	.03	34	52
22-10-0165	6914731	1347940	11-67	2	305	19,625	3.49	685	22	13,850	3.81	528	2-72		40	1,068	-.04	33	59
22-10-0165	7296492	1347940	5-67	3	805	20,343	3.91	796	35	13,630	3.89	530	12-71		42	1,234	.02	48	77
22-10-0165	7303781	1347940	12-68	1	305	22,130	3.41	755	22	14,040	3.91	549	12-70		36	1,118	-.04	34	62
22-10-0165	7311708	1347940	1-69	2	289	17,475	3.47	606	25	14,060	3.87	544	12-71		40	831	-.04	24	45
22-10-0165	7361740	1347940	5-69	1	305	18,500	3.67	679	33	12,640	3.84	485	8-71		36	942	-.01	33	56
22-10-0165	7361741	1347940	5-69	1	305	20,210	3.46	699	25	12,870	3.82	491	7-71		36	1,054	-.03	34	60
22-10-0165	7434735	1347940	8-69	1	305	21,080	3.53	745	38	13,690	3.81	521	10-71		36	1,064	-.02	36	62
22-10-0165	7629684	1347940	10-69	1	305	22,130	3.70	818	19	14,720	3.84	565	2-72		36	1,073	.00	38	64
22-10-0174	6803908	1478999	1-67	3	303	20,920	3.73	781	14	16,863	3.55	598	9-71		29	614	.04	28	42
22-10-0174	6995645	1469311	12-67	3	305	21,547	3.43	740	12	17,463	3.50	611	3-72		42	694	.02	28	44
22-10-0185	6679773	1347940	10-66	4	303	16,852	4.05	683	24	14,392	3.75	540	12-71		44	764	.04	34	51
22-10-0185	6845588	1347940	4-67	2	305	17,900	3.84	687	24	14,170	3.74	530	12-70		40	864	.01	33	53
22-10-0185	6859339	1347940	8-67	3	304	17,473	3.35	586	24	13,630	3.71	505	9-71		42	904	-.04	26	49
22-10-0185	7100932	1347940	3-68	2	299	18,635	3.25	605	25	14,715	3.72	548	12-71		40	888	-.06	23	46
22-10-0185	7242560	1347940	2-69	2	305	17,950	3.71	666	17	14,805	3.69	547	4-72		40	811	.00	30	44
22-10-0185	7389691	1268087	9-69	1	305	24,940	3.48	867	31	14,750	3.61	532	12-71		36	730	.00	27	44
22-10-0185	7471085	1347940	1-70	1	308	18,450	3.20	590	17	15,070	3.59	541	3-72		36	775	-.03	23	42
22-10-0185	7497878	1347940	10-69	1	305	22,520	3.03	683	23	15,120	3.64	551	1-72		36	1,075	-.06	29	56
22-10-0187	6663476	1308101	10-66	3	305	21,166	3.22	682	19	14,803	3.61	535	6-71		42	1,295	-.08	34	67
22-10-0187	6947542	1426616	11-67	2	305	21,040	3.50	736	20	14,640	3.67	538	11-71		38	1,058	-.03	34	60
22-10-0187	7101607	1426616	8-67	2	305	19,365	3.59	696	24	15,550	3.69	574	6-71		38	795	-.02	26	45
22-10-0187	7120329	1426616	9-68	1	305	20,490	3.34	684	23	15,320	3.62	554	5-71		33	816	-.04	24	44
22-10-0187	7168186	1426616	9-68	1	305	20,410	3.41	697	27	15,390	3.60	554	2-71		33	805	-.03	25	45
22-10-0187	7176611	1347940	9-68	2	296	17,310	3.88	672	27	15,060	3.62	545	8-71		40	722	.03	30	46
22-10-0212	7238403	1347940	11-68	1	305	17,450	4.22	736	31	12,430	3.77	469	6-71		36	878	.04	38	58

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C O	REPT (%)	.......C O W MILK (LB)	I N D E X....... FAT (%)	FAT (LB)	DOL-LARS
22-10-0213	6707225	1278644	9-66	3	305	20,390	3.76	766	37	16,453	3.76	619	8-71		42	805	-.04	23	$ 43
22-10-0213	6853851	1347940	2-67	3	305	19,556	4.18	818	36	15,483	3.75	581	11-71		42	952	.07	45	66
22-10-0213	7160828	1347940	7-67	2	305	21,245	3.91	831	40	17,505	3.73	653	4-71		40	898	.03	37	58
22-10-0213	7160831	1347940	10-67	3	305	19,493	3.63	708	35	15,783	3.72	587	2-72		42	913	-.01	32	54
22-10-0213	7160832	1347940	10-67	3	301	18,843	3.78	712	40	15,750	3.74	589	11-71		42	842	.01	32	52
22-10-0213	7160834	1347940	12-67	2	305	20,900	3.97	829	43	15,955	3.75	599	9-71		40	1,005	.04	42	65
22-10-0213	7160835	1347940	1-68	2	305	19,070	3.77	719	38	16,345	3.75	613	8-71		40	784	.00	29	48
22-10-0213	7229380	1347940	6-68	1	305	23,720	3.75	890	36	17,420	3.67	640	11-70		36	1,010	.01	38	62
22-10-0213	7229381	1347940	9-67	2	305	22,970	3.46	794	42	15,735	3.76	592	3-71		40	1,235	-.04	39	69
22-10-0213	7229383	1347940	6-68	2	305	18,885	3.79	716	31	14,860	3.71	551	3-72		40	901	.01	34	55
22-10-0213	7229385	1347940	7-68	1	305	20,490	3.73	765	34	16,620	3.72	618	3-71		36	823	.01	31	50
22-10-0213	7229387	1347940	8-68	1	305	18,940	3.91	741	33	17,160	3.72	638	4-71		36	671	.02	27	42
22-10-0213	7229388	1347940	10-68	1	305	20,810	3.64	757	33	17,160	3.72	638	4-71		36	811	.00	29	48
22-10-0213	7229390	1347940	11-68	1	305	17,870	3.75	671	39	14,060	3.77	530	9-71		36	800	.00	29	48
22-10-0213	7229391	1347940	12-68	1	305	17,150	3.73	640	39	14,060	3.77	530	9-71		36	746	.00	27	45
22-10-0221	6347031	1242221	8-65	4	301	19,430	3.56	691	18	14,958	3.80	569	1-71		42	1,168	-.03	38	67
22-10-0222	7000312	1347940	9-67	3	305	19,283	3.97	766	20	16,016	3.88	622	2-72		42	865	.02	35	55
22-10-0222	7227932	1504414	7-68	1	305	19,840	3.50	695	15	13,800	3.84	530	8-71		34	700	.03	30	46
22-10-0222	7227933	1501812	5-68	2	305	20,555	3.98	818	25	15,200	3.84	583	11-71		38	782	-.01	26	45
22-10-0222	7308911	1347940	3-69	1	305	17,020	3.79	645	15	13,970	3.82	533	8-71		36	742	.00	27	45
22-10-0222	7703132	1347940	9-69	1	305	20,020	3.92	784	23	15,600	3.81	594	12-71		36	857	.02	34	54
22-10-0223	5413479	1343665	12-60	8	305	17,318	4.02	697	20	13,534	3.69	500	10-71		44	704	.06	34	49
22-10-0223	6460175	1347940	8-65	4	303	18,430	3.68	679	13	14,567	3.71	540	3-71		44	939	.00	34	56
22-10-0223	6647887	1347940	1-66	5	305	17,290	3.63	628	11	14,714	3.72	548	3-72		44	790	-.01	27	46
22-10-0223	6697059	1347940	8-66	3	297	16,556	4.06	672	10	14,190	3.75	532	6-71		42	741	.04	33	50
22-10-0223	6933046	1347940	8-67	3	304	17,326	3.71	643	12	13,836	3.77	522	7-71		42	866	.00	31	52
22-10-0223	6933047	1347940	9-67	2	305	20,935	3.75	785	12	14,615	3.79	554	11-70		40	1,131	.00	41	68
22-10-0223	7025633	1471956	10-67	3	303	20,846	3.68	768	16	15,013	3.74	561	2-72		41	1,070	.00	38	64
22-10-0223	7322900	1347940	6-68	2	294	17,960	3.85	692	18	14,955	3.84	575	10-71		40	798	.01	30	49
22-10-0225	5174458	1189870	10-60	8	271	21,255	4.40	936	20	16,769	3.82	641	5-71		44	807	.12	48	64
22-10-0225	6273828	1298197	10-64	4	305	23,498	3.64	856	19	17,553	3.62	635	3-71		43	998	-.03	31	56
22-10-0225	6460176	1347940	9-65	5	293	18,834	3.47	653	21	15,950	3.72	593	12-71		44	845	-.04	25	46
22-10-0225	6722830	1458744	9-66	4	303	20,072	3.80	763	18	18,190	3.67	668	2-72		44	704	.02	28	44
22-10-0225	6874918	1347940	9-66	3	288	20,443	3.70	756	21	17,996	3.59	646	7-71		42	794	.02	31	49
22-10-0225	6914396	1347940	9-67	3	305	21,976	3.77	829	20	17,610	3.73	657	2-72		42	1,010	.01	38	62
22-10-0225	6914398	1347940	10-67	3	305	22,240	3.70	822	22	17,640	3.71	655	1-72		42	1,037	.00	38	63
22-10-0225	6962047	1444415	9-67	2	305	26,750	3.37	901	27	17,515	3.84	672	9-71		36	991	-.10	20	46
22-10-0225	7050856	1347940	11-67	2	305	22,790	3.65	831	14	18,055	3.67	662	3-72		40	1,005	.00	36	60
22-17-0021	5865590	1189870	6-63	6	305	20,902	3.39	709	19	15,025	3.61	542	4-71		44	964	-.03	30	54
22-17-0029	6634151	1347940	9-66	4	283	17,625	3.69	650	26	15,185	3.59	545	2-72	B	44	771	.01	30	48
22-17-0066	6788391	1347940	4-67	2	303	19,405	3.52	683	11	15,675	3.53	554	11-70		40	879	.00	31	52
22-17-0082	5708246	1189870	9-62	7	299	18,403	4.24	781	14	15,496	4.04	626	11-71		44	587	.06	30	42
22-17-0082	7423096	010275932	3-69	1	305	25,120	3.54	888	17	15,920	3.98	634	4-71		36	828	-.01	28	48
22-17-0093	6271386	010260599	1-63	5	305	20,162	3.36	677	12	14,368	3.77	541	4-72		44	939	-.10	18	43
22-17-0093	7423474	1489981	3-69	1	305	21,630	3.10	671	16	14,460	3.85	556	6-71		35	730	.01	28	45
22-17-0109	7020979	1458744	1-68	2	305	17,510	3.92	687	19	15,815	3.43	542	7-71		40	636	.05	30	44
22-17-0109	7572695	1427381	1-70	1	305	16,360	3.53	577	15	13,580	3.66	497	2-72		36	968	.03	40	62
22-17-0116	6531937	1347940	2-66	4	304	17,502	3.69	646	37	15,012	3.60	540	9-71		44	775	.01	30	48
22-17-0116	6573182	1347940	1-66	4	305	18,057	4.03	728	30	15,760	3.64	574	11-71		44	760	.06	36	53
22-17-0116	6573183	1347940	3-66	4	305	18,847	3.68	694	35	15,097	3.59	542	10-71		44	932	.01	35	57
22-17-0116	6573184	1347940	4-66	2	305	18,400	3.59	661	39	15,095	3.55	536	9-70		40	830	.00	30	50
22-17-0116	6927286	1379208	7-67	3	305	18,420	3.81	701	52	15,433	3.67	567	11-71		42	637	.03	28	42
22-17-0116	7277942	1379208	3-69	1	305	20,870	3.90	814	28	15,180	3.68	558	6-71		35	741	.03	32	49
22-17-0124	6781067	1347940	1-67	2	305	15,080	3.78	570	12	12,720	3.77	479	7-71		40	710	.00	26	43
22-17-0124	7305928	1347940	3-69	1	305	19,620	3.69	723	6	13,060	3.54	462	5-71		36	997	.01	38	61
22-17-0149	5708248	1189870	11-62	6	301	19,162	3.91	749	31	15,025	3.71	558	1-71		44	739	.05	34	50
22-17-0149	6183863	1413711	11-64	5	305	19,740	3.27	646	36	14,884	3.63	540	9-71		44	921	-.09	20	44
22-17-0149	6333461	1387171	3-64	6	301	20,540	3.35	689	32	14,465	3.71	536	11-71		38	1,056	-.05	30	57
22-17-0149	7060188	1493686	5-68	1	305	17,590	3.87	680	47	15,360	3.59	552	5-71		35	600	.06	30	43
22-17-0149	7285896	1458744	1-69	1	305	19,620	3.33	654	46	15,290	3.61	552	5-71		36	808	-.03	24	44
22-17-0149	7476180	1399824	10-69	1	305	18,750	3.28	615	66	13,360	3.72	497	2-72		36	739	-.02	24	42
22-17-0151	6765552	1347940	2-67	3	305	18,966	3.65	693	29	15,440	3.67	567	9-71		42	888	.00	32	53
22-17-0160	6104025	1167632	2-64	6	305	17,822	3.52	627	16	14,067	3.49	491	2-72		44	791	-.02	26	45
22-17-0160	7381754	1458744	6-68	1	305	18,390	3.15	580	25	14,280	3.36	480	9-71		36	784	-.03	23	43
22-17-0163	7513888	1347940	7-69	1	305	19,030	3.91	745	26	12,810	3.68	472	10-71		36	970	.03	39	61
22-17-0200	7220403	1261857	5-67	3	305	19,820	3.97	786	26	15,127	3.86	584	12-71		42	939	.08	46	66
22-17-0201	7627462	1458744	10-68	2	199	19,060	3.37	643	22	15,965	3.62	578	11-71	B	40	780	-.03	23	42
22-17-0205	6777389	1347940	7-66	4	302	16,100	3.80	611	15	13,687	3.76	515	11-71		44	749	.01	28	46
22-17-0205	6813136	1347940	1-67	3	305	16,490	3.65	602	21	13,540	3.64	493	9-71		42	800	.00	29	48
22-17-0210	6926486	1347940	10-66	4	299	21,197	4.02	853	5	17,237	3.87	667	1-72		44	984	.04	41	63
22-17-0220	7226098	1347940	12-68	1	305	18,110	3.38	612	30	12,420	3.61	448	1-72		36	927	-.02	31	54
22-17-0223	6786732	1347940	1-67	3	295	17,013	3.82	650	5	15,256	3.55	542	5-71		42	683	.04	30	45
22-17-0224	6173662	1320310	6-64	5	293	20,470	3.33	682	6	17,468	3.63	634	3-71		44	946	-.09	21	46
22-17-0224	6585580	1347940	4-66	4	286	21,465	3.38	725	6	17,840	3.59	640	12-71		44	950	-.04	28	52
22-17-0224	6767008	1347940	2-67	3	274	19,200	3.83	735	7	16,853	3.67	619	12-71		42	769	.02	31	49
22-17-0224	6899050	1347940	4-67	3	299	20,153	3.71	747	12	16,643	3.70	615	11-71		42	900	.00	33	54
22-17-0224	7509263	1347940	8-68	2	305	19,675	3.19	627	10	16,350	3.73	610	12-71		40	845	-.07	20	42
22-17-0227	6725987	1347940	12-66	3	293	19,796	3.08	609	5	15,583	3.19	497	5-71		42	969	-.03	30	54
22-17-0227	7279389	1347940	9-68	2	305	20,575	3.15	649	18	17,335	3.29	571	1-72		40	846	-.03	26	47
22-17-0236	6489674	1347940	12-65	3	305	18,390	3.83	705	14	15,493	3.65	566	9-71		42	817	.02	33	52
22-17-0236	7337445	1347940	9-68	1	305	18,590	3.91	727	8	16,010	3.41	546	2-71		36	723	.05	33	49
22-17-0237	6119955	1413711	5-64	3	271	22,163	3.67	814	18	16,900	3.63	614	2-71		42	935	-.02	31	54
22-17-0237	6943525	1347940	8-67	3	305	19,143	3.47	664	21	15,153	3.64	552	8-71		42	938	-.02	30	53
22-17-0237	7120490	1347940	10-67	3	294	18,180	3.66	666	21	15,483	3.66	567	11-71		42	793	.00	29	48
22-17-0243	6881942	1347940	5-67	2	293	16,585	4.05	672	20	14,720	3.72	548	10-71		40	680	.04	30	45

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C O	REPT (%)	.......C O W MILK (LB)	I N D E X....... FAT (%)	FAT (LB)	DOL-LARS
22-25-0005	5271747	1343665	10-60	8	300	18,184	4.07	740	55	15,119	3.88	587	9-71		44	631	.05	30	$ 44
22-25-0005	5844512	1298197	3-63	6	305	21,837	3.74	816	51	15,502	3.81	591	10-71		44	1,056	-.03	33	59
22-25-0005	6375726	1347940	8-65	5	295	17,566	3.90	685	51	15,978	3.83	612	11-71		44	679	.02	27	43
22-25-0005	6613999	1347940	4-66	3	305	20,890	3.57	746	57	15,880	3.87	615	9-71		42	1,064	-.03	33	59
22-25-0005	6614000	1347940	7-66	3	305	19,376	3.73	723	55	15,626	3.87	604	5-71		42	916	-.01	31	53
22-25-0005	6632427	1347940	2-66	4	292	18,982	3.62	688	54	15,547	3.85	598	11-71		44	898	-.03	28	50
22-25-0005	6717484	1347940	8-66	3	305	19,773	3.73	737	31	16,026	3.87	620	4-71		42	921	-.01	31	53
22-25-0005	6735733	1347940	8-66	4	305	19,317	3.89	752	48	16,000	3.84	615	12-71		44	889	.01	34	55
22-25-0005	6844483	1347940	7-67	1	305	17,700	4.10	726	50	15,320	3.92	600	9-70		36	702	.02	29	45
22-25-0005	6891285	1347940	11-66	3	305	17,260	3.99	688	64	15,536	3.90	606	9-71		42	682	.02	27	43
22-25-0005	6932599	1347940	7-67	3	292	18,850	3.60	679	58	15,636	3.86	604	9-71		42	855	-.03	26	47
22-25-0005	7067906	1347940	2-68	2	305	19,080	3.37	643	65	15,500	3.94	611	7-71		40	862	-.06	22	44
22-25-0005	7264092	1347940	2-69	1	305	19,250	3.85	742	101	15,150	3.97	601	8-71		36	829	.00	30	50
22-25-0005	7321428	1347940	1-69	2	296	19,465	3.83	746	49	16,235	3.90	633	11-71		40	834	.00	30	50
22-25-0005	7342605	1347940	4-69	1	305	20,840	4.20	875	101	15,150	3.97	601	8-71		36	948	.04	40	62
22-25-0005	7372423	1347940	8-69	1	305	19,650	3.38	665	101	15,150	3.97	601	8-71		36	859	-.05	24	46
22-25-0008	6512475	1347940	2-66	3	297	18,640	3.56	663	18	15,533	3.78	587	12-70		42	841	-.03	26	47
22-25-0008	6726853	1347940	4-66	3	305	20,106	3.63	730	18	15,410	3.81	587	1-71		42	1,023	-.02	34	59
22-25-0008	6760662	1347940	7-66	4	305	18,965	3.57	677	12	15,705	3.79	596	4-72		44	879	-.03	27	49
22-25-0008	6760663	1347940	7-66	4	305	16,945	3.98	674	21	15,180	3.79	575	11-71		44	687	.03	29	45
22-25-0008	6760664	1347940	1-67	3	305	22,680	3.44	780	18	15,116	3.80	575	1-72		42	1,349	-.05	41	74
22-25-0008	7327214	1347940	7-67	3	302	16,583	3.96	656	24	14,720	3.82	563	8-71		42	689	.02	28	44
22-25-0008	7327215	1347940	10-67	2	300	16,455	3.77	621	21	14,045	3.82	536	12-71		40	728	.00	26	43
22-25-0019	6607841	1261857	5-66	4	292	16,513	3.78	624	20	14,413	3.67	529	4-71		44	642	.07	34	47
22-25-0019	6732663	1347940	8-66	4	303	18,445	3.72	687	48	14,310	3.66	524	12-71		44	969	.01	37	60
22-25-0019	7524845	1347940	10-69	1	305	20,450	3.76	769	64	16,170	3.69	596	9-71		36	850	.01	32	52
22-25-0019	7524846	1347940	10-69	1	305	19,270	3.34	644	64	16,170	3.69	596	9-71		36	762	-.03	23	42
22-25-0022	6513780	1206797	2-66	5	300	21,882	3.85	842	27	17,994	3.61	649	3-72		44	753	.05	34	51
22-25-0022	6803870	1347940	4-67	3	303	22,423	3.52	789	34	17,033	3.63	619	1-72		42	1,121	-.02	38	65
22-25-0022	6988227	1495162	10-67	3	305	23,940	3.28	785	36	17,550	3.53	619	3-72		32	892	-.05	24	47
22-25-0022	6988237	1347940	1-68	2	296	21,545	3.07	661	29	17,145	3.48	596	4-71		40	962	-.06	25	50
22-25-0022	7131294	1347940	8-68	2	293	19,140	3.67	703	35	16,405	3.60	590	1-72		40	785	.01	30	48
22-25-0022	7131295	1347940	8-68	1	305	18,940	3.55	672	33	15,880	3.38	536	8-70		36	757	.01	29	47
22-25-0022	7218905	1347940	10-68	1	305	19,390	3.56	691	34	17,070	3.63	620	12-70		36	711	.00	25	42
22-25-0022	7218906	1347940	11-68	2	297	21,755	3.47	755	33	16,635	3.66	609	12-71		40	1,030	-.03	33	58
22-25-0022	7363600	1347940	10-68	2	301	19,780	3.28	649	40	15,235	3.67	559	8-71		40	957	-.05	27	51
22-25-0022	7363601	1347940	4-69	1	305	19,930	3.48	693	28	16,500	3.79	625	4-71		36	790	-.02	25	44
22-25-0022	7457857	1347940	3-69	1	305	19,630	3.60	706	28	16,500	3.79	625	4-71		36	767	-.01	26	45
22-25-0022	7457859	1347940	8-69	1	305	19,170	3.86	740	45	14,980	3.82	572	9-71		36	835	.01	32	52
22-25-0041	5826295	1413711	1-63	5	302	23,050	3.16	729	24	17,248	3.53	608	7-71		44	1,076	-.10	23	51
22-25-0041	6566945	1347940	12-65	3	295	20,796	3.48	724	22	16,730	3.57	598	10-71		42	965	-.02	32	55
22-25-0041	6759096	1351411	12-66	3	305	21,687	3.08	667	24	17,227	3.56	613	12-71		34	997	-.12	17	44
22-25-0041	7078749	1347940	4-68	2	305	22,600	2.99	676	19	17,250	3.55	612	8-71		40	1,059	-.09	25	53
22-25-0041	7078750	1347940	5-68	2	305	22,065	3.51	775	12	17,065	3.62	617	4-72		40	1,022	-.02	34	59
22-25-0041	7150273	1347940	10-68	1	305	22,440	3.05	684	28	17,860	3.30	589	8-71		36	885	-.04	26	48
22-25-0060	5955842	1214152	10-63	5	305	21,774	3.94	857	32	17,050	3.60	614	3-72		44	634	.05	30	44
22-25-0060	6988298	1471956	12-67	3	290	20,856	3.52	735	24	17,403	3.69	643	1-72		41	819	-.03	25	45
22-25-0060	6988299	1471956	12-67	3	297	21,703	3.36	730	30	17,150	3.69	633	1-72		41	945	-.05	26	50
22-25-0084	7160066	1347940	7-68	1	305	16,580	3.40	563	31	12,900	3.61	466	10-70		36	781	-.01	26	45
22-25-0084	7160067	1347940	7-68	2	305	18,015	3.34	602	36	12,825	3.59	460	11-71		40	998	-.03	31	56
22-25-0086	6693337	1347940	8-66	3	305	21,316	3.71	790	43	16,350	3.76	614	9-71		42	1,064	.00	38	63
22-25-0086	6725095	1347940	10-66	3	305	20,126	3.86	776	45	17,380	3.72	647	4-71		42	821	.02	33	52
22-25-0086	6778602	1347940	2-67	3	305	18,210	4.11	749	36	16,406	3.74	613	11-71		42	701	.06	34	49
22-25-0086	6778605	1379208	3-67	3	305	21,613	3.35	723	46	16,880	3.73	630	8-71		42	858	-.05	23	45
22-25-0086	6859735	1347940	7-67	3	305	22,010	3.54	780	37	16,396	3.76	616	3-72		42	1,139	-.03	37	65
22-25-0086	6951044	1347940	11-67	3	285	18,546	3.91	725	39	16,243	3.78	614	11-71		42	757	.02	31	48
22-25-0086	7178850	1347940	7-68	1	305	20,110	3.68	741	34	16,430	3.78	621	10-70		36	808	.00	29	48
22-25-0086	7178851	1347940	8-68	2	305	19,040	3.87	737	39	15,405	3.78	583	11-71		40	866	.02	34	54
22-25-0086	7476992	1347940	8-69	1	305	18,490	3.63	672	48	15,220	3.73	568	2-72		36	768	.00	27	45
22-25-0096	7560013	1347940	7-69	1	300	19,940	4.09	816	24	18,370	3.79	697	11-71		36	665	.03	29	44
22-25-0098	6533987	1347940	6-65	5	300	16,190	3.72	603	46	14,406	3.66	527	11-71		44	684	.01	26	42
22-25-0098	6600051	1469311	4-66	4	305	19,380	4.14	802	34	16,828	3.69	621	11-71		43	526	.11	35	45
22-25-0098	6997065	1347940	7-67	2	305	21,575	3.24	698	32	16,610	3.74	622	11-70		40	1,014	-.07	26	52
22-25-0098	7210447	1347940	7-68	2	305	21,600	3.14	678	33	17,360	3.62	629	1-72		40	948	-.07	23	48
22-25-0104	6731357	1347940	3-66	2	305	21,615	3.29	712	8	11,395	3.70	422	1-72		40	1,494	-.05	46	83
22-25-0116	6822220	1347940	4-67	2	305	19,310	3.64	702	9	14,645	3.54	518	12-70		40	963	.01	36	59
22-25-0120	6725093	1347940	8-66	3	305	17,553	3.87	679	25	15,590	3.81	594	6-71		42	710	.01	27	44
22-25-0120	6725094	1347940	9-66	3	301	18,406	3.77	694	29	15,510	3.79	588	5-71		42	817	.00	30	49
22-25-0120	6766881	1347940	11-66	3	305	20,500	3.75	768	26	15,646	3.73	584	2-72		42	1,043	.01	39	64
22-25-0120	6766882	1347940	11-66	3	305	19,473	3.59	699	21	15,420	3.80	586	4-71		42	949	-.02	31	54
22-25-0120	6766883	1347940	11-66	3	293	19,843	3.68	731	21	15,336	3.76	576	3-72		42	1,000	-.01	35	59
22-25-0120	6766884	1347940	11-66	2	303	17,930	3.50	628	24	15,445	3.74	578	9-70		40	750	-.03	23	42
22-25-0120	6766885	1347940	1-67	2	305	20,085	3.65	734	21	14,995	3.79	569	5-71		40	1,010	-.01	35	59
22-25-0120	6913535	1347940	6-67	2	305	20,070	3.67	736	28	15,610	3.74	584	1-71		40	952	-.01	33	56
22-25-0120	7188382	1347940	10-68	2	305	19,575	3.89	762	17	15,070	3.67	553	4-72		40	951	.03	39	61
22-25-0120	7215837	1347940	9-68	2	305	17,385	3.66	637	23	15,215	3.69	561	10-71		40	716	-.01	25	42
22-25-0130	6870180	1347940	10-66	3	297	17,393	3.61	628	35	13,956	3.78	527	12-71		42	861	-.01	29	50
22-25-0130	6993167	1347940	12-67	2	305	17,880	3.53	632	18	14,185	3.72	528	3-71		40	860	-.02	28	49
22-25-0130	7179397	1347940	2-68	2	305	15,965	3.74	597	55	13,480	3.69	497	7-71		40	730	.00	27	44
22-25-0131	6563224	1347940	4-66	4	303	18,760	3.44	646	16	14,837	3.77	560	8-71		44	950	-.05	27	51
22-25-0131	6751237	1347940	2-67	3	305	19,730	3.55	701	17	16,726	3.72	623	5-71		42	843	-.02	27	48
22-25-0131	6837949	1347940	6-67	3	303	18,216	3.59	654	16	14,920	3.85	575	12-71		42	856	-.03	27	48
22-25-0131	6930029	1471956	12-67	2	305	16,455	4.07	670	20	14,340	3.70	531	6-71		39	614	.04	28	42
22-25-0132	7022419	1347940	7-67	3	300	17,473	3.63	635	15	13,863	3.71	515	3-72		42	880	.00	31	52
22-25-0132	7082354	1347940	8-66	4	301	17,035	3.45	588	12	14,222	3.77	536	3-72		44	805	-.04	23	43

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C D	REPT (%)	.......C O W MILK (LB)	I N D E X....... FAT (%)	FAT (LB)	DOL-LARS
22-25-0133	6994413	1347940	11-67	2	305	16,245	3.63	590	31	13,755	3.80	523	12-70		40	733	-.02	24	$ 42
22-25-0133	6994415	1347940	12-67	3	262	16,496	3.57	589	35	13,890	3.79	527	11-71		42	765	-.02	24	43
22-25-0133	7029791	1447750	8-66	4	305	18,347	3.79	696	29	14,042	3.77	530	1-72		42	779	.01	29	47
22-25-0135	6756275	1347940	12-66	2	305	16,055	3.92	629	28	13,475	3.84	518	9-71		40	740	.02	29	46
22-25-0135	6913287	1347940	6-67	2	305	16,100	4.09	659	18	13,935	3.84	535	1-71		40	702	.03	30	46
22-25-0135	6955359	1347940	12-67	2	305	17,520	4.03	706	24	13,095	3.82	500	7-71		40	923	.03	38	59
22-25-0135	7384281	1347940	8-68	2	305	15,830	4.32	684	20	13,985	3.88	543	12-71		40	670	.05	32	47
22-25-0144	6492372	1347940	9-65	4	285	18,292	3.82	698	26	15,730	3.70	582	2-72		44	793	.02	31	49
22-26-0007	6749727	1347940	3-67	2	305	17,890	3.96	709	35	14,660	3.94	577	2-71		40	818	.01	31	50
22-26-0007	6794107	1347940	2-67	3	301	16,243	3.93	639	29	14,490	3.90	565	3-71		42	673	.01	26	42
22-26-0007	6892408	1347940	4-67	2	305	19,195	4.11	788	27	13,580	3.93	534	4-71		40	1,049	.03	43	67
22-26-0007	6900447	1347940	6-67	2	305	18,130	3.81	690	30	14,475	3.95	572	4-71		40	859	-.01	30	51
22-26-0029	5501688	1343665	10-61	6	302	18,798	3.31	622	19	13,803	3.72	514	8-71		44	866	-.05	23	45
22-26-0029	6747461	1347940	5-66	4	303	15,897	4.05	644	22	13,992	3.74	523	3-72		44	690	.04	31	46
22-26-0030	4977371	1091298	8-59	7	303	17,601	4.11	724	10	14,383	3.74	538	8-71		44	700	.06	34	49
22-26-0033	5887566	1167632	12-62	5	304	18,588	3.34	620	11	14,230	3.57	508	6-71		44	872	-.06	23	45
22-26-0033	6611999	1347940	8-65	5	251	16,142	3.95	637	31	14,626	3.79	554	12-71		44	652	.02	27	42
22-26-0033	7025804	1347940	8-67	2	293	17,250	3.95	681	10	14,425	3.96	571	10-71		40	774	.01	29	47
22-26-0033	7413641	1347940	12-67	2	298	16,645	3.78	629	12	13,865	3.82	530	3-72		40	764	.00	28	46
22-26-0033	7413642	1347940	2-68	2	305	17,110	3.99	682	10	13,840	3.90	540	9-71		40	814	.02	32	51
22-26-0033	7475907	1347940	8-68	1	305	21,840	4.08	891	12	16,110	4.01	646	12-70		36	958	.02	38	60
22-26-0033	7475908	1347940	8-68	2	305	18,410	4.50	829	12	15,715	3.96	622	12-71		40	774	.07	39	55
22-26-0068	6056273	1204163	2-64	6	305	22,895	3.65	836	15	16,980	3.67	624	3-72		42	812	-.01	28	48
22-26-0068	6934667	010288790	12-67	2	305	20,115	3.78	761	11	17,270	3.56	614	5-71		38	585	.09	35	46
22-26-0068	7311247	010288790	11-68	1	305	22,100	3.71	819	15	17,570	3.60	632	1-71	H	33	649	.08	35	48
22-26-0068	7318414	010288790	12-68	1	305	19,700	3.53	696	27	15,640	3.72	582	10-71		33	598	.05	29	42
22-26-0073	7064331	1347940	8-67	3	305	18,196	3.28	596	12	15,263	3.73	569	1-72		42	818	-.06	21	42
22-26-0102	7725152	1347940	2-69	1	305	18,260	3.71	677	15	14,840	3.72	552	12-71		36	776	.00	28	46
22-26-0148	7198855	1347940	10-68	2	298	17,980	3.94	708	7	14,950	3.75	561	12-71		40	800	.03	33	51
22-26-0150	5827169	1206797	4-63	6	305	20,655	3.92	809	27	15,612	3.87	604	1-72		44	873	.02	35	55
22-29-0021	6392928	1347940	8-65	4	298	16,127	3.50	565	35	12,952	3.67	475	6-71		44	834	-.02	27	47
22-29-0021	6635365	1347940	8-66	4	279	16,412	3.44	564	40	13,857	3.68	510	12-71		44	769	-.03	23	42
22-29-0021	6635366	1347940	10-66	3	297	18,896	3.25	615	22	13,486	3.74	504	4-71		42	1,083	-.06	29	57
22-29-0021	6937678	1308101	9-67	3	297	16,630	3.52	586	40	13,063	3.79	495	9-71		42	953	-.05	27	51
22-29-0044	6199389	1446414	7-64	6	302	20,900	3.78	790	31	16,846	3.69	622	12-71		37	714	.03	30	46
22-29-0044	6199392	1446414	7-64	5	305	20,010	3.99	799	28	16,830	3.70	623	9-71		37	586	.07	32	44
22-29-0044	6544748	1446414	1-66	4	305	18,872	4.63	873	29	16,707	3.64	608	11-71		36	424	.19	43	48
22-29-0044	7344012	1353009	7-67	2	305	28,545	3.14	897	30	17,770	3.61	642	4-71		33	1,504	-.11	36	75
22-29-0098	6598285	1347940	8-66	3	296	18,096	3.93	712	11	15,596	3.78	589	1-71		42	772	.03	32	50
22-29-0098	6840901	1347940	6-67	2	227	18,965	3.86	732	16	16,140	3.69	596	2-72	B	40	792	.02	32	50
22-29-0114	6708657	1347940	9-66	3	288	20,810	3.45	718	27	15,863	3.57	567	11-70		42	1,057	-.02	35	61
22-29-0114	6963183	1347940	9-67	3	301	20,750	3.25	675	31	15,713	3.54	557	10-71		42	1,065	-.05	31	58
22-29-0115	7020087	1347940	8-67	2	305	19,045	3.85	733	22	14,340	3.63	520	3-71		40	964	.03	39	61
22-29-0135	6222536	1199077	10-63	6	305	22,193	3.37	748	10	16,938	3.78	640	2-72		40	918	-.05	25	48
22-29-0147	6594802	1347940	12-65	5	302	20,584	3.21	660	28	18,188	3.51	638	2-72		44	811	-.05	21	42
22-29-0147	6723553	1467405	9-66	4	302	22,565	3.70	836	30	18,885	3.46	653	12-71		43	603	.06	30	43
22-29-0147	6753000	1470757	11-66	4	305	25,982	3.36	874	30	18,505	3.46	640	1-72		43	1,163	-.08	29	59
22-29-0167	6545654	1386406	2-66	4	299	16,057	4.09	657	14	13,182	3.72	490	5-71		44	570	.07	31	43
22-29-0169	5889911	1199324	8-63	7	304	16,897	3.72	629	19	13,063	3.56	465	11-71		44	908	.01	34	55
22-29-0177	7353266	1347940	1-68	2	305	22,875	2.83	647	6	17,360	3.20	555	10-71		40	1,077	-.08	27	55
22-29-0182	6792710	1347940	3-67	3	302	19,776	3.26	644	11	15,136	3.57	540	2-72		42	1,013	-.05	29	54
22-29-0182	6909921	1347940	10-66	4	305	19,862	3.45	686	28	16,827	3.82	643	3-72		44	865	-.05	23	45
22-29-0182	7228834	1458744	8-68	2	291	19,660	3.72	732	51	15,745	3.74	589	10-71		40	861	.00	31	52
22-29-0182	7722051	1347940	3-69	1	305	19,880	3.85	766	64	15,660	3.70	579	9-71		36	842	.02	33	53
22-29-0183	7160502	1454921	2-68	2	305	21,535	3.54	763	16	16,405	3.53	579	10-71		30	855	-.02	28	49
22-29-0183	7160504	1503794	12-67	2	305	22,845	3.32	758	22	16,975	3.48	590	12-71		25	775	-.03	23	42
22-29-0188	7037245	1348259	10-67	2	305	18,690	3.76	703	24	14,490	3.73	541	1-71		40	693	.01	27	43
22-29-0188	7037247	1347940	2-68	2	305	20,635	3.65	754	25	13,735	3.82	525	11-71		40	1,181	-.01	41	69
22-29-0188	7115870	1347940	5-68	2	305	17,630	3.61	637	27	13,645	3.81	520	1-72		40	884	-.02	29	51
22-29-0188	7245782	1347940	10-68	2	305	21,075	3.54	746	24	13,560	3.76	510	2-72		40	1,242	-.02	41	71
22-29-0188	7245783	1347940	12-68	2	302	16,365	3.69	604	27	13,685	3.81	521	10-71		40	752	-.01	26	44
22-29-0188	7270750	1347940	2-69	2	305	17,475	3.77	658	20	13,935	3.65	509	2-72		40	842	.01	32	52
22-29-0188	7358337	1347940	4-69	1	305	21,020	3.20	673	27	14,320	3.75	537	12-71		36	1,017	-.05	29	55
22-29-0188	7515120	1347940	9-69	1	305	17,360	3.87	672	18	14,500	3.74	543	9-71		36	732	.02	29	46
22-29-0233	6330618	1435461	1-65	3	305	22,807	3.56	813	23	17,613	3.68	648	6-71		32	937	-.02	30	53
22-29-0233	6434056	1386406	8-65	4	272	21,415	3.68	789	20	18,000	3.53	636	1-72	B	44	696	.04	31	47
22-29-0233	6685699	1386406	7-66	3	305	23,836	3.48	830	20	17,426	3.66	638	5-71		42	1,007	-.02	34	58
22-29-0233	6721125	1386406	6-66	3	305	21,576	3.37	727	19	16,906	3.60	609	4-71		42	801	-.03	25	45
22-29-0233	6846125	1406271	11-66	3	305	21,300	3.41	726	28	17,360	3.70	643	6-71		42	858	-.01	29	50
22-29-0251	7095147	1347940	7-68	1	305	19,200	3.42	656	30	15,160	3.54	537	10-70		36	825	-.01	28	48
22-29-0251	7356369	1347940	12-68	2	275	18,545	3.28	608	32	15,010	3.37	506	12-71		40	852	-.02	28	49
22-29-0253	6406384	1354348	2-65	5	265	20,798	3.27	680	20	15,566	3.67	572	2-72		39	901	-.09	19	43
22-29-0253	6657324	1347940	10-66	3	305	17,246	4.31	743	35	15,170	3.70	561	11-71		42	718	.08	38	53
22-29-0253	6776758	1347940	2-67	3	299	19,340	3.38	653	22	15,950	3.74	597	1-72		42	879	-.05	24	46
22-29-0253	6864182	1347940	6-67	2	299	18,510	3.88	718	19	15,155	3.67	556	4-71	H	40	835	.03	34	53
22-29-0253	6919441	1347940	11-67	1	305	16,730	4.40	736	40	14,970	3.77	565	9-70		36	654	.06	32	46
22-29-0253	7075741	1448047	9-67	2	305	21,645	3.27	707	19	14,135	3.74	529	6-71		29	940	-.08	22	47
22-29-0253	7280155	1347940	8-68	2	293	19,175	3.44	660	34	15,615	3.75	585	10-71		40	861	-.03	26	47
22-29-0253	7320967	1347940	10-68	2	305	23,120	3.04	703	17	16,010	3.70	593	2-72		40	1,225	-.10	29	61
22-29-0254	6754063	1377954	12-66	4	305	20,363	3.33	679	17	16,663	3.26	544	1-72		44	818	.01	31	50
22-29-0254	7186533	1422892	9-68	2	305	24,650	3.48	857	17	16,300	3.18	518	3-72		40	893	.04	38	58
22-29-0269	6677763	1347940	7-66	4	305	16,237	3.86	627	55	14,312	3.75	537	1-72		44	696	.02	28	44
22-29-0269	6677765	1347940	12-66	3	305	17,923	3.68	659	51	14,286	3.79	542	3-71		42	888	-.01	31	52
22-29-0269	6831176	1347940	1-67	2	305	16,505	4.02	663	50	13,585	3.79	515	5-71		40	775	.03	32	50
22-29-0269	6894616	1347940	4-66	3	305	19,293	3.51	678	47	14,240	3.76	535	11-71		42	1,050	-.03	33	59

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C O	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
22-29-0269	6918189	1347940	10-67	2	305	18,960	3.44	653	57	14,075	3.79	533	1-72		40	980	-.03	30	$ 54
22-29-0269	6978841	1347940	3-66	3	305	17,893	3.90	697	43	14,280	3.76	537	4-71		42	885	.02	35	56
22-29-0269	6983971	1278644	9-67	3	304	21,150	3.33	705	43	16,203	3.57	579	12-71		42	918	-.09	20	44
22-29-0269	7132326	1347940	4-68	2	305	16,730	4.03	674	57	13,800	3.78	522	9-71		40	779	.03	33	51
22-29-0269	7132327	1347940	6-68	2	299	16,605	3.97	659	51	14,285	3.76	537	12-71		40	722	.03	30	46
22-29-0269	7132328	1347940	8-68	2	305	16,765	3.80	637	55	14,480	3.78	547	12-71		40	720	.01	27	44
22-29-0269	7302909	1458744	11-67	2	303	20,390	4.20	856	54	14,105	3.76	531	2-72		40	1,085	.06	48	72
22-29-0269	7462740	1347940	6-69	1	305	15,620	3.99	624	47	13,430	3.84	516	7-71		36	674	.02	27	43
22-29-0269	7503096	1427381	11-69	1	305	18,710	3.51	656	37	15,180	3.83	581	3-72		36	1,036	.02	40	64
22-29-0311	6608777	1330987	3-66	4	301	18,718	3.15	589	17	13,440	3.49	469	3-71		44	922	-.03	29	52
22-29-0313	7557077	1427381	1-70	1	287	19,270	3.27	631	19	13,920	3.54	493	2-72		36	1,162	.01	44	71
22-29-0314	6570724	1347940	1-66	4	305	20,935	3.62	758	5	15,762	3.60	567	2-72		44	1,116	.00	41	67
22-29-0314	6600453	1347940	4-66	3	305	18,456	3.41	629	5	15,120	3.68	556	8-70		42	863	-.03	26	47
22-29-0314	6672751	1451463	9-65	4	305	22,095	3.17	701	9	16,315	3.65	595	2-72		30	908	-.10	18	42
22-29-0314	6958993	1347940	5-67	3	299	19,563	3.00	587	5	15,333	3.53	542	8-71		42	968	-.08	22	47
22-29-0324	6978840	1347940	1-66	4	273	19,522	3.32	648	13	16,202	3.57	578	11-71		44	892	-.04	26	48
22-29-0329	6290233	1278644	1-65	2	305	21,780	3.13	681	10	15,835	3.37	534	12-70		40	958	-.09	20	45
22-29-0329	7051693	1347940	9-67	3	297	19,366	3.39	657	9	15,116	3.37	510	2-72		42	968	-.01	34	57
22-29-0329	7191662	1347940	9-68	2	305	19,710	3.24	638	7	16,495	3.36	554	5-71		40	835	-.03	26	47
22-29-0336	6422249	1167632	8-65	4	303	17,893	3.56	637	9	14,390	3.57	514	10-71		43	746	-.02	24	42
22-29-0365	5338649	1189870	7-60	3	305	26,453	4.11	1086	31	15,977	3.67	586	8-71		42	1,428	.10	67	98
22-29-0365	6962621	1483717	8-67	3	299	21,676	3.47	753	27	16,663	3.66	610	12-71		33	966	-.05	27	51
22-29-0365	6962623	1483717	8-67	2	293	20,130	3.46	697	39	15,670	3.73	585	7-71		30	819	-.06	21	42
22-29-0365	7083290	1483717	4-68	2	305	21,540	3.65	786	15	16,560	3.65	605	3-72		30	891	-.02	29	51
22-29-0365	7192454	1416771	1-67	3	305	21,156	3.71	784	34	15,166	3.60	546	12-71		37	847	.08	43	61
22-29-0365	7217250	1427381	1-69	1	305	19,700	3.57	703	69	15,850	3.72	589	9-71		36	1,065	.03	43	68
22-29-0365	7548622	010275932	3-69	1	305	21,880	4.15	908	63	16,160	3.74	605	10-71		36	570	.07	31	43
22-29-0368	6481484	1330987	8-65	4	293	19,418	3.81	739	17	14,220	3.42	486	11-71		44	922	.08	46	66
22-36-0003	7116162	1347940	5-68	1	223	19,450	3.94	767	6	16,150	3.60	581	10-71	B	36	777	.03	33	51
22-36-0003	7314123	1347940	10-68	1	130	20,160	3.41	688	8	17,330	3.65	633	1-71	B	36	751	-.02	24	42
22-36-0014	6542131	1347940	6-64	5	304	17,802	3.44	612	49	13,820	3.54	489	11-71		44	960	-.02	32	55
22-36-0014	6649612	1347940	4-65	5	305	16,352	3.50	573	45	13,768	3.55	489	12-71		44	779	-.01	27	46
22-36-0014	6678122	1347940	7-66	3	305	16,350	3.76	614	31	14,273	3.59	513	2-72		42	708	.02	28	44
22-36-0014	6819600	1347940	9-66	3	305	18,236	3.86	703	40	13,820	3.59	496	9-71	B	42	972	.03	40	62
22-36-0014	6819602	1347940	11-66	2	305	15,890	3.81	606	30	13,695	3.54	485	4-71		40	703	.02	29	45
22-36-0014	6819606	1347940	12-66	2	303	16,445	3.59	590	61	13,610	3.62	493	12-71		40	767	.00	27	45
22-36-0014	7021180	1347940	9-67	1	305	19,780	3.68	727	67	14,250	3.60	513	11-70		36	929	.01	35	57
22-36-0017	6758928	1458744	10-66	2	256	21,220	3.56	755	24	15,015	3.64	546	8-70	B	40	1,086	-.01	37	63
22-36-0017	6903174	1458744	5-67	2	237	17,985	3.65	657	26	15,345	3.66	562	9-70	B	40	727	-.01	25	43
22-36-0019	6017784	1189870	10-63	6	305	24,005	3.65	876	26	15,940	3.59	573	12-71		44	1,258	.02	48	77
22-36-0019	6701913	1347940	6-66	3	272	17,910	3.57	639	27	15,780	3.56	562	2-71		42	732	.00	26	43
22-36-0019	6712247	1347940	8-66	4	305	18,467	3.50	647	28	15,767	3.55	559	1-72		44	810	-.01	28	48
22-36-0019	6712248	1347940	9-66	3	305	19,436	3.23	628	19	14,440	3.51	507	6-71		42	1,046	-.04	31	57
22-36-0019	7172772	1458744	8-68	1	305	20,080	3.42	687	21	13,680	3.71	508	7-71		36	950	-.03	30	53
22-36-0029	6677010	1347940	12-66	3	263	16,883	3.77	637	20	14,843	3.71	551	1-71	B	42	711	.01	27	44
22-36-0029	6746622	1347940	12-66	3	244	17,720	3.61	639	13	15,416	3.72	574	3-71	B	42	748	-.01	25	43
22-36-0036	7350125	1347940	2-69	1	305	18,000	3.76	677	27	16,030	3.64	583	2-71		36	677	.01	26	42
22-36-0047	7252463	1347940	11-68	1	305	20,360	3.70	753	29	16,780	3.65	613	9-71		36	803	.01	30	49
22-36-0061	6897733	1347940	6-67	2	278	18,585	3.90	724	12	14,400	3.72	535	1-71	B	40	912	.03	37	58
22-36-0063	7011930	1413165	12-66	3	303	20,756	3.34	693	19	15,180	3.66	556	8-71		42	970	-.12	16	43
22-36-0063	7393004	1427381	7-69	1	305	17,540	3.99	700	21	15,090	3.63	548	9-71		36	955	.07	45	66
22-36-0063	7410842	1427381	9-68	1	305	18,980	3.56	675	22	14,970	3.67	549	8-71		36	1,070	.03	43	68
22-36-0066	6601309	1347940	1-66	4	305	18,727	3.79	710	11	14,280	3.58	511	4-72		44	1,008	.03	41	64
22-36-0066	6893943	1347940	7-67	3	293	19,000	3.76	714	10	14,543	3.78	549	11-71		42	985	.00	36	59
22-36-0068	6490531	1347940	11-65	4	303	17,827	4.01	714	15	15,235	3.97	605	1-72		44	790	.02	31	49
22-36-0068	6698253	1347940	10-66	4	290	19,025	3.95	751	17	16,025	3.87	620	1-72		44	850	.02	34	54
22-36-0068	6897735	1347940	6-67	3	305	18,756	3.53	663	7	15,650	3.65	572	7-71		42	842	-.02	28	48
22-36-0068	6932597	1347940	5-67	3	304	25,240	3.39	855	18	16,260	3.89	633	1-72		42	1,525	-.07	44	82
22-36-0068	6953814	1347940	3-67	3	303	25,896	3.56	921	11	16,190	3.96	641	1-72		42	1,608	-.05	50	90
22-36-0068	6991392	1347940	6-67	3	297	24,903	3.36	836	11	16,083	3.92	630	2-72		42	1,504	-.08	42	80
22-36-0068	6991393	1347940	8-67	2	298	22,295	3.56	794	17	16,130	3.89	628	11-71		40	1,131	-.04	35	63
22-36-0068	7068074	1347940	6-66	3	281	21,483	3.52	756	13	15,966	3.78	604	2-71		42	1,123	-.04	35	63
22-36-0068	7068075	1347940	5-67	3	304	21,086	3.67	774	14	15,973	3.88	619	10-71		42	1,077	-.02	36	62
22-36-0068	7393552	1347940	7-68	2	305	20,040	3.99	799	17	16,130	3.89	628	11-71		40	902	.02	36	57
22-36-0068	7416013	1347940	10-67	2	305	19,735	3.67	724	14	15,615	3.90	609	12-71		40	918	-.02	30	52
22-36-0068	7552667	1347940	3-68	2	295	19,105	3.45	660	14	15,540	3.89	604	10-71		40	861	-.05	24	46
22-36-0074	5147340	1193506	9-60	7	305	19,536	4.11	802	17	16,007	3.67	587	5-71		44	686	.11	41	54
22-36-0074	6630417	1347940	7-66	4	298	18,377	3.55	653	18	15,945	3.73	595	1-72		44	779	-.03	24	43
22-36-0074	6969563	1347940	2-68	3	305	18,043	3.74	675	18	15,503	3.69	572	1-72		42	776	.01	29	47
22-36-0074	7454602	1464901	1-70	1	305	18,040	3.64	656	24	15,850	3.79	601	12-71		33	810	-.03	25	45
22-36-0159	7349421	1458744	4-69	1	305	20,020	3.79	759	45	16,210	3.72	603	12-71		36	776	.01	29	47
22-36-0159	7451410	1427381	8-69	1	295	21,500	3.36	723	39	15,790	3.69	582	9-71		36	1,203	.01	45	73
22-36-0159	7500144	1427381	11-69	1	305	17,760	3.65	648	45	16,070	3.73	600	12-71		36	906	.03	38	59
22-36-0159	7500987	1427381	1-70	1	305	21,600	3.45	745	45	16,070	3.73	600	12-71		36	1,192	.01	45	73
22-36-0163	7140007	1244009	3-68	2	263	18,740	3.79	711	18	15,090	3.55	535	8-71	B	40	797	.00	28	47
22-36-0172	6623312	1458117	9-66	3	305	21,216	3.51	745	30	15,420	3.63	560	11-71		39	945	-.05	27	51
22-36-0183	6914434	1347940	11-67	2	303	18,135	3.35	608	17	15,045	3.62	544	5-71		40	807	-.03	24	44
22-36-0188	6540076	1268087	3-66	2	305	22,800	3.61	822	10	16,165	3.61	583	1-71		40	661	.02	27	42
22-36-0188	6610224	1347940	8-66	3	305	19,053	3.43	653	10	16,150	3.77	609	10-71		42	825	-.04	23	44
22-36-0193	5874443	1413711	9-63	5	305	20,892	3.58	748	42	16,800	3.71	623	7-71		44	847	-.05	23	45
22-36-0193	6139872	1413711	8-64	5	305	21,986	3.75	825	50	16,636	3.76	625	4-71		44	1,009	-.02	33	58
22-36-0193	6286162	1346469	3-65	5	298	22,036	4.23	933	61	17,104	3.74	640	11-71		36	809	.13	49	65
22-36-0193	6396197	1347940	10-65	3	305	21,450	3.50	750	48	17,403	3.80	662	1-71		42	971	-.04	29	53
22-36-0193	6521073	1347940	2-66	3	305	20,976	3.35	703	51	16,710	3.66	612	9-70		42	988	-.05	28	53
22-36-0193	6579956	1347940	5-66	4	304	20,837	3.19	664	46	16,522	3.71	613	12-71		44	1,019	-.08	24	51

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALV MO-YR	T O	C REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
22-36-0193	6592930	1347940	4-66	4	305	20,632	3.68	760	51	16,417	3.67	602	10-71		44	1,005	.00	37	$ 61
22-36-0193	6592931	1347940	5-66	3	244	21,826	4.10	894	51	17,010	3.72	633	1-71	B	42	1,055	.06	48	71
22-36-C193	6592935	1347940	5-66	4	305	22,307	3.51	782	44	16,912	3.82	646	1-72		44	1,157	-.04	35	64
22-36-0193	6592936	1347940	7-66	3	300	19,696	3.66	721	40	16,770	3.85	645	2-72		42	835	-.02	27	47
22-36-0193	6610225	1347940	8-66	2	305	22,445	3.48	781	39	16,610	3.66	608	5-71		40	1,102	-.02	36	63
22-36-0193	6610226	1347940	9-66	3	296	19,866	3.62	719	46	16,080	3.66	589	8-71		42	926	.00	33	55
22-36-0193	6713519	1347940	12-66	3	305	19,100	3.58	684	47	16,093	3.68	592	11-71		42	836	-.01	28	48
22-36-C193	6713521	1347940	1-67	3	305	20,446	3.30	674	35	16,593	3.69	612	1-72		42	939	-.06	25	49
22-36-0193	6713523	1347940	1-67	3	298	19,716	3.93	774	42	16,240	3.71	602	1-72		42	892	.04	38	56
22-36-0193	6713525	1347940	1-67	3	305	20,093	3.37	678	52	16,150	3.68	595	10-71		42	944	-.05	27	51
22-36-0193	6776757	1347940	2-67	2	305	22,070	3.36	742	39	16,610	3.66	608	5-71		40	1,064	-.04	32	58
22-36-0193	6864181	1347940	4-67	3	295	19,393	3.25	631	46	16,153	3.74	604	12-71		42	864	-.07	21	43
22-36-C193	6937882	1347940	10-67	2	305	20,805	3.52	733	49	15,680	3.71	582	11-71		40	1,021	-.02	33	58
22-36-C193	6937883	1347940	10-67	2	305	20,080	3.76	755	35	16,680	3.85	642	6-71		40	856	-.01	30	51
22-36-0193	6999101	1347940	12-67	2	305	20,530	3.89	798	37	15,940	3.74	596	3-72		40	969	.03	39	61
22-36-C193	7118046	1347940	5-68	1	305	19,920	3.64	725	55	15,670	3.79	594	11-70		36	844	-.01	29	49
22-36-C193	7276650	1347940	12-68	1	305	20,030	3.37	676	62	15,460	3.69	571	9-71		36	867	-.03	27	48
22-36-0194	6999227	1347940	2-68	2	286	22,355	3.35	750	23	16,295	3.64	593	8-71		40	1,122	-.04	34	62
22-36-C194	6999228	1347940	2-68	2	302	20,705	3.69	765	23	16,295	3.64	593	8-71		40	954	.01	36	58
22-36-0194	7118047	1347940	6-68	2	305	20,150	4.15	836	22	16,315	3.66	597	11-71		40	896	.06	42	62
22-36-0194	7344671	1347940	6-69	1	294	19,480	3.77	735	16	15,970	3.71	592	1-72		36	792	.01	30	49
22-36-0196	7425952	1427381	2-69	1	294	18,270	3.59	655	19	14,380	3.50	503	8-71		36	1,057	.04	45	69
22-36-0200	4526382	1167632	1-58	10	287	18,781	3.81	716	33	13,737	3.67	504	4-72		44	955	.01	36	58
22-36-0200	6208794	1298197	6-64	5	302	20,650	3.64	751	44	16,016	3.69	591	7-71		44	841	-.04	24	45
22-36-C200	6518579	1488514	3-66	4	305	23,120	3.25	751	62	15,827	3.64	576	2-72		33	1,304	-.09	33	67
22-36-0200	6672377	1347940	5-66	3	301	23,243	3.44	800	56	15,733	3.65	574	6-71		42	1,350	-.04	43	76
22-36-0200	6672384	1447750	8-66	3	305	21,546	3.57	769	58	15,903	3.63	578	5-71		41	928	-.02	31	54
22-36-0200	6805290	1347940	4-67	2	300	20,465	3.36	687	87	15,960	3.60	575	11-71		40	960	-.04	29	53
22-36-C200	6805294	1347940	1-67	2	293	20,640	3.19	658	84	16,450	3.57	587	12-71		40	933	-.06	25	49
22-36-0200	7031481	1488514	5-66	3	305	21,943	3.40	745	63	16,120	3.65	589	12-71		32	1,046	-.06	29	55
22-36-0200	7441556	1347940	10-68	2	297	22,495	3.28	738	78	16,620	3.53	587	1-72		40	1,106	-.04	33	61
22-36-0200	7441557	1347940	5-69	1	305	22,730	3.57	811	70	17,060	3.59	613	2-72		36	961	.00	34	57
22-36-C200	7441558	1347940	5-69	1	305	19,550	3.05	597	82	15,480	3.63	562	7-71		36	830	-.05	22	43
22-36-0200	7535541	1347940	9-68	2	305	22,375	3.21	718	77	16,510	3.58	591	2-72		40	1,104	-.06	31	59
22-36-C200	7576603	1347940	11-69	1	305	22,480	3.46	778	70	17,060	3.59	613	2-72		36	942	-.01	32	55
22-36-0200	7623822	1347940	12-69	1	305	20,770	3.35	695	82	16,820	3.59	603	12-71		36	831	-.03	26	46
22-36-0200	7826139	1447414	8-70	1	305	21,460	3.33	714	60	17,760	3.54	628	3-72		35	915	-.05	25	48
22-36-C203	6910432	1347940	7-66	3	305	18,296	3.77	690	39	15,323	3.58	548	2-72		42	823	.03	34	53
22-36-C203	7398306	1347940	7-69	1	305	19,500	3.55	693	53	16,330	3.45	564	12-71		36	769	.01	29	47
22-36-0203	7436237	1347940	4-68	2	298	19,785	3.46	684	21	15,440	3.56	550	6-71		40	939	-.02	31	54
22-36-0203	7616655	1347940	3-70	1	305	20,560	3.27	673	18	16,360	3.59	587	4-72		36	846	-.03	26	47
22-36-C207	7462881	1471956	2-68	2	304	16,985	3.70	628	6	12,835	3.85	494	3-72		39	809	-.01	27	47
22-36-0212	7643131	010275932	10-68	2	305	25,040	3.29	823	10	15,885	3.65	580	12-71		40	1,068	-.04	33	59
22-36-C215	6986338	1261857	3-67	2	266	21,250	3.73	793	41	16,850	3.72	627	9-71		40	876	.06	41	6C
22-36-C215	7062322	1261857	8-67	2	305	18,540	3.73	691	14	16,965	3.54	601	4-72		40	591	.08	33	45
22-36-C215	7062325	1261857	9-67	1	305	19,450	3.68	715	27	17,500	3.56	623	2-71		36	599	.07	32	44
22-36-C215	7062330	1261857	10-67	2	305	21,495	3.61	777	25	17,250	3.59	620	1-72		40	865	.06	40	59
22-36-0221	6897734	1347940	6-67	3	305	16,810	3.46	582	8	14,136	3.71	525	8-71		42	775	-.03	23	42
22-36-0221	7164822	1347940	8-68	2	305	17,840	3.61	644	15	13,480	3.65	492	9-71		40	921	-.01	32	54
23-01-0029	6569988	1399824	10-65	4	305	18,880	4.19	791	26	16,193	3.82	619	7-71		44	660	.08	36	50
23-01-0029	6770422	1399824	10-66	3	305	21,680	4.10	888	21	17,137	3.86	661	3-71		42	868	.07	42	61
23-01-C029	6770423	1399824	11-66	3	303	19,383	3.65	707	27	16,180	3.80	615	5-71		42	703	.00	26	43
23-01-0029	6770424	1399824	11-66	3	305	21,577	4.08	881	22	16,753	3.84	643	8-71		42	896	.07	43	62
23-01-0029	7049801	1399824	3-68	2	305	22,290	3.63	810	25	16,310	3.87	631	12-71		40	951	.00	34	57
23-01-0038	7404862	1500404	8-69	1	305	21,820	3.30	719	30	13,500	3.87	523	10-71		34	981	-.13	16	43
23-01-0073	5910486	1378276	9-63	5	305	19,532	3.72	726	27	15,346	3.52	540	3-72		34	651	.04	30	44
23-01-0094	5992552	1122127	12-63	6	275	18,710	3.70	693	26	13,857	3.66	507	11-71		44	909	-.02	29	51
23-01-0094	6210485	1320310	10-64	5	302	19,736	3.21	633	17	14,808	3.72	551	7-71		44	1,160	-.11	25	56
23-01-0094	6794908	1347940	3-67	2	305	18,920	3.72	704	22	14,575	3.66	534	6-71		40	930	.01	35	57
23-01-0094	6983263	1458744	12-67	3	305	17,416	4.05	705	34	14,593	3.63	530	2-72		42	762	.05	35	52
23-01-0094	7099286	1399824	4-68	1	305	20,440	3.90	797	40	15,530	3.76	584	1-71		36	720	.04	32	48
23-01-0106	5972311	1199324	12-63	5	305	19,088	3.59	685	14	14,138	3.81	538	4-71		44	1,066	-.04	33	59
23-01-0106	6191481	1276654	1-65	5	295	20,062	3.46	695	11	14,532	3.89	566	2-71		44	837	-.06	21	43
23-01-0106	6812608	1261857	3-67	3	281	17,130	3.78	647	24	13,377	3.60	481	7-71		42	811	.08	41	58
23-01-0106	7430165	1406271	9-69	1	285	17,880	3.35	599	25	13,810	3.54	489	8-71		36	707	.02	28	44
23-01-0115	7172283	1320310	10-68	1	305	18,160	3.31	602	53	14,080	3.92	552	1-71		36	895	-.08	20	44
23-01-C115	7172289	1399824	8-68	2	302	16,490	4.41	727	54	14,215	3.95	562	9-71		40	554	.08	32	43
23-01-0115	7466125	1441440	12-69	1	305	20,120	3.80	764	49	14,640	3.96	580	12-71		36	803	.02	32	51
23-01-C115	7492248	1441440	1-70	1	305	18,710	3.70	692	49	15,010	3.97	596	10-71		36	673	.01	26	42
23-01-0115	7492250	1441440	2-70	1	305	18,160	4.43	805	57	14,880	3.97	590	11-71		36	641	.07	34	47
23-01-0115	7531849	1441440	1-70	1	305	21,960	3.73	820	17	14,630	3.90	570	3-72		36	941	.02	37	59
23-01-C148	6389644	1441440	8-65	5	297	15,996	4.29	687	15	13,650	3.83	523	3-72		44	637	.09	37	5C
23-01-0152	6288201	1441440	2-65	4	300	22,655	3.36	761	13	17,395	3.50	609	1-71		44	1,035	-.01	36	61
23-01-0153	5403154	1189870	8-61	8	305	19,044	4.32	823	11	15,700	3.87	608	7-71		44	646	.09	37	5C
23-01-0153	6119088	1320310	8-64	5	305	17,124	3.80	651	20	15,008	3.66	550	7-71		44	8C0	-.01	27	46
23-01-0153	6302415	1320310	1-65	2	305	17,685	4.04	715	19	15,340	3.70	568	1-71		40	8C5	.01	30	49
23-01-C153	6916410	1462564	1-67	2	172	24,400	3.50	853	19	16,495	3.77	622	2-71		29	1,061	-.04	32	58
23-01-0153	6953302	1347940	3-67	1	305	20,570	3.76	774	20	17,980	3.74	672	3-71		36	738	.C1	28	45
23-01-C153	7361850	1309574	7-68	2	305	22,445	3.15	708	22	16,610	3.54	588	10-71		40	832	-.02	27	47
23-01-0155	6718663	1320310	10-66	3	305	20,420	3.55	724	11	16,947	3.85	652	6-71		42	968	-.07	24	49
23-01-0155	6718664	1320310	10-66	3	305	19,167	3.70	710	20	16,557	3.92	649	2-71		42	864	-.05	23	45
23-01-0155	7210273	1427615	6-68	2	305	23,695	3.19	755	11	16,525	3.86	638	5-71		40	1,209	-.18	16	50
23-01-C164	6631487	1399824	11-64	2	305	18,580	3.95	733	27	15,480	3.80	588	10-71		40	650	.04	30	44
23-01-0164	6748737	1309574	2-67	2	305	21,390	3.58	765	27	14,960	3.80	568	7-71		40	875	.02	35	55
23-01-0164	6871906	1458744	8-67	3	293	20,566	3.17	652	26	15,300	3.92	600	12-71		42	1,051	-.10	22	50

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C D	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOLLARS
23-01-0164	6891521	1261857	8-67	2	305	17,285	4.60	795	27	14,890	3.88	578	8-71		40	653	.14	45	$ 57
23-01-0164	7539123	1447141	8-69	1	305	20,260	3.62	734	28	15,160	3.84	582	10-71		36	628	.04	29	43
23-01-0164	7687187	1441440	5-70	1	305	22,390	3.06	685	24	15,880	3.78	600	2-72		36	889	-.05	25	47
23-02-0001	6697314	1320310	10-66	3	305	16,443	3.89	640	37	14,840	3.61	535	2-71		42	728	.00	27	44
23-02-0001	6846749	1399824	3-67	3	297	16,343	4.29	701	41	13,967	3.74	523	8-71		42	582	.09	35	46
23-02-0001	6846758	1441440	5-67	3	299	16,283	4.48	729	41	14,070	3.70	521	8-71		42	608	.12	40	51
23-02-0001	7060040	1491821	2-68	2	305	21,185	3.72	789	33	14,795	3.74	554	10-71		37	725	.00	26	43
23-02-0001	7199948	1441440	11-68	1	305	19,360	4.21	815	36	16,860	3.71	625	12-71		36	597	.08	33	45
23-02-0008	6756798	1399824	11-66	3	302	18,973	4.26	809	41	16,400	3.73	611	4-71		42	633	.10	38	50
23-02-0008	6850260	1399824	3-67	3	305	19,127	4.37	835	45	15,700	3.73	586	10-71		42	723	.12	44	58
23-02-0008	6850261	1399824	4-67	3	305	20,433	4.36	890	42	15,783	3.74	590	1-72		42	864	.12	50	67
23-02-0008	7378325	1320310	2-69	1	305	20,930	3.52	737	42	16,690	3.77	629	6-71		36	926	-.05	25	49
23-02-0027	6966415	1393031	12-67	2	305	22,660	4.01	908	42	18,395	3.63	667	2-72		40	757	-.02	25	43
23-02-0042	6888351	1427615	8-67	3	301	19,210	3.62	695	24	14,890	3.70	551	11-71		42	946	-.09	20	45
23-02-0047	6787209	1399824	2-67	3	305	17,253	3.66	631	13	14,003	3.78	530	9-71		42	683	.01	26	42
23-03-0001	6688043	1347940	9-66	3	305	19,893	3.46	689	17	15,936	3.63	579	8-71		42	944	-.03	30	53
23-03-0001	7392761	1493686	2-69	1	305	19,010	3.98	756	10	16,150	3.85	622	4-71		35	653	.05	31	45
23-03-0001	7392762	1493686	8-69	1	305	20,600	3.33	687	10	16,720	3.74	626	8-71		35	735	.00	26	44
23-03-0001	7498955	1493686	10-69	1	305	20,960	4.12	864	17	17,150	3.74	642	12-71		35	733	.08	38	53
23-03-0001	7498957	1493686	11-69	1	305	21,870	3.60	787	14	17,640	3.67	647	11-71		35	768	.03	32	50
23-03-0007	6768189	1393031	3-67	4	304	22,577	3.00	677	12	15,267	3.73	570	3-72		44	1,181	-.19	13	46
23-03-0037	7040768	1427615	1-68	2	305	20,085	3.46	694	21	15,335	3.66	561	9-71		40	951	-.11	17	43
23-03-0037	7535657	1427381	12-69	1	305	19,720	3.64	717	12	16,890	3.71	627	12-71		36	997	.03	41	64
23-03-0039	7270739	1427381	10-68	2	305	18,955	3.49	662	11	14,790	3.73	552	3-72		40	1,148	.01	43	7[illegible]
23-03-0039	7438478	1427381	12-69	1	305	19,530	3.47	677	12	16,440	3.72	612	12-71		36	1,013	.02	39	63
23-03-0040	6743966	1458744	9-66	4	304	20,527	3.49	717	32	15,720	3.59	565	1-72		44	1,035	-.02	34	59
23-03-0040	6743967	1458744	1-67	3	301	18,356	3.45	634	30	15,720	3.56	560	12-71		42	753	-.02	24	42
23-03-0041	7914641	1320310	10-69	1	305	20,680	3.81	787	25	17,950	3.66	657	12-71		36	823	-.02	27	47
23-03-0052	7143968	1458744	6-68	2	305	20,270	4.04	819	19	17,835	3.60	642	2-72		40	732	.06	35	51
23-03-0053	6341537	1427615	7-65	3	305	19,817	3.35	663	27	15,207	3.73	567	2-71		42	983	-.13	15	42
23-03-0053	7360792	1309574	2-69	1	305	22,060	3.57	788	60	16,450	3.72	612	11-71		36	664	.03	29	44
23-03-0053	7404023	1399824	7-69	1	305	21,610	3.29	711	54	16,250	3.77	613	10-71		36	758	-.02	24	43
23-03-0053	7476268	1427615	11-69	1	305	21,840	3.64	796	52	16,670	3.69	615	11-71		36	891	-.09	18	42
23-03-0058	7266327	1399824	8-68	2	305	19,750	3.36	663	8	15,215	3.79	577	12-71		40	793	-.03	24	44
23-04-0010	7332425	1309574	3-69	1	305	29,440	2.84	836	8	16,780	3.69	620	6-71		36	1,192	-.07	32	62
23-04-0019	7263800	1320310	1-69	1	305	17,920	3.31	593	25	14,950	3.48	520	9-71		36	819	-.06	21	42
23-04-0020	6509513	1447246	8-65	3	305	23,590	4.00	944	6	17,093	3.69	630	1-71		41	742	.11	43	58
23-04-0020	6569493	1447246	8-65	4	305	23,142	3.86	893	6	16,802	3.83	643	3-71		42	781	.06	38	55
23-04-0020	7027674	1493686	10-67	2	305	24,770	3.74	926	10	19,305	3.83	739	4-71		40	1,006	.02	40	63
23-04-0020	7228385	1458744	2-67	2	185	18,610	3.91	728	14	16,595	3.77	625	7-71	B	40	677	.02	27	43
23-04-0020	7456621	1427615	2-68	2	305	21,610	3.63	784	13	16,600	3.80	631	9-71	B	40	990	-.10	20	46
23-04-0020	7645950	010275932	7-65	2	299	22,970	3.52	809	13	17,040	3.79	646	10-71		40	752	-.01	25	43
23-04-0027	7896788	1427615	9-69	1	305	19,580	3.47	680	8	13,800	3.63	501	1-72		36	915	-.10	17	42
23-04-0029	7094731	1441440	4-68	2	305	19,725	3.58	707	5	14,885	3.69	549	4-71		40	865	.01	33	53
23-04-0030	7200113	1320310	9-68	2	305	17,820	3.42	609	14	13,425	3.78	508	1-72		40	994	-.07	25	51
23-04-0066	7115895	1427381	8-68	2	305	20,200	3.67	741	6	16,385	3.74	613	11-71		40	1,129	.03	46	72
23-05-0013	6154294	1382261	1-64	4	305	20,203	3.58	724	32	15,360	3.65	560	10-71		43	694	.01	27	43
23-05-0013	6563248	1399824	12-65	3	302	20,503	3.75	768	17	16,607	3.64	604	4-71		42	787	.04	34	52
23-05-0013	6651339	1441440	1-65	4	305	19,002	3.79	720	29	16,075	3.63	584	3-71		44	731	.04	33	49
23-05-0013	6950710	1425137	10-66	4	304	23,318	3.27	763	36	16,273	3.64	593	10-71		44	936	-.08	22	46
23-05-0013	7098847	1499153	5-67	3	304	21,393	3.43	733	40	15,973	3.65	583	9-71	H	29	795	-.04	23	43
23-05-0028	7166088	1441440	9-66	3	305	18,933	3.48	659	19	12,520	3.83	480	10-71	H	42	1,073	-.02	36	62
23-05-0062	6838670	1347940	3-67	3	305	19,383	3.80	736	9	15,623	3.58	560	10-71		42	917	.03	38	59
23-05-0082	6593334	1441440	4-66	4	304	16,990	3.92	666	19	14,515	3.89	565	6-71		44	656	.04	29	44
23-05-0082	6656719	1399824	2-66	4	296	19,233	3.65	702	14	14,110	3.68	519	5-71		44	935	.01	36	58
23-05-0082	7180193	1458744	6-68	2	305	21,270	3.46	735	19	14,380	3.68	529	12-71		40	1,149	-.03	36	64
23-05-0096	5966888	1189870	9-63	6	304	20,802	3.95	821	19	16,068	3.53	568	4-72		44	830	.08	42	60
23-05-0096	7083904	1320310	3-68	2	305	17,220	3.72	640	6	15,015	3.62	544	8-71		40	788	-.02	25	44
23-05-0096	7213042	1399824	10-68	2	293	18,895	3.91	738	12	15,775	3.76	593	12-71		40	655	.04	30	44
23-05-0108	5997325	1119686	5-63	6	303	20,657	3.81	787	13	15,993	3.60	575	11-71		44	599	.08	33	45
23-05-0108	6523770	1399824	1-66	4	305	21,790	3.02	659	13	15,003	3.68	552	8-71		44	1,152	-.09	27	57
23-05-0131	7139234	1441440	7-68	2	305	20,315	3.62	736	11	15,140	3.53	535	10-71		40	902	.03	37	58
23-05-0143	6397511	1337741	9-65	5	305	22,170	3.41	755	26	17,700	3.84	679	11-71		44	876	-.06	22	45
23-05-0143	6767818	1320310	10-66	3	301	22,637	3.43	776	16	19,370	3.86	748	2-71		42	972	-.10	20	46
23-05-0143	6937823	1320310	7-67	3	305	23,933	3.20	766	27	17,553	3.82	670	9-71		42	1,309	-.13	27	62
23-05-0143	7048553	1320310	10-67	3	305	22,880	3.45	790	20	18,530	3.72	689	1-72		42	1,087	-.07	28	56
23-05-0143	7048796	1320310	10-67	3	304	23,727	3.54	841	23	18,190	3.78	688	11-71		42	1,219	-.06	34	65
23-05-0143	7319571	1347940	2-69	1	305	22,360	3.54	791	22	17,590	3.74	657	7-71		36	897	-.02	30	52
23-05-0143	7462876	1347940	7-69	1	305	21,010	3.47	730	22	17,590	3.74	657	7-71		36	797	-.02	25	45
23-05-0146	6668639	1441440	1-66	2	305	19,660	3.55	697	9	17,025	3.38	576	4-72		40	663	.04	30	45
23-05-0146	7919397	1427381	10-69	1	305	18,930	3.19	604	16	15,770	3.37	531	9-71		36	1,013	.02	39	63
23-05-0151	7485386	1441440	11-68	1	305	22,930	2.80	643	46	13,810	3.57	493	1-72		36	1,068	-.06	29	56
23-05-0151	7485389	1441440	1-69	2	305	19,280	2.98	574	23	13,960	3.60	502	4-72		40	905	-.06	24	47
23-05-0151	7524916	1441440	4-69	1	305	15,070	4.66	702	50	13,550	3.57	484	10-71		36	500	.11	34	43
23-05-0165	7180195	1458744	9-67	1	305	19,540	3.80	742	17	13,870	3.48	483	10-70		36	897	.02	35	56
23-05-0186	6293202	1330987	2-65	4	300	16,590	3.98	660	12	14,523	3.61	525	7-71		44	539	.08	32	43
23-05-0241	6694685	1347940	12-66	4	287	19,387	3.59	696	15	17,475	3.55	621	1-72		44	734	.00	27	44
23-05-0244	5848798	1189870	7-63	4	305	23,525	4.18	983	49	17,978	3.59	645	11-71		44	929	.12	52	71
23-05-0244	5961171	1399283	3-63	5	299	22,330	3.77	842	36	17,210	3.54	609	4-72		44	931	.02	36	58
23-05-0244	6062169	1399283	3-64	3	305	34,736	2.97	1031	47	18,173	3.55	645	12-71		42	2,191	-.17	50	107
23-05-0244	6062170	1399283	3-64	5	305	23,726	3.42	812	42	17,138	3.54	606	8-71		44	1,120	-.05	32	60
23-05-0244	6062175	1417652	2-64	3	305	28,646	3.22	922	51	18,453	3.48	642	3-71		33	1,390	-.08	37	72
23-05-0244	6184066	1417652	10-64	4	305	22,570	3.91	883	52	18,430	3.52	648	1-72		35	628	.08	34	47
23-05-0244	6184074	1399283	8-64	4	305	23,640	3.01	711	40	16,942	3.57	605	11-70		44	1,096	-.14	18	48
23-05-0244	6358908	1399283	1-65	4	305	23,332	3.54	826	40	18,160	3.44	625	5-71		44	923	-.02	30	53

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C O	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
23-05-0244	6418162	1399283	8-65	4	305	24,955	3.27	816	40	18,070	3.44	621	7-71		44	1,133	-.07	30	$ 59
23-05-0244	6755708	1399283	9-66	3	305	22,833	3.42	781	45	18,503	3.38	626	3-71		42	788	-.04	23	43
23-05-0244	6857849	1399283	11-66	3	305	23,333	3.09	722	47	17,480	3.44	602	9-71		42	952	-.10	19	44
23-05-0244	6979475	1399283	8-67	3	301	23,313	3.32	774	48	17,726	3.54	628	11-71		42	924	-.07	22	46
23-05-0244	6979479	1399283	11-67	1	305	25,500	3.55	905	42	17,970	3.67	660	2-72		36	855	-.04	24	46
23-05-0244	7182759	1399283	5-68	2	305	23,910	3.55	849	60	18,100	3.58	648	11-71		40	879	-.03	27	49
23-05-0244	7627229	1426616	12-69	1	305	21,860	3.66	800	49	18,420	3.62	666	2-72		33	706	.00	25	42
23-05-0250	6558232	1399824	2-66	4	297	18,453	3.52	649	15	14,455	3.79	548	10-71		44	801	-.01	27	46
23-05-0250	6558234	1399824	2-66	4	298	17,038	3.84	654	16	13,923	3.68	512	7-71		44	685	.04	31	46
23-05-0250	7150880	1427381	8-68	2	305	18,935	3.63	688	13	14,555	3.63	529	3-72		40	1,167	.04	48	75
23-05-0250	7575014	1427381	10-69	1	305	20,860	3.55	740	21	14,750	3.76	554	12-71		36	1,225	.02	48	76
23-05-0258	6732325	1347940	9-66	3	305	16,480	3.62	597	6	13,380	3.77	505	3-72		42	816	-.02	27	47
23-05-0269	6915448	1347940	6-67	3	255	19,516	3.67	717	7	14,970	3.61	540	11-71		42	1,000	.01	37	61
23-05-0269	6915449	1347940	7-67	2	305	16,680	3.54	591	9	13,930	3.58	498	4-71		40	762	.00	27	45
23-06-0006	6782067	1347940	10-66	2	305	19,120	3.54	676	11	14,805	3.67	544	8-70		40	929	-.02	31	54
23-06-0006	6782069	1347940	2-67	2	305	20,455	4.09	837	12	16,230	3.94	639	1-71		40	935	.03	39	6[illegible]
23-06-0006	7013073	1347940	12-67	2	305	19,075	3.72	709	12	14,620	3.83	560	9-71		40	942	-.01	33	56
23-06-0006	7013074	1347940	1-68	2	301	17,290	3.61	624	11	14,595	3.76	549	9-71		40	763	-.02	25	44
23-06-0006	7254468	1347940	3-68	2	288	17,500	3.70	647	11	14,595	3.76	549	9-71		40	784	.00	28	47
23-06-0006	7254469	1347940	12-68	1	305	18,430	3.56	657	11	14,970	3.79	568	8-71		36	780	-.01	26	45
23-06-0007	7195169	1347940	8-68	1	305	16,690	3.43	573	5	12,910	3.79	489	1-71		36	789	-.02	25	44
23-06-0020	7295290	1347940	5-67	3	305	18,706	3.11	582	7	13,716	3.80	521	1-72		42	1,037	-.09	24	51
23-06-0021	5973939	1411026	10-63	7	304	21,972	3.17	697	6	14,634	3.80	556	1-72		44	872	-.07	21	44
23-06-0021	6379836	1347940	9-65	4	305	18,317	3.79	694	7	15,230	3.62	551	2-71		44	851	.02	34	54
23-06-0022	6811268	1347940	5-66	3	294	18,120	3.42	620	8	14,550	3.62	526	8-71		42	883	-.03	28	5[illegible]
23-06-0022	7190879	1471956	11-67	3	301	19,143	3.39	648	11	14,223	3.63	517	11-71		41	954	-.04	28	52
23-06-0022	7616598	1347940	12-68	2	305	18,415	3.51	646	6	14,770	3.81	563	3-72		40	861	-.03	26	47
23-06-0036	5260497	1189870	12-60	7	305	17,849	4.09	730	17	14,534	3.62	526	2-71		44	627	.08	35	48
23-06-0037	6447624	1347940	10-65	3	305	23,003	3.67	844	21	16,710	3.82	638	11-70		42	1,221	-.01	42	71
23-06-0037	6447625	1347940	11-65	4	304	21,502	4.15	892	20	17,015	3.72	633	6-71		44	1,046	.08	50	73
23-06-0037	6678547	1347940	11-66	2	305	21,450	4.24	910	23	17,115	3.83	656	2-71		40	955	.07	45	66
23-06-0037	6678548	1471953	10-66	4	305	25,330	3.03	767	20	16,663	3.86	644	4-72		33	1,440	-.20	21	61
23-06-0037	6937706	1347940	10-67	3	305	21,333	3.67	783	20	16,393	3.77	618	4-72		42	1,062	-.01	37	63
23-06-0037	7049268	1347940	2-68	2	305	18,825	3.81	717	19	16,675	3.83	638	3-71		40	729	.00	27	44
23-06-0037	7436781	1347940	9-69	1	305	19,680	3.90	767	20	15,520	3.88	602	11-71		36	837	.01	32	52
23-06-0040	6525621	1347940	3-66	4	305	19,435	3.40	661	26	15,967	3.73	596	4-72		44	908	-.05	25	48
23-06-0040	6927077	1441440	4-67	1	305	19,750	3.86	763	42	15,870	3.80	603	9-71		36	693	.03	30	46
23-06-0040	7246271	1427615	2-69	1	305	22,380	3.21	718	29	14,200	3.77	535	7-71		36	1,097	-.14	18	48
23-06-0040	7246273	1441440	12-68	2	305	19,375	3.96	767	25	16,900	3.73	630	1-72		40	646	.06	32	46
23-06-0040	7453457	1441440	5-69	1	305	20,680	3.99	826	43	16,590	3.81	632	10-71		36	714	.05	33	49
23-06-0040	7453458	1427615	6-69	1	305	22,110	4.07	899	40	16,520	3.84	634	10-71		36	921	-.06	24	48
23-06-0047	6524787	1347940	12-65	5	302	17,704	3.61	639	5	14,886	3.93	585	3-72		44	823	-.04	24	45
23-06-0047	7178263	1379208	8-68	2	305	18,845	4.04	762	8	15,570	3.82	595	9-71		40	632	.05	30	44
23-06-0059	6776789	1347940	6-66	3	305	20,416	4.19	856	24	15,403	3.82	588	1-71		42	1,059	.06	48	71
23-06-0059	7056327	1347940	9-67	2	305	17,000	4.10	697	22	14,690	3.79	557	5-71		40	725	.04	32	48
23-06-0059	7227758	1499686	12-68	1	305	22,090	3.63	802	30	15,520	3.83	595	1-71		22	721	-.01	25	42
23-06-0059	7233058	1347940	6-68	2	305	17,870	4.00	714	29	15,355	3.61	555	11-71		40	752	.05	34	51
23-06-0059	7519235	1347940	9-69	1	305	19,140	3.79	725	31	15,500	3.60	558	1-72		36	798	.02	32	50
23-06-0066	6554123	1347940	8-65	5	305	15,044	4.47	673	18	12,074	3.92	473	10-71		44	806	.09	42	59
23-06-0069	6863364	1347940	5-67	3	305	17,026	4.04	687	10	15,446	3.77	583	4-72		42	665	.04	30	45
23-06-0069	6901076	1347940	7-66	4	305	17,897	3.78	677	11	15,500	3.82	592	1-72		44	769	.00	28	46
23-06-0069	7599223	1347940	3-69	1	305	18,450	3.39	625	20	15,130	3.81	577	9-71		36	771	-.03	23	42
23-06-0074	6537384	1347940	2-66	4	302	20,922	3.81	797	12	16,752	3.67	614	4-71		44	1,004	.02	40	63
23-06-0074	6606971	1347940	7-66	4	296	24,460	3.41	835	23	16,760	3.59	602	1-72		44	1,440	-.04	46	81
23-06-0074	7115610	1347940	5-68	1	305	20,950	3.76	787	18	17,490	3.95	690	2-71		36	799	-.01	27	46
23-06-0074	7115612	1347940	6-68	2	300	20,705	3.55	735	16	16,410	3.63	596	7-71		40	944	-.01	32	55
23-06-0074	7246822	1347940	11-68	2	299	19,775	3.81	753	20	17,235	3.71	640	2-72		40	774	.01	30	48
23-06-0074	7281377	1347940	10-68	2	305	21,685	3.23	700	23	17,195	3.67	631	12-71		40	971	-.07	25	50
23-06-0080	6343987	1320310	8-65	4	305	16,245	3.95	641	32	13,805	3.85	532	9-71		44	820	-.02	27	47
23-06-0080	6402370	1320310	11-65	4	305	17,523	3.45	605	28	13,743	3.84	528	7-71		44	985	-.07	24	50
23-06-0080	6529102	1347940	2-66	3	305	19,330	3.53	683	41	13,513	3.79	512	7-71		42	1,130	-.03	36	64
23-06-0080	6860333	1347940	8-67	1	305	17,990	3.67	661	43	14,740	3.90	575	1-71		36	763	-.01	26	44
23-06-0080	6899819	1347940	11-67	1	305	16,710	3.91	654	40	13,990	3.94	551	11-70		36	718	.01	27	44
23-06-0080	6916748	1347940	11-67	2	291	16,495	3.67	606	26	14,000	3.89	544	3-72		40	737	-.02	24	42
23-06-0080	6916749	1347940	11-67	1	305	18,190	3.45	628	40	13,990	3.94	551	11-70		36	828	-.03	25	46
23-06-0080	6957065	1347940	1-68	1	305	17,610	3.63	639	40	13,990	3.94	551	11-70		36	785	-.02	26	45
23-06-0080	6980154	1347940	1-68	2	299	15,650	4.42	692	27	13,840	3.88	537	3-72		40	665	.06	33	47
23-06-0080	7007604	1347940	2-68	1	305	17,650	3.61	638	40	13,990	3.94	551	11-70		36	788	-.02	26	45
23-06-0080	7007605	1347940	3-68	2	305	17,255	3.89	672	43	13,995	3.92	549	10-71		40	814	.00	30	49
23-06-0080	7340552	1347940	2-69	1	305	17,080	3.96	677	38	13,720	3.98	546	9-71		36	764	.01	29	47
23-06-0093	6568970	1441440	4-66	4	305	20,320	3.90	792	24	17,167	3.71	637	3-72		44	772	.05	36	53
23-06-0093	7164174	1320310	7-68	2	305	19,120	3.78	723	19	16,100	3.67	591	10-71		40	882	-.02	29	51
23-06-0093	7164175	1320310	9-68	2	305	20,150	3.57	720	19	18,035	3.70	667	11-71		40	809	-.05	22	43
23-06-0093	7296008	1320310	1-69	1	305	20,460	3.90	798	37	17,000	3.78	643	6-71		36	870	-.02	28	49
23-06-0109	6435212	1347940	8-65	5	297	18,762	3.67	689	15	13,926	3.66	509	3-72		44	1,071	.00	39	64
23-06-0118	6819125	1406271	11-66	4	295	24,010	3.32	796	28	17,028	3.71	632	2-72		44	1,257	-.04	39	7[illegible]
23-06-0118	6869054	1347940	3-67	1	305	18,930	3.63	688	58	15,200	3.68	559	9-71		36	802	.00	29	48
23-06-0118	6900833	1458744	6-67	3	305	17,416	4.06	707	40	15,486	3.75	581	11-71		42	669	.04	30	45
23-06-0118	7059478	1406271	12-67	2	305	20,470	3.38	691	29	15,805	3.78	597	3-71		40	872	-.01	30	51
23-06-0118	7250289	1399824	1-69	1	305	20,310	3.72	756	59	15,110	3.73	563	8-71		36	738	.03	31	48
23-06-0121	7009916	1347940	11-67	3	295	18,420	4.00	736	13	16,656	3.78	630	12-71		42	700	.03	30	46
23-06-0126	6762786	1237057	12-66	3	305	17,937	3.77	676	52	13,263	3.84	509	9-71		42	794	-.04	23	43
23-06-0131	6717154	1347940	7-66	3	305	23,336	3.45	805	20	16,623	3.66	608	2-71		42	1,268	-.03	41	72
23-06-0131	7477113	1309574	2-68	2	305	21,545	3.53	760	13	17,160	3.54	608	6-71		40	690	.04	31	46
23-06-0131	7642980	1309574	10-68	1	305	24,060	3.40	819	18	17,940	3.70	664	2-71		36	713	.02	28	45

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C D	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
23-06-0135	5480440	1189870	8-61	7	305	19,941	3.86	769	16	15,497	3.61	560	3-72		44	785	.05	36	$ 53
23-06-0135	5993607	1189870	6-63	5	299	21,096	3.73	787	20	16,076	3.51	564	10-71		44	867	.04	38	57
23-06-0143	6632646	1347940	7-66	4	305	17,410	3.19	555	18	13,420	3.68	494	9-71		44	941	-.06	24	48
23-06-0143	7080932	1504265	6-68	2	305	19,110	4.07	778	23	13,700	3.70	507	1-72		25	676	.07	35	49
23-06-C147	6660292	1347940	10-66	3	287	15,193	3.51	534	11	13,023	3.51	457	5-71		42	705	.00	25	42
23-06-0147	7148547	1347940	8-68	1	305	16,860	3.51	592	13	12,660	3.59	454	11-70		36	818	.00	29	49
23-06-0151	7039821	1320310	11-66	4	305	19,170	3.46	663	18	13,910	3.95	549	1-72		44	1,170	-.09	28	58
23-06-0153	7004781	1347940	9-66	4	293	18,917	3.57	676	17	15,700	3.76	591	8-71		44	873	-.02	28	49
23-06-0153	7004786	1347940	10-67	2	305	21,170	3.88	822	9	17,480	3.65	638	2-71		40	893	.03	37	57
23-06-0155	6985217	1347940	10-67	3	297	17,910	3.76	674	15	15,463	3.93	608	3-72		42	764	-.02	25	44
23-06-0180	5184634	1189870	9-60	7	305	18,473	3.83	707	15	13,410	3.77	506	3-72		44	838	.02	34	53
23-06-0180	5859551	1399824	5-63	7	300	18,327	3.94	722	20	13,954	3.88	541	4-72		44	861	.04	37	56
23-06-0180	6936127	1347940	4-67	3	299	17,330	3.62	628	16	13,376	3.77	504	7-71		42	914	-.01	31	53
23-06-C180	6936132	1320310	7-67	3	305	18,317	3.36	616	16	14,520	3.93	570	3-72		42	977	-.10	20	46
23-06-0180	7203871	1347940	7-68	2	305	17,575	3.69	649	16	13,850	3.83	530	3-72		40	860	-.01	30	51
23-06-C180	7536823	1347940	12-69	1	305	18,710	3.58	669	15	15,090	3.80	574	12-71		36	793	-.02	26	45
23-06-0184	7008031	1309574	8-67	2	305	17,780	4.05	720	23	14,715	3.83	564	8-71		40	531	.08	31	42
23-06-0184	7245788	1320310	1-69	1	291	18,600	3.65	678	23	15,680	3.70	580	5-71		36	820	-.04	24	45
23-06-0187	6613030	1441440	1-66	4	305	18,095	3.50	634	17	15,060	3.57	538	12-71		44	732	.01	28	45
23-06-0187	7600686	1522595	7-68	2	304	20,670	3.21	664	18	14,380	3.72	535	8-71		30	1,120	-.08	28	57
23-06-0189	6795641	1347940	10-66	4	293	18,480	3.66	677	17	16,490	3.80	626	9-71		44	731	-.02	24	42
23-06-0189	7513810	1347940	12-69	1	305	20,470	3.59	735	19	15,410	3.78	582	11-71		36	903	-.01	31	53
23-06-C193	6454281	1347940	9-65	5	296	16,398	3.85	631	17	14,574	3.82	557	2-72		44	691	.01	26	42
23-06-0193	6496942	1347940	2-66	4	300	19,462	3.77	734	10	15,547	3.69	573	4-71		44	958	.02	37	59
23-06-C193	6718788	1347940	10-66	3	303	18,223	3.54	646	17	13,650	3.71	506	9-71		42	988	-.02	33	57
23-06-0195	7315521	1347940	1-69	2	305	16,005	3.74	599	5	13,230	3.75	496	4-72		40	757	.00	28	46
23-06-0227	6357873	1329588	8-65	4	305	19,853	3.38	672	24	14,165	3.72	527	1-72		44	895	-.06	23	46
23-06-C227	7012731	1347940	7-67	3	305	15,880	4.06	644	28	12,960	3.87	501	9-71		42	790	.03	33	51
23-06-0227	7472514	1320310	1-69	1	305	16,460	3.52	580	31	13,110	3.79	497	7-71		36	833	-.05	22	43
23-06-C239	6495721	1347940	10-65	5	305	19,930	3.31	660	19	16,260	3.63	590	2-72		44	951	-.05	26	5C
23-06-C239	6583818	1347940	6-66	4	297	17,297	3.32	575	29	14,230	3.64	518	8-71		44	837	-.05	23	44
23-06-0239	6858838	1347940	2-67	3	301	17,860	3.62	647	16	15,596	3.64	567	4-71		42	745	.00	27	45
23-06-0239	6858839	1347940	3-67	2	305	17,530	3.42	600	36	13,135	3.74	491	8-70		40	921	-.03	28	51
23-06-C239	7488761	1320310	7-69	1	304	19,800	3.16	625	44	16,260	3.54	576	11-71		36	871	-.07	20	43
23-06-0246	6159359	1347940	9-64	5	305	23,376	4.18	977	17	16,422	3.78	621	5-71		44	1,377	.09	64	94
23-06-0246	6222902	1347940	11-64	5	304	19,790	3.54	700	21	17,254	3.75	647	2-72		44	817	-.03	25	45
23-06-0246	6243330	1347940	8-64	6	299	20,500	3.84	787	19	16,851	3.82	643	10-71		44	956	.02	37	59
23-06-0246	6253857	1347940	10-64	5	305	19,784	3.83	757	16	16,522	3.90	644	11-71		44	902	.00	33	54
23-06-0246	6309610	1347940	3-65	5	305	22,368	3.67	820	21	16,916	3.80	642	11-71		44	1,189	-.01	41	7C
23-06-0246	6436695	1347940	12-65	4	305	19,120	3.83	732	18	16,810	3.75	630	5-71		44	775	.01	30	46
23-06-0246	6853513	1347940	6-66	3	305	19,770	3.85	762	18	18,266	3.78	690	1-72		42	688	.01	27	43
23-06-0246	6853520	1347940	7-67	3	305	20,390	4.02	820	17	18,246	3.78	689	2-72		42	762	.04	34	51
23-06-0246	6853522	1347940	7-67	3	303	22,626	3.16	715	19	17,926	3.80	682	11-71		42	1,052	-.10	23	51
23-06-0246	6948340	1347940	10-67	2	305	21,015	3.32	697	23	16,375	3.87	633	8-71		40	978	-.07	25	5C
23-06-C246	7095432	1504414	5-68	2	298	22,295	3.69	822	32	18,580	3.74	694	2-72		38	656	.05	31	45
23-C6-0246	7194555	1347940	10-68	2	305	23,465	3.64	853	16	19,030	3.74	711	1-72		40	984	-.01	34	58
23-06-C246	7194560	1347940	10-68	2	305	23,650	3.67	869	14	17,925	3.72	667	3-72		40	1,104	-.01	39	65
23-06-0246	7194564	1427381	11-68	1	305	23,950	4.03	965	27	18,860	3.64	686	2-71		36	1,180	.09	56	82
23-06-C246	7355322	1347940	5-69	1	305	19,420	3.81	740	25	16,080	3.88	624	8-71		36	780	.00	28	47
23-06-C246	7355323	1347940	6-69	1	305	21,210	3.21	680	27	16,350	3.77	617	7-71		36	895	-.05	24	47
23-06-0246	7369543	1347940	5-69	1	305	20,010	3.75	750	27	16,350	3.77	617	7-71		36	806	.00	29	48
23-06-C246	7440445	1347940	9-69	1	305	21,260	3.52	748	25	16,080	3.88	624	8-71		36	917	-.03	29	52
23-06-0246	7440450	1504414	9-69	1	305	22,470	3.73	838	37	16,850	3.76	634	7-71		34	691	.05	33	48
23-06-C246	7440451	1427381	10-69	1	305	20,410	3.65	744	35	18,010	3.80	684	12-71		36	973	.03	39	61
23-06-0246	7440452	1427381	11-69	1	305	26,250	3.97	1041	35	18,010	3.80	684	12-71		36	1,408	.07	62	94
23-06-C247	6589455	1347940	6-66	4	292	19,042	3.41	649	17	15,392	3.71	571	4-71		44	923	-.04	27	50
23-06-C247	6589457	1347940	6-66	3	305	19,353	3.87	748	17	15,833	3.61	571	3-71		42	892	.04	38	58
23-06-0247	7059607	1347940	12-67	2	303	18,035	3.41	615	20	14,955	3.69	552	3-71		40	806	-.03	24	44
23-06-0248	6323297	1347940	4-65	4	300	18,780	3.62	679	34	15,170	3.69	560	2-71		44	915	-.01	32	54
23-06-0248	6729664	1347940	5-66	4	305	16,777	4.04	677	25	14,402	3.83	551	1-72		44	753	.03	32	49
23-06-0248	6905599	1347940	5-67	3	302	17,223	3.55	612	28	14,456	3.87	559	12-71		42	790	-.04	23	43
23-06-0248	6936074	1347940	8-67	3	293	18,053	3.67	663	31	14,933	3.79	566	2-72		42	836	-.01	29	49
23-06-0248	7094849	1347940	3-68	2	300	17,510	3.58	626	20	14,445	3.83	553	6-71		40	799	-.03	25	45
23-06-C248	7220923	1347940	8-68	2	305	19,250	4.05	780	29	14,505	3.88	563	2-72		40	970	.03	40	62
23-06-0248	7291744	1347940	2-69	2	290	17,450	3.75	655	31	14,855	3.87	575	2-72		40	755	-.01	26	44
23-06-C251	6563122	1320310	1-66	3	299	16,517	3.89	642	11	13,273	3.81	506	6-71		42	899	-.02	30	52
23-06-0260	7294476	1427381	3-68	2	302	17,130	3.52	603	17	14,945	3.72	556	9-71		40	949	.02	37	59
23-06-0260	7294477	1427381	3-68	2	305	18,730	3.69	692	18	14,715	3.69	543	8-71		40	1,132	.04	47	73
23-06-0266	7157465	1347940	9-68	1	305	21,720	3.43	745	13	16,800	3.55	597	4-71		36	903	-.02	30	52
23-06-0271	6391101	1347940	7-65	4	305	20,665	3.69	763	23	14,325	3.64	522	3-72		44	1,242	.01	46	75
23-06-0271	6707801	1303198	10-66	2	305	23,160	3.35	775	21	15,470	3.67	567	3-72		40	953	-.04	28	52
23-06-C271	6719123	1347940	1-67	3	305	20,386	3.27	667	24	14,976	3.56	533	1-72		42	1,100	-.C5	32	6C
23-06-0271	6953609	1347940	12-67	1	305	22,950	3.58	821	30	14,940	3.58	535	12-71		36	1,119	.00	40	67
23-06-0271	7126607	1347940	9-68	1	305	17,610	3.65	642	26	15,000	3.64	546	9-71		36	717	.00	26	43
23-06-0271	7335768	1504414	6-68	2	292	16,760	3.90	654	19	13,490	3.58	483	7-71		38	556	.09	33	44
23-06-0276	5109658	1157986	1-60	8	305	20,029	4.03	808	13	15,236	3.83	583	3-72		44	638	.05	30	44
23-06-0276	6617091	1347940	8-66	3	305	19,520	4.00	780	18	16,163	3.92	634	9-71		42	877	.02	35	55
23-06-0276	6889281	1347940	9-66	3	305	19,180	4.10	786	17	15,603	3.89	607	6-71		42	896	.04	38	58
23-06-0276	7177493	1347940	4-68	2	302	19,220	4.02	773	19	15,740	3.92	617	9-71		40	854	.02	34	54
23-06-C280	7589548	1387978	4-69	1	305	21,790	3.63	791	26	15,080	3.47	524	6-71		36	934	.00	34	56
23-06-0281	6885593	1337741	9-67	3	305	20,447	4.29	877	16	15,793	3.79	599	11-71		42	818	.10	44	61
23-06-0281	7287732	1441440	11-68	2	297	18,780	4.04	758	12	16,880	3.74	632	4-72		40	587	.07	31	43
23-06-C283	6599941	1347940	2-66	2	305	17,765	4.33	769	8	14,070	3.69	519	2-72		40	859	.08	43	61
23-06-0283	7178134	1347940	2-68	2	305	17,135	3.99	684	10	13,880	3.65	507	9-71		40	812	.04	35	53
23-06-0307	6718784	1347940	12-66	3	291	19,063	3.79	723	15	14,703	3.86	567	1-72		42	976	.00	35	58

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C D	REPT (%)	.......C D W MILK (LB)	I N D E X....... FAT (%)	FAT (LB)	DOL-LARS
23-06-0307	6915073	1347940	10-67	2	298	16,650	3.92	652	16	14,260	3.82	545	5-71		40	729	.01	28	$ 45
23-06-0307	7060811	1347940	9-66	3	305	17,166	3.51	603	17	14,533	3.63	528	8-71		42	775	-.01	26	45
23-06-0307	7132031	1347940	4-68	2	292	17,350	3.68	639	15	14,450	3.87	559	2-72		40	782	-.01	26	45
23-06-0307	7366622	1427381	8-69	1	305	16,520	3.99	659	24	14,420	3.68	530	10-71		36	924	.07	44	64
23-06-0309	5131112	1323268	2-60	8	305	19,906	3.64	724	17	14,880	3.89	579	5-71		36	933	-.04	28	51
23-06-0309	7035674	1347940	3-68	2	299	18,535	3.90	722	42	15,035	3.78	568	10-71		40	849	.02	33	53
23-06-0309	7090269	1522595	10-67	3	305	21,146	3.73	788	38	14,440	3.74	540	11-71		33	1,258	.00	46	76
23-06-0309	7348156	1522595	9-67	2	305	20,320	3.93	798	28	14,800	3.74	554	3-71		30	1,035	.03	42	66
23-06-0309	7348157	1522595	10-68	1	173	17,380	3.96	689	44	14,410	3.75	540	9-70	B	25	675	.02	28	43
23-06-0309	7348158	1522595	10-68	2	305	20,380	3.62	737	23	15,640	3.67	574	3-72		30	953	-.01	33	56
23-06-0309	7401065	1522595	10-67	3	305	19,803	3.99	791	32	14,760	3.71	548	3-72		33	1,041	.05	45	68
23-06-0309	7583252	1522595	9-68	2	305	17,905	3.71	664	37	14,455	3.77	545	9-71		30	787	-.01	27	46
23-06-0309	7583253	1522595	9-68	2	305	21,090	3.75	791	29	15,330	3.72	570	2-72		30	1,069	.00	39	64
23-06-0309	7868107	1347940	8-69	1	305	17,790	3.84	683	30	14,280	3.79	541	8-71		36	779	.01	30	48
23-06-0314	6773700	1458744	1-67	3	305	16,846	3.57	602	21	13,973	3.73	521	8-71		42	760	-.02	24	43
23-06-0314	7462312	1427381	8-69	1	300	16,000	3.84	614	33	14,140	3.74	529	9-71		36	904	.05	40	60
23-06-0323	7025658	1330987	4-68	2	298	18,715	4.00	749	13	14,635	3.92	574	5-71		40	715	.05	34	50
23-06-0324	6442436	1347940	6-65	5	294	16,266	3.75	610	17	13,958	3.80	531	12-71		44	745	.00	27	45
23-06-0324	7085472	1347940	3-67	2	305	16,685	4.42	738	17	14,540	3.91	568	2-71		40	706	.06	35	50
23-06-0324	7085474	1347940	3-68	2	305	16,955	3.26	553	19	13,490	3.90	526	9-71		40	830	-.07	20	42
23-06-0324	7261427	1347940	9-68	1	305	17,790	3.82	680	13	14,460	3.82	553	4-71		36	767	.01	29	47
23-06-0324	7261428	1347940	2-69	1	305	17,380	3.68	640	16	14,360	3.86	554	3-71		36	743	-.01	25	43
23-06-0338	6096452	1370904	3-62	2	305	22,725	3.80	864	12	13,830	3.91	541	1-71		39	753	.01	28	46
23-06-0338	6239929	010276748	6-64	2	305	20,080	4.02	808	11	14,030	3.82	536	2-71		25	761	.05	35	52
23-06-0338	7060332	1337741	8-67	1	305	19,840	3.57	709	28	13,080	3.87	506	8-71		35	787	-.01	27	46
23-06-0341	7428119	1320310	6-69	1	298	20,510	3.61	740	21	17,250	3.68	635	7-71		36	857	-.05	24	46
23-06-0346	7376986	1427615	8-69	1	305	22,800	3.03	691	7	16,440	3.31	544	10-71		36	978	-.13	15	42
23-06-0349	6913258	1347940	9-67	2	305	16,985	3.64	619	17	14,680	3.73	548	2-72		40	724	-.01	25	42
23-06-0349	7456465	1427381	10-69	1	305	18,900	3.80	719	20	14,190	3.85	547	12-71		36	1,117	.04	47	72
23-06-0349	7456465	1427381	10-69	1	297	15,460	3.92	606	18	13,860	3.86	535	1-72		36	883	.05	39	59
23-06-0350	6954524	1347940	8-67	3	297	18,506	3.37	624	7	15,350	3.59	551	3-72		42	845	-.03	26	47
23-06-0351	6741560	1470757	11-66	4	305	22,507	3.41	768	7	16,985	3.44	584	3-72		43	900	-.07	22	45
23-06-0351	6771965	1340669	12-66	4	302	24,317	3.05	742	8	17,002	3.64	619	1-72		44	1,154	-.17	15	47
23-06-0351	6884651	1425137	7-67	3	305	21,527	3.22	693	6	14,117	3.82	539	8-71		42	892	-.09	18	42
23-06-0353	7416060	1458744	3-69	1	305	21,190	3.21	680	15	16,480	3.27	539	12-71		36	845	-.02	27	48
23-06-0354	6980723	1347940	12-66	3	305	16,603	3.82	634	24	13,866	3.60	499	7-71		42	780	.03	32	50
23-06-0354	7086897	1347940	1-68	1	48	17,350	3.60	624	26	14,000	3.61	506	8-70	B	36	765	.00	28	46
23-06-0354	7104646	1283917	9-66	3	301	20,410	3.50	714	21	14,366	3.63	521	10-71		42	904	-.08	21	45
23-06-0365	6886580	1458744	7-67	1	305	16,790	3.48	585	23	12,720	3.69	470	6-71		36	770	-.02	25	44
23-06-0371	5794617	1189870	11-62	7	301	18,129	4.13	749	10	15,064	3.66	552	10-71		44	601	.08	34	46
23-06-0372	6845018	1447750	3-67	2	305	18,485	3.58	661	25	12,420	3.62	449	12-71		38	863	-.01	30	51
23-06-0379	6535346	1347940	1-66	3	305	19,140	3.74	716	31	15,600	3.54	552	2-72		42	892	.03	36	57
23-06-0379	7022878	1471956	1-68	1	273	20,330	3.61	733	41	13,850	3.63	503	1-72		35	913	-.01	31	53
23-06-0380	6758523	1347940	9-66	1	305	19,900	3.44	684	7	14,850	3.52	522	2-72		36	898	-.01	31	53
23-06-0380	7536682	1347940	12-69	1	304	19,440	3.73	726	7	14,850	3.52	522	2-72		36	864	.02	34	54
23-06-0380	7536683	1347940	1-70	1	297	18,550	3.80	704	7	14,840	3.52	522	3-72		36	798	.02	32	50
23-06-7096	6928249	1347940	8-67	1	305	16,740	3.84	643	17	12,310	3.61	444	1-72		36	833	.02	33	52
23-06-7096	7287734	1441440	1-69	2	286	18,740	3.47	650	14	14,325	3.77	540	3-72		40	817	-.01	28	48
23-07-0017	6509610	1399824	1-66	4	305	18,545	4.29	795	14	15,038	3.78	569	7-71		44	747	.10	42	57
23-07-0024	7072269	1458744	2-68	3	298	18,556	3.49	647	16	15,146	3.77	571	3-72		42	836	-.04	24	45
23-07-0024	7408043	1320310	7-69	1	305	19,390	3.40	660	21	14,580	3.69	538	10-71		36	953	-.06	25	49
23-07-0024	7408044	1320310	7-69	1	305	18,850	3.40	641	26	14,620	3.66	535	9-71		36	910	-.06	24	47
23-07-0025	7392861	1450228	10-69	1	305	22,060	2.93	646	7	15,610	3.63	567	9-71		35	1,082	-.10	23	52
23-07-0049	6598971	1431052	9-64	5	300	21,398	3.48	734	14	15,620	3.74	584	2-72		32	888	-.05	25	47
23-07-0049	7189892	1399824	1-66	3	300	20,013	3.43	687	12	16,597	3.65	606	5-71		42	732	-.01	25	43
23-07-0050	7270513	1387978	1-69	2	301	23,615	3.29	777	16	18,520	3.58	663	11-71		40	963	-.06	26	50
23-07-0057	7377031	1320310	2-69	1	305	17,270	3.57	616	27	13,790	3.79	523	7-71		36	848	-.05	23	45
23-07-0061	6072141	1437473	4-64	5	305	17,838	4.22	752	22	14,150	3.75	530	12-70		36	602	.11	38	49
23-07-0074	7022818	1413165	3-68	2	305	22,365	3.36	752	8	15,820	3.88	614	12-71		40	1,010	-.14	15	43
23-07-0074	7042108	1427615	4-68	2	305	21,555	3.04	656	11	15,690	3.70	581	7-71		40	1,068	-.17	12	42
23-07-0082	6435641	1237057	1-65	5	303	19,284	3.56	686	18	14,804	3.81	564	11-71		44	843	-.06	21	43
23-07-0082	7281422	1427615	10-68	2	305	21,230	3.50	744	18	15,020	3.68	553	10-71		40	1,096	-.11	23	52
23-07-0084	6562129	1235822	7-65	5	293	23,096	3.18	734	9	16,290	3.72	606	4-71		44	1,025	-.08	25	52
23-07-0085	6969241	1427615	6-67	2	305	24,155	2.98	720	28	15,890	3.75	596	5-71		40	1,313	-.19	17	54
23-07-0085	7355530	1239242	8-68	2	305	24,365	3.06	745	29	16,405	3.65	599	1-72		40	988	-.10	21	47
23-07-0085	7355533	1427381	2-69	1	305	19,610	3.53	693	38	15,350	3.72	571	8-71		36	1,092	.02	43	68
23-07-0085	7564688	1427381	10-69	1	305	19,030	3.50	667	19	16,970	3.59	610	11-71		36	940	.03	39	60
23-07-0091	6508219	1464508	10-65	4	302	22,087	3.59	792	8	17,575	3.69	648	4-71		40	818	-.04	24	44
23-07-0091	6818471	1468937	9-66	4	298	22,215	3.47	771	14	16,382	3.66	599	7-71		39	1,224	-.05	37	67
23-07-0091	6995998	1261857	12-67	3	300	21,100	3.64	767	11	18,490	3.72	687	12-71		42	739	.05	34	50
23-07-0099	6222535	1189870	9-63	2	305	22,315	4.00	892	28	17,385	3.72	646	4-71		40	742	.05	35	51
23-07-0099	7240615	1347940	3-67	3	288	20,700	3.52	729	55	17,670	3.63	641	10-71		42	857	-.02	28	49
23-07-0107	6627588	1261857	9-66	4	299	17,613	3.79	668	24	14,818	3.64	539	8-71		44	733	.08	38	53
23-07-0107	7144875	1261857	7-68	2	295	16,545	4.01	663	27	15,045	3.58	539	6-71		40	564	.10	36	47
23-07-0108	6258547	1427615	7-64	5	304	19,108	3.36	642	23	13,886	3.81	529	6-71		44	1,095	-.14	18	48
23-07-0108	6674598	1476270	8-66	3	305	20,600	3.48	717	20	14,597	3.89	568	4-71		29	859	-.06	22	44
23-07-0113	7367564	1427615	7-69	1	305	20,520	3.53	724	9	14,470	3.61	522	4-71		36	940	-.10	19	44
23-07-0119	5766337	1259069	1-63	5	305	21,816	3.90	851	26	17,046	3.70	631	4-71		44	779	.02	31	49
23-07-0119	6390814	1179372	9-65	5	305	21,436	3.58	768	28	17,108	3.73	638	3-72		44	782	-.01	27	46
23-07-0121	5058381	1189870	8-59	8	299	20,053	3.62	726	20	16,144	3.75	606	10-71		44	724	-.01	25	42
23-07-0121	5490330	1189870	9-61	7	302	20,580	3.73	768	17	15,564	3.81	593	6-71		44	859	.01	32	52
23-07-0121	6528998	1357743	2-66	4	305	21,743	3.78	821	31	16,340	3.67	599	10-71		44	793	.00	29	48
23-07-0121	6893039	1237057	7-67	3	304	22,237	3.37	749	36	16,713	3.63	607	9-71		42	931	-.08	22	46
23-07-0121	7141274	1314767	4-68	2	295	19,875	4.23	840	26	16,065	3.67	590	6-71		40	538	.10	34	44
23-07-0121	7141285	1399824	9-68	2	305	20,240	3.97	804	16	17,185	3.60	618	3-72		40	663	.07	35	49

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C O	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
23-07-0121	7422476	1399824	9-69	1	305	24,040	3.12	751	26	18,390	3.35	616	12-71		36	796	-.01	27	$ 46
23-07-0124	5499965	1225853	2-60	9	305	23,293	4.41	1028	21	15,631	3.86	604	1-72		44	1,050	.18	65	85
23-07-0124	5703258	1420206	1-62	7	303	19,759	4.07	804	22	15,943	3.90	622	7-71		32	630	.06	31	45
23-07-0124	6042735	1189870	12-63	1	305	20,870	4.34	905	16	16,350	3.79	619	3-72		36	577	.07	31	43
23-07-0124	7097720	1492073	2-68	2	305	20,780	4.90	1019	14	16,615	3.89	646	4-71		40	521	.14	39	48
23-07-0124	7097721	1512840	2-68	2	305	18,620	4.29	798	26	15,130	3.87	586	7-71		29	588	.08	33	45
23-07-0124	7150822	1512840	9-68	2	305	19,060	3.84	732	18	14,930	3.77	563	10-71		29	664	.02	27	42
23-07-0124	7440067	1427381	6-69	1	305	18,610	3.49	650	27	15,670	3.87	607	7-71		36	996	.01	38	61
23-07-0126	6488973	1119686	1-66	5	299	21,066	3.69	777	19	16,102	3.66	590	12-71		44	639	.05	30	44
23-07-0126	7185755	1427615	11-68	2	305	22,380	2.95	661	15	16,395	3.54	580	2-72		40	1,087	-.18	12	43
23-07-0126	7196004	1427615	12-68	2	297	22,435	2.94	659	22	16,045	3.53	567	12-71		40	1,125	-.18	13	45
23-07-0129	6671979	1441440	10-66	4	305	18,585	3.86	717	15	15,440	3.80	587	11-71		44	750	.04	33	50
23-07-0133	6659471	1441440	9-66	2	305	18,210	4.09	745	11	14,395	3.95	569	9-71		40	756	.05	35	52
23-07-0133	6917754	1320310	6-67	2	305	17,305	3.94	681	11	13,645	3.89	531	1-72		40	922	-.02	30	53
23-07-0137	6422361	1441440	12-65	5	298	15,918	3.88	618	9	12,896	3.91	504	10-71		44	714	.03	30	46
23-07-0140	7565046	1427615	3-70	1	305	27,460	2.84	781	9	17,880	3.62	647	12-71		36	1,228	-.19	15	50
23-07-0148	5237647	1344950	1-61	8	305	17,570	4.05	712	18	14,859	3.78	562	8-71		39	616	.04	28	42
23-07-0148	5951987	1199324	10-63	6	303	18,447	4.15	765	20	14,910	3.82	569	11-71		44	893	.05	40	60
23-07-0148	7226491	1427615	7-68	2	305	21,855	3.55	775	16	16,895	3.89	658	2-72		40	988	-.12	17	44
23-07-0148	7226492	1427615	9-68	2	305	21,080	3.84	810	11	17,080	3.94	673	3-72		40	893	-.09	19	43
23-07-0154	6653127	1309574	10-66	4	305	22,453	3.63	814	21	19,025	3.68	701	1-72		44	685	.04	30	45
23-07-0154	6771384	1261857	1-67	3	300	17,823	4.61	822	12	15,327	3.82	585	4-71		42	689	.17	50	62
23-07-0154	7442923	1309574	9-69	1	305	22,560	3.59	810	17	17,320	3.66	634	10-71		36	643	.04	29	43
23-07-0154	7480340	1393031	12-69	1	305	25,460	3.33	847	20	17,090	3.69	630	2-72		36	946	-.12	16	42
23-07-0157	7035941	1347940	3-68	2	305	18,750	3.77	706	25	13,500	3.75	506	9-71		40	1,011	.01	38	62
23-07-0165	7461379	1427615	8-69	1	305	22,810	3.33	760	26	15,310	3.51	537	7-71		36	1,054	-.11	21	49
23-07-0167	6847496	1222994	11-66	3	304	18,140	3.38	613	30	13,640	3.55	484	1-71		42	773	-.02	25	44
23-07-0167	7214360	1387978	12-68	2	305	22,200	3.37	749	35	12,580	3.61	454	9-71		40	1,362	-.04	43	77
23-07-0179	6347426	1347940	5-65	4	303	16,742	3.52	590	12	14,122	3.60	509	3-71		44	780	-.01	26	45
23-07-0183	4839957	1189870	2-59	8	295	18,888	3.84	725	15	15,693	3.52	553	12-71		44	626	.06	31	44
23-07-0183	6889734	1427615	6-67	2	303	22,665	2.71	614	25	16,225	3.42	555	8-71		40	1,131	-.20	10	42
23-07-0183	7403749	1320310	3-69	1	305	25,650	2.77	710	23	16,630	3.31	551	5-71		36	1,282	-.12	28	62
23-07-0187	7422046	1441440	10-69	1	305	20,020	3.91	782	14	16,070	3.71	597	10-71		36	700	.04	32	47
23-07-0200	7425300	1458744	10-69	1	305	16,910	3.56	602	22	13,840	3.46	479	12-71		36	703	.00	25	42
23-07-0203	6415610	1347940	11-65	5	287	18,520	3.79	702	10	15,484	3.78	585	8-71		44	859	.01	32	52
23-07-0204	6806203	1330987	2-67	3	303	17,940	4.15	745	13	14,517	3.59	521	8-71		42	684	.11	41	54
23-07-0204	7274686	1347940	2-69	1	305	20,310	3.74	760	17	14,950	3.65	546	9-71		36	922	.01	35	57
23-07-0204	7466095	1427381	11-69	1	305	18,210	3.84	700	6	15,930	3.72	592	2-72		36	949	.05	42	63
23-07-0210	6040035	1347940	10-63	4	300	19,372	3.74	725	6	17,525	3.89	682	1-71		44	727	-.01	24	42
23-07-0211	6829670	1402118	4-67	2	305	25,580	3.49	892	11	18,415	3.87	712	5-71		40	937	-.07	23	47
23-07-0211	7164655	1427615	4-68	2	305	22,795	3.53	804	16	17,065	3.77	644	10-71		40	1,068	-.11	21	50
23-07-0215	7194127	1347940	2-68	2	305	18,520	3.56	659	16	13,365	3.85	514	10-71		40	1,000	-.03	32	57
23-07-0215	7557979	1387978	7-69	1	304	18,090	3.90	705	9	13,920	3.81	531	3-72		36	736	.00	27	44
23-07-0217	7020905	1320310	2-68	1	305	19,360	3.53	684	6	15,540	3.58	557	5-71		36	886	-.04	26	48
23-07-0218	6926377	1347940	6-67	1	305	20,630	3.49	719	6	13,080	3.79	496	10-71		36	1,071	-.02	35	61
23-08-0001	6597047	1347940	9-65	5	298	16,234	3.70	601	32	12,912	3.73	481	1-72		44	863	.00	31	52
23-08-0001	6889545	1347940	1-67	3	305	15,413	4.48	691	30	12,736	3.67	468	3-71		42	760	.10	42	57
23-08-0006	6450881	1347940	8-65	5	296	15,356	3.96	608	28	13,720	3.72	510	10-71		44	656	.04	29	44
23-08-0006	6706857	1347940	1-67	4	283	15,980	3.82	611	24	13,902	3.72	517	12-71		44	710	.02	28	44
23-08-0006	6903916	1347940	8-67	3	294	17,386	3.37	586	21	13,863	3.68	510	11-71		42	870	-.04	25	47
23-08-0006	7177261	1347940	10-68	2	295	16,905	3.54	598	26	13,915	3.67	510	10-71		40	786	-.02	26	45
23-08-0006	7224222	1347940	9-68	2	305	18,060	3.35	605	18	13,880	3.60	500	2-72		40	906	-.03	28	50
23-08-0006	7392036	1320310	7-69	1	305	18,780	3.51	659	23	13,470	3.73	503	8-71		36	982	-.05	27	52
23-08-0008	6648425	1347940	9-66	4	293	21,342	3.19	681	31	16,330	3.69	603	2-72		44	1,103	-.08	27	56
23-08-0008	6790563	1413165	4-67	1	305	22,480	4.21	947	36	16,870	3.80	641	1-72		36	789	-.04	23	43
23-08-0034	5773199	1244845	3-63	3	305	20,747	3.84	796	25	16,093	3.76	605	5-71		42	758	-.01	26	44
23-08-0034	6447029	1465867	8-65	3	305	19,946	4.08	814	31	16,136	3.78	610	1-71		35	545	.08	31	42
23-08-0034	7310837	1427381	1-69	2	305	23,725	3.61	856	30	16,950	3.81	646	2-72		40	1,435	.01	54	88
23-08-0038	5968103	1303863	5-63	4	305	17,830	3.86	689	59	13,765	3.78	521	12-71		37	644	.03	27	42
23-08-0038	6604019	1461444	2-66	4	305	16,988	4.41	750	45	13,950	3.79	529	11-71		30	455	.12	34	42
23-08-0038	6604027	1347940	6-66	3	305	16,753	3.97	665	60	14,020	3.74	525	12-71		42	781	.03	33	51
23-08-0038	6632744	1347940	6-66	4	289	15,057	3.64	548	36	12,787	3.74	478	7-71		44	720	-.01	25	42
23-08-0038	6763615	1347940	7-66	3	305	19,033	3.51	668	54	13,993	3.82	535	12-71		42	1,046	-.04	32	58
23-08-0038	6763617	1347940	8-66	3	305	15,643	4.12	644	57	13,923	3.76	523	12-71		42	663	.05	31	46
23-08-0038	6776681	1347940	1-67	2	305	17,955	3.75	673	41	13,960	3.75	523	8-71		40	888	.01	33	54
23-08-0038	6948107	1347940	11-67	2	305	18,400	3.61	664	47	14,070	3.61	508	4-71		40	923	.00	33	55
23-08-0038	7049978	1347940	3-68	2	304	21,050	3.53	743	41	14,340	3.84	551	11-71		40	1,168	-.03	37	66
23-08-0038	7364765	1502108	4-69	1	301	20,490	4.34	889	52	15,730	3.90	613	10-71		22	577	.08	33	45
23-08-0039	6503955	1207770	3-66	4	305	22,240	3.33	740	14	15,165	3.59	544	7-71		44	812	-.04	23	43
23-08-0039	6688261	1347940	8-66	3	305	17,790	3.92	697	16	15,006	3.62	543	1-71		42	798	.04	35	53
23-08-0039	6740383	1347940	8-66	3	304	20,623	3.31	683	17	15,510	3.72	577	5-71		42	1,072	-.06	30	57
23-08-0039	6765889	1347940	10-66	4	300	18,867	3.85	727	17	16,182	3.70	598	2-72		44	813	.02	33	52
23-08-0039	6829695	1347940	1-67	3	305	18,820	2.96	558	13	15,266	3.55	542	10-71		42	890	-.09	19	43
23-08-0039	6829698	1347940	3-67	3	305	22,733	3.37	766	14	15,896	3.57	567	12-71		42	1,274	-.04	40	71
23-08-0039	7023600	1347940	10-67	2	305	19,645	3.58	703	17	15,785	3.71	585	5-71		40	893	-.01	30	52
23-08-0039	7234107	1347940	9-68	2	305	18,765	3.68	690	14	16,685	3.60	600	1-72		40	782	.01	27	44
23-08-0039	7350069	1347940	11-68	1	305	18,050	3.89	702	16	15,220	3.76	572	6-71		36	735	.02	29	46
23-08-0039	7562838	1347940	8-69	1	305	22,550	3.19	720	15	15,880	3.66	581	8-71		36	1,026	-.05	30	56
23-08-0039	7593742	1347940	11-69	1	305	19,620	3.65	716	10	17,460	3.64	635	1-72		36	702	.00	26	43
23-08-0041	6947495	1347940	1-68	2	305	15,510	3.72	577	7	12,930	3.66	473	6-71		40	734	.00	27	44
23-08-0044	6405902	1347940	9-65	4	297	16,592	4.12	683	20	14,267	3.74	534	9-71		44	745	.05	35	51
23-08-0044	6462773	1347940	10-65	4	305	19,077	3.75	715	43	14,535	3.84	558	12-71		44	1,022	-.01	36	60
23-08-0044	6462774	1347940	12-65	3	305	16,520	4.16	688	17	14,650	3.88	569	6-71		42	689	.04	31	46
23-08-0044	6462775	1347940	1-66	3	305	19,533	3.91	763	47	14,573	3.86	563	12-71		42	1,043	.02	40	64
23-08-0044	6606319	1347940	7-66	4	302	16,357	3.78	618	36	14,395	3.84	553	3-72		44	702	.00	25	42

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C O	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
23-08-0044	6822943	1347940	2-67	2	305	18,780	3.40	638	41	15,425	3.84	592	12-70		40	838	-.05	23	$ 44
23-08-0044	6822944	1347940	3-67	3	299	16,683	3.84	640	36	14,720	3.85	567	3-72		42	700	.01	26	43
23-08-0044	6839760	1347940	3-67	3	284	16,510	4.00	661	40	14,763	3.87	571	2-72		42	676	.02	28	43
23-08-0044	6948918	1347940	9-67	2	288	17,035	3.75	639	34	14,620	3.82	559	12-71		40	735	.00	26	44
23-08-0044	5948921	1347940	10-67	2	296	16,910	3.55	600	47	14,235	3.86	549	11-71		40	757	-.03	23	42
23-08-0044	7017418	1347940	1-68	2	305	18,455	3.39	626	33	13,880	3.85	534	2-72		40	946	-.05	27	51
23-08-0044	7544549	1347940	9-69	1	296	17,280	3.50	605	56	13,860	3.91	542	12-71		36	769	-.02	24	43
23-08-0087	6513854	1347940	2-66	4	286	18,305	3.65	668	33	15,772	3.70	584	10-71		44	790	-.01	27	46
23-08-0087	7001997	1347940	4-67	2	302	22,630	3.42	774	38	16,100	3.73	600	9-70		40	1,167	-.04	36	65
23-08-0087	7001998	1347940	4-67	3	305	18,940	4.04	765	22	16,180	3.76	609	1-72		42	809	.04	36	54
23-08-0087	7002000	1347940	8-67	2	305	20,265	3.13	634	33	15,820	3.74	591	7-71		40	953	-.08	22	47
23-08-0089	7800748	1427381	9-69	1	305	17,020	3.95	673	13	13,630	3.65	498	3-72		36	1,014	.07	47	69
23-08-0104	7151291	1377954	2-67	3	301	20,210	3.38	683	24	16,097	3.68	592	3-71		42	834	-.03	26	47
23-08-0124	6781506	1347940	12-66	4	294	22,052	3.44	759	14	17,490	3.84	671	3-72		44	1,061	-.06	29	56
23-08-0124	6795023	1467405	5-67	3	302	24,443	3.42	835	15	18,233	3.80	693	7-71		42	859	-.05	24	46
23-08-0124	6993345	1347940	8-67	2	305	24,985	3.57	893	16	16,970	3.92	666	3-71		40	1,327	-.04	42	75
23-08-0124	7132554	1504414	6-68	2	296	22,770	3.86	880	18	18,140	3.83	694	10-71		38	747	.07	37	53
23-08-0124	7132555	1504414	8-68	2	304	20,525	4.40	904	21	17,130	3.99	683	1-72		38	607	.13	41	52
23-08-0135	6554110	1347940	1-66	4	304	19,042	3.86	735	22	14,865	3.73	555	10-71		44	981	.02	39	62
23-08-0135	6572298	1347940	3-66	4	305	18,370	3.95	725	20	15,180	3.72	564	9-71		44	863	.04	37	56
23-08-0135	7006924	1347940	11-67	3	305	20,700	3.26	674	41	16,013	3.67	587	1-72		42	1,028	-.06	28	54
23-08-0135	7062389	1347940	5-68	2	305	18,070	4.21	760	37	15,540	3.71	576	11-71		40	756	.06	37	53
23-08-0135	7085138	1347940	1-67	4	303	17,140	4.00	686	30	15,635	3.61	565	3-72		44	661	.05	32	46
23-08-0135	7208674	1340669	9-68	2	305	23,420	3.65	855	43	16,150	3.67	593	12-71		40	988	-.06	26	51
23-08-0135	7461934	1458744	6-69	1	305	19,850	3.49	693	28	15,520	3.78	586	9-71		36	810	-.03	25	45
23-08-0137	6601218	1347940	5-66	1	305	23,400	3.55	830	24	17,660	3.70	654	3-71		36	970	-.01	33	56
23-08-0137	6729449	1347940	11-66	3	304	19,930	3.38	673	23	16,746	3.79	634	10-71		42	864	-.05	23	45
23-08-0137	6729450	1347940	12-66	3	305	21,540	3.66	788	24	16,523	3.78	624	10-71		42	1,072	-.01	37	63
23-08-0137	6729451	1347940	2-67	3	305	22,510	3.14	706	20	16,276	3.76	612	7-71		42	1,209	-.09	29	60
23-08-0137	7450259	1347940	3-69	1	305	21,550	3.81	822	25	17,690	3.66	648	4-71		36	830	.02	33	52
23-08-0138	6617463	1347940	10-66	3	305	19,103	4.04	771	21	15,606	3.67	572	9-71		42	887	.05	40	60
23-08-0138	6660460	1347940	12-66	3	287	18,530	3.53	654	17	15,670	3.70	580	10-71		42	814	-.02	26	46
23-08-0138	6775507	1347940	12-66	3	305	18,716	3.78	707	13	15,580	3.68	574	10-71		42	845	.02	33	53
23-08-0138	6888079	1347940	8-67	3	305	18,633	4.19	781	22	16,013	3.75	600	11-71		42	791	.07	39	56
23-08-0138	6888080	1347940	9-67	3	296	19,390	3.49	676	14	15,593	3.71	578	9-71		42	921	-.03	29	52
23-08-0138	7425271	1347940	12-69	1	305	20,760	3.82	793	26	15,430	3.80	587	12-71		36	923	.01	35	57
23-08-0138	7446645	1347940	10-69	1	305	17,740	3.83	679	18	15,120	3.67	555	10-71		36	719	.01	28	45
23-08-0139	6736399	1347940	9-66	3	305	19,776	3.75	741	24	17,413	3.71	646	3-71		42	777	.01	29	47
23-08-0139	6749083	1347940	12-66	2	305	18,470	3.63	670	14	16,035	3.80	609	7-71		40	751	-.02	24	42
23-08-0139	7104148	1347940	11-67	2	305	23,060	3.39	782	20	17,090	3.80	649	9-71		40	1,121	-.05	32	60
23-08-0139	7240616	1347940	9-68	2	298	22,890	3.64	834	17	17,830	3.72	663	2-72		40	1,036	-.01	36	61
23-08-0139	7663177	1347940	11-68	2	305	21,065	3.67	773	15	17,245	3.73	644	4-72		40	904	.00	32	54
23-08-0139	7679605	1347940	10-68	2	304	19,530	3.65	713	17	17,510	3.79	664	1-72		40	724	-.01	24	42
23-08-0139	7702120	1347940	2-69	1	305	22,600	3.34	755	21	17,960	3.71	666	2-71		36	891	-.03	27	49
23-08-0139	7702124	1347940	7-69	1	305	21,110	3.51	741	18	17,600	3.73	656	9-71		36	804	-.02	26	46
23-08-0139	7711827	1347940	11-69	1	305	26,330	3.29	866	22	17,970	3.75	674	11-71		36	1,168	-.05	34	63
23-08-0139	7711828	1347940	12-69	1	305	18,790	4.10	771	14	16,930	3.82	646	3-72		36	676	.03	29	44
23-08-0140	7047317	1347940	12-67	1	305	16,490	3.69	609	34	12,660	3.93	498	12-70		36	791	-.01	27	46
23-08-0140	7047319	1347940	2-68	2	305	15,985	3.50	559	14	12,800	3.95	506	3-72		40	794	-.04	23	43
23-08-0140	7047320	1471956	12-67	2	305	16,610	3.57	593	35	12,550	3.90	490	11-71		39	797	-.03	24	44
23-08-0140	7410632	1347940	3-69	1	305	16,620	3.86	642	38	12,030	3.92	472	9-71		36	843	.00	31	51
23-08-0143	5545671	1306477	10-61	6	305	22,283	3.46	771	20	15,750	3.87	609	9-71		44	919	-.09	19	43
23-08-0143	7516106	010275932	9-69	1	305	22,620	3.71	840	17	14,640	3.78	554	6-71		36	727	.02	29	46
23-08-0144	6457082	1347940	8-65	5	302	17,908	3.91	700	34	13,842	4.03	558	12-71		44	971	.00	35	58
23-08-0144	7166421	1493686	8-68	1	305	17,170	4.01	689	31	13,760	4.10	564	1-71		35	677	.04	30	45
23-08-0146	6745380	1347940	8-66	4	298	19,675	3.51	691	18	15,575	3.77	587	2-72		44	981	-.03	30	54
23-08-0146	6790158	1347940	9-66	2	305	19,060	3.81	726	13	15,515	3.71	575	11-70		40	858	.01	33	53
23-08-0146	7040806	1347940	11-67	2	293	20,290	3.45	699	18	15,255	3.68	561	5-71		40	1,007	-.03	32	57
23-08-0146	7328277	1347940	2-68	2	288	18,420	3.71	684	19	15,890	3.71	589	4-71		40	759	.00	28	46
23-08-0147	6355747	1347940	3-65	5	304	18,388	3.65	671	15	14,758	3.69	545	1-72		44	926	.00	33	55
23-08-0147	6875719	1347940	6-67	3	283	16,956	4.16	705	18	15,350	3.76	577	3-72		42	666	.05	32	46
23-08-0147	6974989	1347940	1-67	2	305	17,860	3.59	642	22	14,980	3.72	557	5-71		40	786	-.02	26	45
23-08-0152	6533292	1347940	12-65	4	298	19,472	3.41	664	26	14,480	3.62	524	12-71		44	1,077	-.03	34	61
23-08-0152	6533293	1347940	1-66	4	303	18,657	3.79	707	18	14,642	3.67	537	2-72		44	959	.02	38	60
23-08-0152	6719454	1347940	5-66	4	304	17,502	3.58	627	27	14,202	3.63	516	12-71		44	865	-.01	30	51
23-08-0152	7058101	1347940	3-67	3	305	16,946	4.03	683	19	14,306	3.73	534	3-72		42	773	.04	34	51
23-08-0152	7058102	1347940	7-67	3	305	18,790	3.72	699	31	14,506	3.72	539	12-71		42	965	.00	35	58
23-08-0152	7058103	1347940	7-67	3	302	18,030	3.32	598	32	14,426	3.69	533	11-71		42	886	-.05	24	47
23-08-0152	7293017	1347940	11-67	2	302	20,145	3.46	697	24	14,290	3.71	530	12-71		40	1,081	-.03	34	61
23-08-0152	7293019	1347940	2-68	2	305	20,375	3.41	694	19	14,065	3.70	520	9-71		40	1,124	-.04	35	63
23-08-0152	7357717	1347940	10-68	2	292	16,340	3.78	617	16	13,985	3.77	527	3-72		40	722	.01	27	44
23-08-0153	7093149	1347940	1-67	3	305	18,676	3.89	727	18	14,850	3.77	560	2-72		42	916	.03	37	58
23-08-0153	7268282	1347940	9-68	2	275	18,605	3.85	717	13	14,735	3.77	555	11-71		40	884	.01	34	55
23-08-0153	7268283	1347940	9-68	1	305	19,230	3.35	645	19	14,800	3.78	559	1-71		36	851	-.03	26	47
23-08-0153	7268284	1347940	10-68	2	292	19,115	3.55	679	14	14,230	3.77	536	1-72		40	981	-.02	32	56
23-08-0153	7658167	1471956	11-68	1	305	19,410	4.04	784	20	15,490	3.66	567	2-71		35	730	.03	31	48
23-08-0157	6509821	1347940	11-65	5	279	16,402	3.99	655	18	14,840	3.78	561	11-71		44	661	.03	29	44
23-08-0157	6745379	1347940	5-66	1	280	17,500	3.99	698	20	15,210	3.69	562	2-72		36	695	.03	29	45
23-08-0157	6852177	1347940	8-67	2	305	17,440	3.98	694	26	14,705	3.80	559	2-71		40	768	.02	31	49
23-08-0157	7113817	1347940	10-67	2	305	20,900	3.51	733	20	14,920	3.79	565	4-71		40	1,100	-.03	35	62
23-08-0157	7226590	1347940	11-68	1	30	18,550	3.67	681	24	14,900	3.81	567	1-71	B	36	794	.00	28	47
23-08-0157	7401877	1471956	11-67	3	305	17,340	3.97	689	27	14,833	3.76	558	4-72		41	679	.03	29	44
23-08-0157	7450187	1347940	3-68	2	305	17,125	3.67	628	17	14,665	3.78	555	6-71		40	740	-.01	25	43
23-08-0157	7665919	1347940	11-68	1	305	18,460	4.04	746	24	15,310	3.79	580	3-71		36	760	.03	32	49
23-08-0157	7900522	1347940	9-69	1	305	18,830	3.63	684	18	14,970	3.74	560	3-72		36	810	-.01	28	48

TABLE 3. HOLSTEIN USDA-OHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C O	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
23-08-0163	6615837	1347940	8-65	5	304	20,150	3.24	652	30	16,542	3.76	622	12-71		44	946	-.08	22	$ 47
23-08-0163	6730013	1347940	8-66	4	295	19,555	3.59	702	29	16,095	3.84	618	9-71		44	908	-.03	28	50
23-08-C163	6730014	1347940	8-66	4	301	20,400	3.51	716	31	16,055	3.84	617	3-72		44	1,017	-.04	30	55
23-08-0163	6730018	1347940	1-67	4	301	21,570	3.54	764	29	16,080	3.82	615	4-72		44	1,159	-.04	36	65
23-08-C163	6739942	1347940	3-66	4	299	18,985	3.95	750	18	16,245	3.71	603	6-71		44	821	.04	36	54
23-08-0163	6925785	1347940	11-66	4	296	20,442	4.05	828	31	16,510	3.81	629	11-71		44	972	.05	42	64
23-08-0163	7159136	1347940	10-66	3	305	20,893	3.67	766	34	16,016	3.82	612	12-70		42	1,050	-.01	36	61
23-08-0164	7209018	1347940	9-68	1	305	21,850	3.41	744	19	14,400	3.87	557	5-71		36	1,073	-.04	33	60
23-08-0170	6673796	1347940	12-66	3	300	16,903	3.37	570	7	13,896	3.81	530	5-71		42	811	-.05	22	43
23-08-0170	7226548	1347940	2-68	2	305	18,730	3.93	736	14	14,690	3.77	554	9-71		40	900	.02	36	57
23-08-C170	7335720	1467405	10-67	2	301	21,965	3.89	855	18	14,460	3.76	543	9-71		40	860	.05	38	57
23-08-0172	7183898	1347940	12-66	3	305	19,813	3.69	731	20	17,196	3.81	655	10-71		42	804	-.01	27	47
23-08-0172	7208538	1347940	12-67	2	305	20,360	3.44	700	15	16,815	3.90	655	8-71		40	872	-.06	23	45
23-08-0172	7296897	1347940	1-69	1	305	20,170	3.95	796	21	17,980	3.85	692	10-71		36	768	.02	28	44
23-08-C172	7296898	1347940	2-69	1	305	20,730	4.06	842	19	17,690	3.75	663	1-72		36	769	.03	33	5C
23-08-C209	6766551	1331709	10-66	2	305	21,760	3.54	770	27	14,885	3.93	585	2-71		40	936	-.07	23	47
23-08-0209	6945607	1383004	10-67	3	305	19,086	4.10	782	41	14,716	3.89	573	10-71		42	468	.14	37	45
23-08-0209	7550614	1493686	9-69	1	305	16,110	4.43	713	48	14,240	3.88	553	10-71		35	564	.08	33	44
23-08-0234	5954506	010251372	7-61	6	285	20,212	3.92	793	18	16,757	3.72	624	12-71		35	693	.06	34	49
23-08-0234	5954507	010251372	9-61	6	305	20,862	3.53	736	14	16,570	3.78	627	4-71		35	817	-.02	26	46
23-08-0234	6932437	1456488	5-67	3	305	20,500	3.67	753	19	17,150	3.76	645	12-71		33	760	-.02	24	43
23-08-C234	7028165	1456488	12-67	2	305	20,645	3.70	764	15	16,800	3.71	623	10-71		30	774	-.01	27	46
23-J8-C234	7207522	1456488	8-68	1	305	22,970	3.71	853	13	17,640	3.79	668	7-71		24	814	-.02	27	47
23-08-0246	6781508	1347940	3-67	3	298	17,733	3.91	694	19	13,180	3.58	472	9-71		42	980	.04	42	64
23-J8-0262	6453985	1347940	12-65	5	301	16,796	3.46	581	32	13,226	3.77	498	2-72		44	899	-.04	27	49
23-J8-0262	6962162	1347940	10-67	3	296	15,813	3.54	560	36	13,153	3.73	490	12-71		42	762	-.02	25	44
23-08-C281	6472695	1406271	9-65	3	305	18,130	3.71	672	31	16,393	3.54	581	5-71		42	594	.06	30	43
23-08-C281	6512155	1389471	1-66	4	305	20,943	3.47	726	28	15,565	3.57	555	9-71		44	828	-.04	24	45
23-08-C281	7349300	1493686	1-69	1	305	25,23C	3.30	833	40	15,950	3.62	577	8-71		35	1,137	-.01	40	67
23-J8-0281	7353834	1493686	12-68	1	305	20,250	3.44	697	40	15,950	3.62	577	8-71		35	761	.02	30	48
23-08-0291	6703279	1347940	12-66	3	305	17,373	3.68	640	12	14,616	3.86	564	8-71		42	790	-.02	26	45
23-08-0291	6703280	1347940	1-67	3	305	19,240	4.13	794	21	14,730	3.81	561	11-71		42	993	.05	44	66
23-08-C291	7080110	1347940	7-67	2	305	17,045	3.96	675	16	14,705	3.87	569	3-71		40	728	.02	29	46
23-C8-0291	7080112	1347940	9-67	2	305	18,805	3.74	704	12	14,680	3.90	572	4-71		40	909	-.01	31	53
23-J8-C291	7080114	1347940	11-67	1	305	19,020	3.70	703	23	15,130	3.88	587	2-71		36	814	-.01	28	48
23-J8-C291	7098979	1347940	7-68	2	305	17,205	4.16	715	20	14,950	3.79	566	2-72		40	722	.05	33	49
23-J8-0291	7105193	1347940	7-66	3	305	17,803	3.94	702	24	14,786	3.83	566	5-71		42	822	.02	33	52
23-08-0291	7105194	1347940	12-67	2	305	19,670	4.09	805	21	14,805	3.80	563	12-71		40	985	.04	42	64
23-08-0291	7729417	1347940	12-69	1	305	17,040	3.67	625	6	14,520	3.79	551	4-72		36	707	.0C	25	42
23-08-C309	6471246	1347940	9-65	5	304	19,494	3.43	668	13	16,726	3.81	638	3-72		44	841	-.05	22	44
23-08-C309	7289878	1347940	11-68	2	305	20,930	3.59	751	13	15,280	3.80	580	10-71		40	1,070	-.02	35	61
23-08-C313	6508805	1473205	9-65	4	304	22,328	3.50	782	19	17,283	3.70	640	7-71		30	811	-.03	24	44
23-08-C313	7068671	1347940	8-66	4	304	19,430	3.70	719	17	17,310	3.70	641	3-72		44	758	.0C	27	45
23-C8-0330	6226351	1417208	1-65	4	305	17,585	3.63	638	38	14,333	3.62	519	10-71		44	765	.02	30	48
23-08-0330	6253257	1417208	2-65	5	302	16,172	3.98	644	36	14,260	3.62	516	10-71		44	604	.06	31	44
23-08-0330	6762784	1329588	9-66	3	305	19,743	3.60	711	42	15,007	3.64	546	10-71		42	752	-.01	25	43
23-08-C330	7844899	1441440	6-69	1	305	19,110	3.45	660	41	15,430	3.58	552	10-71		36	675	.01	26	42
23-08-0331	6888575	1347940	2-67	3	294	16,596	3.71	615	19	14,150	3.65	517	7-71		42	749	.01	28	46
23-08-0331	6899276	1261857	9-67	2	305	17,695	3.40	601	19	14,350	3.74	537	8-71		40	744	.02	30	47
23-08-C331	6899277	1261857	9-67	2	295	15,800	4.37	691	23	14,025	3.69	518	5-71		40	581	.13	40	5C
23-08-C361	6728858	1347940	1-67	2	305	18,160	3.98	722	22	15,680	3.65	572	12-70		40	752	.04	33	5C
23-08-0370	7508134	1347940	11-68	1	305	18,950	3.78	717	11	14,200	3.79	538	11-70		36	871	.0C	32	53
23-08-C372	7181218	1347940	9-68	1	305	21,370	3.70	791	12	18,910	3.96	748	11-70		36	735	-.02	24	42
23-08-C372	7286675	1347940	2-69	1	304	22,550	4.49	1013	20	18,790	3.84	722	10-71		36	831	.08	42	6C
23-08-C372	7479457	1347940	9-69	1	305	23,800	3.79	903	20	18,790	3.84	722	10-71		36	924	.0C	34	56
23-J8-0377	6762575	1347940	2-67	3	303	22,113	3.30	729	21	16,323	3.74	610	11-71		42	1,159	-.06	32	61
23-08-C378	5112324	1270141	1-60	4	305	20,713	4.27	885	13	15,448	3.71	573	2-71		39	763	.14	48	62
23-08-0390	6338225	1347940	6-65	5	305	17,182	3.71	638	12	15,010	3.71	557	11-71		44	741	.00	27	45
23-08-0398	5728633	1085978	12-62	7	288	20,810	3.36	699	12	16,466	3.72	613	1-72		44	992	-.08	24	50
23-08-0398	7045432	1347940	12-67	2	305	19,260	3.69	711	13	17,065	3.80	649	2-71		40	737	-.01	25	43
23-08-0401	7072732	1347940	8-66	3	292	17,216	4.07	700	13	15,130	3.73	565	11-70		42	719	.05	33	49
23-08-C421	6483687	1347940	2-66	4	305	18,277	4.27	780	10	15,042	3.89	585	8-71		44	867	.06	41	60
23-08-C421	6921169	1347940	2-67	3	305	19,870	3.50	695	14	15,636	3.86	603	9-71		42	972	-.05	28	52
23-08-0421	6921171	1347940	8-67	2	305	20,675	3.70	766	11	15,460	3.94	609	3-72		40	1,C27	-.02	34	59
23-J8-0432	6718839	1308570	7-66	3	305	18,376	3.64	668	17	13,593	3.72	505	3-72		37	808	.00	29	48
23-08-0432	7526676	1419528	9-68	2	304	17,665	3.87	683	10	13,550	3.73	506	10-71		40	657	.05	31	45
23-08-0436	6443213	1347940	9-65	4	305	20,215	3.62	731	25	16,955	3.78	641	4-71		44	894	-.02	29	51
23-08-C436	6706853	1347940	8-66	4	298	20,660	3.74	773	47	17,322	3.80	658	11-71		44	908	.00	32	54
23-08-0436	6706854	1347940	8-66	4	300	19,680	3.86	759	37	17,077	3.84	655	11-71		44	814	.01	31	5C
23-08-0436	6706855	1347940	9-66	4	291	19,677	3.57	703	45	17,317	3.78	655	10-71		44	787	-.03	24	44
23-08-0436	6746740	1347940	9-66	3	305	21,086	3.66	771	27	17,100	3.81	652	4-71		42	960	-.02	32	55
23-08-0436	6776727	1347940	10-66	3	305	19,863	3.89	773	39	17,126	3.77	646	12-70		42	817	.02	33	52
23-08-C436	6791625	1347940	12-66	4	301	20,332	3.49	710	47	17,465	3.78	661	11-71		44	852	-.04	24	45
23-08-0436	7137062	1347940	7-68	2	287	22,270	3.06	681	50	17,545	3.76	659	9-71		40	999	-.10	21	47
23-08-0441	6984551	1347940	10-67	2	305	20,765	3.39	703	11	17,100	3.60	616	1-72		40	887	-.03	27	49
23-08-0441	7322068	010229512	7-63	3	305	20,643	3.57	737	9	16,760	3.50	587	1-72		42	570	.07	31	43
23-08-0457	5781678	1306477	10-62	5	305	22,636	3.60	816	23	16,404	3.82	627	12-71		44	889	-.06	23	46
23-08-C457	6760647	1480855	12-66	3	305	20,813	3.63	756	26	17,516	3.79	663	11-71		33	750	-.03	23	42
23-08-C457	7168454	1480855	12-67	1	305	21,850	3.61	788	23	17,350	3.70	642	10-70		24	729	-.02	24	42
23-08-C457	7193122	1480855	8-68	2	294	21,035	3.84	808	29	17,610	3.74	658	11-71		30	726	.02	29	46
23-08-0460	6978796	1347940	7-66	4	299	22,030	3.64	802	16	16,052	3.71	596	1-72		44	1,219	-.01	43	72
23-08-0462	6450901	1347940	10-65	4	304	20,967	3.15	660	22	15,767	3.67	578	4-71		44	1,119	-.09	27	56
23-08-0462	6763563	1347940	1-67	4	294	17,982	3.92	704	24	15,915	3.57	568	12-71		44	734	.05	34	50
23-08-0462	7202563	1347940	12-68	1	305	18,760	3.96	742	6	14,310	3.72	533	8-71		36	849	.02	34	54
23-08-0462	7235727	1347940	10-68	2	291	18,665	3.24	604	22	14,955	3.54	529	3-72		40	869	-.04	25	47

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C D	REPT (%)	.......C O W MILK (LB)	I N D E X....... FAT (%)	FAT (LB)	DOL-LARS
23-08-0462	7451330	1347940	10-69	1	305	19,220	3.32	638	25	15,510	3.51	545	1-72		36	803	-.02	26	$ 46
23-08-0463	6335713	010251671	10-63	3	305	21,963	3.60	791	21	14,743	3.65	538	5-71		41	946	-.07	24	48
23-08-0463	6637295	1469311	11-66	2	305	19,275	4.05	780	23	15,130	3.65	553	3-71		40	619	.09	36	48
23-08-0466	6431947	1347940	12-65	5	292	15,328	4.09	627	19	13,470	3.68	496	2-72		44	681	.06	33	48
23-08-0466	6672387	1347940	7-66	3	305	16,093	3.85	619	19	13,483	3.63	490	3-71		42	760	.02	31	48
23-08-0466	6854432	1347940	3-67	3	303	15,556	4.08	634	17	13,640	3.73	509	3-72		42	682	.04	31	46
23-08-0468	6796258	1347940	12-66	3	305	18,783	3.53	663	16	15,086	3.65	550	11-71		42	904	-.02	30	52
23-08-0473	7138629	1448645	8-65	2	300	21,960	4.37	959	16	17,845	3.74	668	9-71		25	564	.12	39	49
23-08-0482	5536572	1189870	11-61	5	293	21,632	3.74	810	18	17,980	3.79	682	7-71		44	715	.01	27	44
23-08-0482	6804979	1347940	12-66	3	295	22,256	3.65	812	14	18,330	3.85	705	7-71		42	968	-.03	31	55
23-08-0496	6686098	1347940	8-66	3	287	18,363	3.64	668	11	15,473	3.67	568	10-70		42	816	.00	29	49
23-08-0506	7463664	1347940	6-69	1	305	24,200	3.66	885	31	18,950	3.77	714	11-71		36	943	-.01	33	56
23-08-0511	6677204	1347940	9-66	3	302	18,453	3.53	652	14	16,146	3.72	601	9-71		42	756	-.02	24	43
23-08-0511	6780478	1347940	11-66	3	305	19,790	3.50	692	26	16,520	3.67	607	12-70		42	871	-.02	28	49
23-08-0511	6821446	1347940	3-67	3	305	17,120	3.84	657	13	15,400	3.72	573	8-71		42	680	.02	27	43
23-08-0511	6890826	1347940	5-67	3	305	18,630	3.57	665	19	16,473	3.72	613	10-71		42	743	-.02	24	42
23-08-0524	5407032	1189870	8-61	8	304	21,006	3.19	670	14	15,170	3.80	577	7-71		44	960	-.09	21	46
23-08-0524	6182179	1189870	12-63	5	299	21,402	3.61	772	14	16,038	3.74	600	1-71		44	910	-.01	32	54
23-08-0524	6438262	1446646	7-65	4	305	20,987	3.87	812	15	16,480	3.80	627	3-71		36	863	.02	34	54
23-08-0524	6718320	1347940	10-66	3	305	20,320	3.39	689	11	15,176	3.77	572	4-72		42	1,071	-.05	31	58
23-08-0524	6964165	1347940	11-67	3	289	18,783	3.79	711	22	16,096	3.80	612	12-71		42	799	.00	29	48
23-08-0524	6977327	1347940	9-67	2	262	20,410	3.68	752	14	15,365	3.79	583	2-72		40	1,009	-.01	35	59
23-08-0525	6393191	1348259	6-65	4	292	16,728	3.52	589	9	12,985	3.54	460	4-71		44	696	.01	26	42
23-08-0528	7171052	010229512	3-64	2	305	23,150	4.16	964	17	15,840	3.50	555	5-71		40	853	.16	55	71
23-08-0528	7660054	1469311	11-68	1	305	20,470	3.67	751	20	14,170	3.75	531	7-71		35	675	.04	30	45
23-08-0529	6449680	1347940	8-65	5	305	19,232	3.85	741	11	16,276	3.74	608	12-71		44	859	.03	35	55
23-08-0529	6494020	1347940	9-65	4	299	18,165	3.71	674	15	16,105	3.78	608	1-72		44	735	.00	26	44
23-08-0529	6819520	1347940	9-66	3	305	21,653	3.77	817	11	16,116	3.83	617	1-71		42	1,127	.00	41	68
23-08-0529	7082141	1347940	6-68	2	282	18,485	3.77	697	19	16,460	3.79	624	9-71		40	714	.00	26	43
23-08-0532	7260175	1347940	3-69	2	304	17,810	3.68	656	16	14,670	4.01	589	3-72		40	809	-.03	25	45
23-08-0537	6127822	1278644	8-64	6	301	20,340	3.57	727	16	15,778	3.57	564	2-72		44	923	-.05	26	49
23-08-0537	6978773	1379208	9-67	3	305	19,417	3.60	699	10	16,247	3.49	567	3-72		42	668	.02	27	42
23-08-0543	7111517	1347940	10-66	3	305	19,636	3.68	722	5	16,340	3.62	591	6-71		42	872	.01	33	53
23-08-0552	6677685	1347940	12-66	3	301	22,200	3.26	724	16	15,940	3.54	565	11-71		42	1,208	-.05	36	66
23-08-0552	7120224	1347940	4-68	2	303	19,450	3.08	599	13	15,995	3.54	566	11-71		40	854	-.06	21	43
23-08-0555	7208350	1347940	10-68	2	305	18,640	3.93	733	8	16,865	3.76	634	10-71		40	692	.03	29	45
23-08-0556	6577014	1347940	4-66	3	290	16,783	3.68	618	6	14,060	3.65	513	4-72		42	780	.01	29	47
23-08-0559	6685536	1347940	10-66	4	305	18,082	4.05	733	22	15,330	3.79	581	12-71		44	811	.04	36	54
23-08-0559	6695036	1347940	11-66	4	296	17,712	3.64	645	22	15,365	3.81	585	11-71		44	762	-.02	25	44
23-08-0559	6791562	1347940	3-67	3	292	17,623	4.10	723	13	15,643	3.82	597	2-72		42	713	.04	32	46
23-08-0561	6853677	1347940	9-66	3	293	17,993	3.76	677	8	14,580	3.70	540	3-72		42	865	.01	33	53
23-08-0562	7309218	1427381	8-68	1	305	15,880	4.66	740	9	13,390	3.99	534	3-72		36	945	.10	49	69
23-08-0563	7049137	1347940	10-67	2	305	21,825	3.32	724	15	16,930	3.48	589	8-71		40	1,010	-.03	32	57
23-08-0569	6987015	1347940	9-67	3	299	18,463	3.48	643	12	14,470	3.73	540	2-72		42	931	-.03	29	52
23-08-0569	6987016	1347940	10-67	3	277	16,670	4.12	686	12	14,423	3.79	547	1-72		42	730	.04	33	49
23-08-0569	7269051	1347940	8-68	2	302	16,720	3.85	643	13	14,755	3.75	553	9-71		40	690	.01	27	43
23-08-0569	7545666	1347940	1-70	1	291	18,780	3.59	675	11	12,720	3.82	486	1-72		36	957	-.01	33	56
23-08-0585	6739193	1347940	10-66	2	305	20,350	3.51	715	11	16,085	3.71	596	12-70		40	937	-.02	30	53
23-08-0585	7204521	1347940	9-68	1	305	18,730	3.87	725	10	16,410	3.69	606	2-71		36	706	.02	28	44
23-08-0585	7313904	1347940	2-69	2	302	18,635	3.61	672	9	16,830	3.62	610	2-72		40	695	.00	25	42
23-08-0589	6858862	1347940	12-66	3	300	17,896	3.44	615	22	14,243	3.60	513	8-71		42	889	-.03	28	50
23-08-0592	7235282	1347940	9-67	1	305	18,830	4.04	760	18	16,080	3.68	591	2-71		36	736	.04	32	49
23-08-0608	6756474	1347940	6-66	4	302	18,547	3.40	630	10	15,202	3.67	558	1-72		44	883	-.04	26	48
23-08-0608	6913735	1347940	7-67	3	298	16,816	4.06	682	8	15,106	3.82	577	1-72		42	676	.04	30	45
23-08-0626	7140662	1417208	11-66	2	305	18,990	4.07	772	8	16,225	3.59	582	3-71		40	685	.07	35	49
23-08-0631	7371605	1347940	9-67	2	305	22,470	3.48	783	9	14,830	3.76	557	10-70		40	1,267	-.03	41	72
23-08-0653	6844803	1347940	6-67	3	283	16,350	4.12	673	23	14,560	3.69	537	2-72		42	679	.06	33	46
23-08-0653	6900501	1377691	10-67	2	305	21,145	3.35	709	24	14,190	3.78	537	1-71		40	943	-.06	25	49
23-08-0653	6910379	1347940	9-67	2	305	18,490	3.64	673	13	13,350	3.72	497	10-70		40	998	-.01	35	59
23-08-0653	6910977	1347940	10-67	3	301	16,883	3.92	662	21	14,670	3.68	540	3-72		42	728	.03	31	47
23-08-0653	7267780	1347940	1-69	1	305	17,960	3.83	687	18	13,970	3.77	526	6-71		36	812	.01	31	50
23-08-0653	7409595	1347940	1-69	1	305	18,560	3.61	670	17	15,000	3.65	547	3-72		36	788	.00	28	47
23-08-0671	6493290	1347940	10-65	4	305	18,290	3.36	614	14	15,030	3.66	550	2-72		44	870	-.04	25	47
23-08-0672	6754868	1347940	3-67	2	305	21,005	3.48	732	10	13,925	3.87	539	12-71		40	1,201	-.04	37	67
23-08-0673	6820736	1347940	12-66	2	245	18,560	3.39	629	21	14,370	3.42	491	6-71		40	912	-.01	31	53
23-08-0673	7147341	1347940	4-68	1	305	17,600	3.56	626	23	13,560	3.56	483	9-70		36	813	.00	29	48
23-08-0690	6910381	1347940	10-67	2	305	15,820	4.03	637	11	13,515	3.75	507	8-71		40	712	.03	30	46
23-08-0692	6497219	1347940	10-65	3	302	18,083	3.73	674	7	15,326	3.71	569	3-72		42	799	.01	30	49
23-08-0700	4808379	1297759	9-58	11	300	18,857	4.04	761	29	16,074	3.56	572	4-71		37	572	.09	34	45
23-08-0704	7545369	1347940	9-69	1	305	20,340	3.66	745	16	15,310	3.61	552	10-71		36	900	.00	33	54
23-08-6001	6742717	1347940	10-66	4	289	20,075	3.90	783	14	15,612	3.65	570	4-72		44	1,026	.04	43	66
23-08-6002	7060814	1347940	11-66	3	305	16,543	3.64	602	8	13,446	3.61	486	12-70		42	816	.00	30	49
23-08-6004	6796966	1347940	1-67	2	305	15,810	3.71	587	11	12,990	3.85	500	10-71		40	759	-.01	26	44
23-08-6004	7049923	1347940	11-67	3	296	15,036	3.77	567	16	12,206	3.85	470	3-72		42	771	-.01	27	46
23-08-6004	7142167	1347940	4-68	2	305	15,655	4.24	663	16	12,855	3.95	508	3-72		40	756	.04	33	50
23-08-7280	6218493	1294703	8-64	1	305	21,680	3.80	823	5	16,130	3.48	562	4-71		35	835	.00	30	50
23-08-7280	6932998	1347940	8-67	1	305	22,280	3.86	860	7	16,690	3.63	606	1-72		35	952	.02	38	60
23-08-7429	7287699	1347940	5-67	3	297	19,486	3.59	699	5	16,710	3.57	597	8-71		42	817	.00	30	49
23-09-0032	6543566	1347940	1-66	3	305	19,436	3.73	724	15	13,946	3.86	539	12-70		42	1,097	-.01	38	64
23-09-0032	6878898	1347940	7-67	3	302	17,420	4.04	703	13	14,473	3.86	559	11-71		42	811	.03	34	52
23-09-0036	6925469	1347940	12-67	2	296	17,820	3.50	623	24	14,930	3.56	532	5-71		40	786	-.01	27	46
23-09-0036	7181437	1347940	4-68	2	305	17,295	3.66	633	37	14,420	3.59	517	9-71		40	779	.01	29	47
23-09-0036	7234081	1458744	11-68	1	305	18,400	3.68	678	34	15,290	3.64	556	7-71		36	717	.00	26	43
23-09-0036	7356411	1347940	1-69	1	298	18,370	3.76	690	25	15,120	3.67	555	6-71		36	766	.01	29	47
23-09-0039	7284286	1417208	4-69	1	305	22,250	3.41	758	9	15,920	3.62	576	9-71		36	894	-.01	30	52

TABLE 3. HOLSTEIN USDA-OHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C D	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
23-09-0051	6519949	1320310	6-65	5	303	16,056	3.83	615	20	13,988	3.80	532	10-71		44	781	-.02	25	$ 44
23-09-0051	6612460	1399824	5-66	4	305	17,270	3.96	684	18	14,948	3.79	567	3-72		44	600	.05	29	42
23-09-0051	6612461	1320310	6-66	3	305	16,250	3.93	639	14	14,307	3.90	558	5-71		42	761	-.02	24	43
23-09-0060	6885249	1393031	7-67	3	276	21,243	3.67	780	24	15,973	3.68	588	2-72		42	898	-.07	22	45
23-09-0060	7233086	1320310	7-68	2	303	17,235	3.69	636	18	15,260	3.69	563	1-72		40	767	-.03	23	42
23-09-0060	7233087	1320310	7-68	2	294	16,990	3.48	592	15	14,245	3.85	548	8-71		40	835	-.07	20	42
23-09-0061	6706367	1441440	11-66	3	301	17,756	3.53	626	15	14,890	3.69	549	5-71		42	692	.01	26	42
23-09-0065	6905348	1320310	8-67	2	305	20,315	3.98	809	20	15,710	3.84	604	6-71		40	1,039	-.01	36	61
23-09-0068	6739798	1437590	2-67	3	305	23,563	3.28	774	22	15,966	3.61	577	3-71		39	882	-.08	19	42
23-09-0068	6853875	1309574	4-67	3	299	17,960	3.85	691	22	15,497	3.47	537	4-72		42	506	.09	32	42
23-09-0068	6926099	1347940	8-67	2	305	19,390	3.40	660	23	15,610	3.58	559	1-71		40	883	-.03	28	50
23-09-0068	6926102	1347940	9-67	2	305	21,010	3.15	662	23	15,075	3.58	540	11-70		40	1,097	-.06	30	58
23-09-0068	7075685	1320310	2-68	2	300	17,760	3.40	603	22	14,145	3.63	514	10-71		40	922	-.06	24	48
23-09-0068	7075687	1320310	3-68	2	303	18,415	3.54	651	22	15,725	3.50	550	5-71		40	844	-.04	25	46
23-09-0068	7075695	1347940	6-68	1	305	18,630	3.42	638	19	15,970	3.61	576	11-70		36	728	-.01	24	42
23-09-0069	6615532	1347940	1-66	4	302	17,642	3.78	667	13	13,820	3.78	523	1-71		44	925	.00	34	56
23-09-0069	7344134	1427381	1-69	2	305	16,015	3.98	637	18	13,970	3.85	538	1-72		40	925	.06	42	62
23-09-0073	6309468	1320310	2-65	4	300	17,335	3.68	638	9	14,368	3.85	553	5-71		44	892	-.05	25	48
23-09-0073	6629533	1309574	4-66	3	305	18,337	4.06	744	9	13,857	3.61	500	6-71		42	719	.11	42	56
23-09-0074	7593370	1427381	7-69	1	305	17,210	3.64	627	10	13,540	3.81	516	2-72		36	1,034	.03	42	66
23-09-0077	6739258	1347940	9-66	4	293	16,762	3.69	619	13	14,510	3.76	546	2-72		44	739	.00	26	44
23-09-0079	6502673	1347940	10-65	3	305	16,310	3.86	630	8	13,220	3.56	471	6-71		42	813	.04	35	53
23-09-0079	7222692	1320310	1-69	1	305	17,530	3.23	567	10	12,230	3.59	439	7-71		36	972	-.07	25	50
23-09-0083	7335855	1309574	6-68	2	305	20,795	3.74	777	18	14,755	3.94	582	9-71		40	833	.03	35	54
23-09-0083	7335856	1309574	6-68	2	305	20,280	3.83	777	11	15,435	3.90	602	2-72		40	719	.05	33	49
23-09-0083	7431002	1320310	12-68	1	302	20,640	3.35	692	16	13,900	3.76	522	5-71		36	1,092	-.07	28	56
23-09-0088	6361829	1320310	10-64	5	305	17,156	3.46	593	10	14,034	3.83	538	11-71		44	917	-.08	21	45
23-09-0088	6629751	1399824	9-66	4	305	17,703	4.30	761	8	15,050	3.89	586	3-72		44	642	.09	36	49
23-09-0088	6813076	1441440	3-67	2	305	20,070	3.72	747	9	15,630	3.88	606	12-70		40	832	.01	32	51
23-09-0096	6729314	1402118	1-67	3	305	20,740	3.86	801	19	15,410	3.86	595	12-71		42	792	.00	28	47
23-09-0096	7629094	1320310	5-69	1	298	16,670	3.91	651	19	14,100	3.74	527	8-71		36	783	-.02	25	44
23-09-0101	6350000	1347940	3-65	5	305	17,334	3.61	625	22	14,002	3.82	535	12-71		44	878	-.02	28	50
23-09-0101	6654047	1347940	4-66	3	305	17,426	4.10	714	19	14,096	3.82	539	2-71		42	850	.04	37	56
23-09-0101	6654048	1347940	4-66	4	305	16,892	4.09	691	24	14,390	3.84	552	11-71		44	769	.04	34	51
23-09-0101	6654049	1347940	7-66	4	305	17,745	3.30	585	12	14,162	3.77	534	3-72		44	899	-.06	23	46
23-09-0101	6654050	1347940	7-66	4	299	15,975	4.13	659	24	14,297	3.78	540	10-71		44	666	.05	31	46
23-09-0101	6654053	1347940	10-66	3	305	17,240	3.75	647	25	14,650	3.89	570	12-71		42	772	-.01	26	45
23-09-0101	6684465	1347940	7-66	4	304	17,985	3.63	652	22	14,382	3.85	553	12-71		44	905	-.02	29	51
23-09-0101	6765456	1347940	3-66	4	305	18,910	3.96	749	24	14,162	3.79	537	9-71		44	1,043	.03	43	67
23-09-0101	6765459	1347940	12-66	3	302	16,756	3.56	596	24	14,273	3.83	546	9-71		42	755	-.03	23	42
23-09-0101	6765460	1347940	12-66	2	305	17,660	4.00	707	17	14,050	3.80	534	1-71		40	850	.03	35	54
23-09-0101	6765463	1347940	1-67	3	301	18,350	4.19	768	21	14,436	3.77	544	11-71		42	921	.06	43	63
23-09-0101	6765464	1347940	1-67	3	305	16,410	3.81	625	23	14,346	3.76	540	10-71		42	708	.01	27	44
23-09-0101	6765467	1347940	3-67	3	305	16,110	3.89	627	18	14,606	3.71	542	7-71		42	646	.02	27	42
23-09-0101	6765468	1347940	3-67	3	305	17,090	3.50	599	22	14,396	3.77	543	10-71		42	781	-.03	24	43
23-09-0101	6833937	1347940	5-67	3	305	17,330	3.59	622	15	14,920	3.77	562	2-72		42	754	-.02	24	43
23-09-0101	6954350	1347940	8-67	3	301	17,153	3.87	664	25	14,296	3.85	551	10-71		42	798	.01	30	49
23-09-0101	6954352	1347940	8-67	3	305	21,716	3.32	720	22	14,550	3.88	565	1-72		42	1,297	-.08	35	68
23-09-0101	6954354	1347940	10-67	2	305	17,660	3.74	661	14	14,695	3.86	567	3-71		40	791	-.01	27	46
23-09-0101	6954358	1347940	1-68	2	304	16,480	3.96	652	24	14,805	3.74	554	8-71		40	661	.03	28	43
23-09-0101	7103399	1347940	5-68	2	305	19,330	3.66	708	15	15,455	3.94	609	2-72		40	891	-.03	28	50
23-09-0101	7599958	1399824	5-69	1	287	20,190	3.66	738	55	15,070	3.82	576	9-71		36	732	.01	28	45
23-09-0102	6556172	1347940	1-66	4	298	15,155	3.85	583	23	12,672	3.70	469	6-71		44	745	.02	30	47
23-09-0102	6723723	1347940	7-66	3	305	18,366	3.34	614	23	13,080	3.74	489	4-71		42	1,064	-.05	31	58
23-09-0102	6734250	1347940	9-66	3	299	16,343	3.70	605	22	13,433	3.75	504	8-71		42	794	.00	28	47
23-09-0102	6780778	1347940	10-66	4	294	15,842	3.97	629	22	13,912	3.78	526	1-72		44	692	.03	29	45
23-09-0102	6821936	1347940	1-67	3	297	15,533	3.77	586	20	13,126	3.70	486	5-71		42	733	.01	28	45
23-09-0102	6911357	1347940	6-67	3	305	17,706	4.07	720	22	13,230	3.82	505	10-71		42	972	.04	41	63
23-09-0102	6911359	1347940	7-67	3	297	15,346	3.81	585	16	12,606	3.84	484	7-71		42	765	.00	28	46
23-09-0102	7024623	1347940	12-67	2	305	17,935	3.27	587	17	12,950	3.71	480	4-71		40	979	-.05	28	53
23-09-0102	7025430	1347940	8-67	2	305	17,795	3.48	619	22	13,805	3.84	530	1-71		40	886	-.04	26	48
23-09-0102	7025433	1347940	9-67	2	305	16,495	3.35	552	22	13,100	3.83	502	9-70		40	819	-.05	22	43
23-09-0102	7028842	1347940	11-67	2	305	22,000	3.20	703	22	13,830	3.81	527	2-71		40	1,311	-.08	35	68
23-09-0102	7059045	1347940	10-67	2	305	16,950	3.49	592	23	13,585	3.80	516	2-71		40	821	-.03	25	45
23-09-0102	7062894	1347940	12-67	3	294	18,283	3.71	679	17	14,130	3.78	534	2-72		42	945	.00	34	57
23-09-0102	7086909	1347940	1-68	2	305	17,265	3.90	673	20	13,645	3.80	518	8-71		40	847	.02	33	53
23-09-0102	7102397	1347940	2-68	2	305	18,320	3.70	677	19	13,685	3.75	513	2-71		40	950	.00	34	57
23-09-0102	7199869	1347940	5-68	2	299	15,015	4.04	606	23	13,135	3.85	506	9-71		40	665	.02	27	42
23-09-0102	7199870	1347940	7-68	2	292	17,840	3.49	622	21	13,335	3.84	512	8-71		40	934	-.04	28	51
23-09-0102	7217218	1347940	7-68	2	305	15,490	4.45	689	13	13,170	3.80	501	6-71		40	710	.07	36	51
23-09-0102	7250718	1347940	7-68	2	305	18,275	3.89	710	24	14,260	3.83	546	12-71		40	893	.01	34	55
23-09-0102	7272082	1347940	8-68	2	305	18,165	3.69	670	22	13,730	3.82	524	10-71		40	931	-.01	32	54
23-09-0102	7288242	1347940	8-68	1	305	15,340	4.12	632	18	13,010	3.84	500	8-70		36	682	.03	29	44
23-09-0102	7297516	1347940	9-68	1	305	18,890	3.97	750	22	13,830	3.87	535	10-70		36	891	.02	35	56
23-09-0102	7297518	1347940	9-68	1	305	17,940	3.57	641	24	13,790	3.87	533	11-70		36	823	-.02	27	47
23-09-0102	7310925	1347940	9-68	1	305	15,760	4.21	664	20	14,210	3.86	548	12-70		36	632	.03	28	42
23-09-0102	7312527	1347940	10-68	2	304	19,550	3.49	682	22	13,730	3.82	524	10-71		40	1,071	-.04	33	60
23-09-0102	7312530	1347940	11-68	1	305	19,630	3.49	686	20	14,210	3.86	548	12-70		36	921	-.03	29	52
23-09-0102	7353874	1347940	8-68	1	305	19,170	3.58	686	22	13,830	3.87	535	10-70		36	912	-.02	30	52
23-09-0102	7363596	1347940	12-68	1	305	16,120	4.53	730	19	14,140	3.86	546	1-71		36	664	.06	33	47
23-09-0102	7369766	1347940	1-69	1	305	18,280	3.66	669	15	12,880	3.73	481	5-71		36	909	.00	33	55
23-09-0102	7387193	1347940	2-69	1	305	17,300	3.73	646	19	14,140	3.86	546	1-71		36	752	-.01	26	44
23-09-0118	6392783	1320310	11-65	4	305	16,503	3.87	639	27	13,355	3.77	503	10-71		44	902	-.02	30	52
23-09-0118	6419425	1441440	12-65	4	288	18,185	4.05	736	22	13,205	3.76	496	9-71		44	949	.07	45	66
23-09-0118	6498628	1441440	2-66	3	291	16,510	4.35	719	11	14,470	3.75	542	5-71		42	592	.10	37	48

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C D	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
23-09-0118	6525838	1441440	4-66	3	300	19,793	3.24	641	22	13,616	3.66	498	2-71		42	1,058	-.03	33	$ 59
23-09-0118	6665346	1441440	12-66	2	305	20,225	3.32	672	21	13,290	3.75	499	10-70		40	1,062	-.03	34	60
23-09-0118	6802807	1320310	11-66	4	304	18,040	3.41	616	11	14,538	3.76	547	4-72		44	961	-.08	23	48
23-09-0118	7195757	1441440	7-68	1	305	20,580	4.41	908	18	14,160	3.71	526	12-70		36	869	.10	46	64
23-09-0118	7213580	1320310	12-68	1	305	18,340	3.86	708	10	14,840	3.79	562	6-71		36	857	-.03	27	48
23-09-0118	7242250	1441440	2-69	1	305	19,020	3.70	703	13	15,070	3.63	547	2-71		36	692	.03	30	46
23-09-0118	7432606	1337741	5-69	1	305	19,510	3.59	700	19	12,940	3.79	490	8-71		35	771	-.01	27	46
23-09-0118	7453869	1441440	10-69	1	305	20,490	3.41	698	5	16,120	3.58	577	4-72		36	731	.00	27	44
23-09-0119	7049516	1441440	9-67	2	305	18,930	4.19	793	6	15,660	3.87	606	4-72		40	714	.07	37	52
23-09-0119	7235322	1320310	12-67	2	305	18,200	3.37	614	7	14,340	3.62	519	7-71		40	949	-.07	24	48
23-09-0119	7235323	1320310	12-67	2	305	19,190	3.62	694	5	14,435	3.57	515	6-71		40	1,041	-.03	33	59
23-09-0119	7573468	1441440	7-69	1	305	18,440	4.21	776	8	15,520	3.85	598	3-72		36	619	.06	32	45
23-09-0137	6314155	1320310	1-65	5	282	16,178	3.46	560	7	12,994	3.71	482	2-72		44	912	-.06	23	46
23-09-0141	6708448	1347940	6-66	3	305	18,156	4.14	752	16	15,393	3.96	609	7-71		42	800	.03	34	52
23-09-0141	6739975	1347940	8-66	3	305	21,090	3.60	759	16	14,893	4.02	598	4-71		42	1,189	-.04	36	66
23-09-0141	7007616	1399824	10-67	2	305	20,060	4.12	826	22	16,060	4.04	649	3-71		40	748	.05	34	51
23-09-0141	7424905	1458744	4-69	2	305	17,475	4.03	705	14	14,625	4.16	609	3-72		40	741	.00	26	44
23-09-0141	7537658	1427381	10-69	1	305	16,280	4.32	704	15	14,100	3.99	563	9-71		36	927	.08	45	65
23-09-0144	6456057	1430036	3-65	3	305	22,633	3.86	873	20	17,560	3.67	645	11-71		29	768	.05	35	52
23-09-0144	6684337	1347940	1-67	3	305	20,483	3.79	777	12	17,780	3.72	662	2-72		42	821	.02	32	51
23-09-0144	6793497	1347940	2-67	3	288	22,056	3.44	758	9	18,373	3.54	650	5-71		42	940	-.02	31	54
23-09-0144	6973977	1347940	3-67	3	305	22,306	3.46	771	17	17,276	3.77	651	11-71		42	1,082	-.05	32	59
23-09-0144	7169938	1347940	3-68	2	305	19,040	3.58	681	21	16,565	3.64	603	9-71		40	760	-.01	26	44
23-09-0147	7153190	1399824	10-66	2	305	16,105	4.55	732	7	14,400	3.85	555	3-71		40	498	.10	33	42
23-09-0147	7762485	1320310	5-69	1	305	19,420	3.45	670	7	14,570	3.78	551	8-71		36	956	-.06	25	49
23-09-0147	7762486	1320310	7-69	1	305	20,420	3.46	707	16	14,850	3.71	551	1-72		36	1,012	-.06	28	54
23-09-0149	6873144	1320310	9-67	1	305	19,370	3.27	634	5	12,260	3.67	450	6-71		36	1,107	-.07	29	57
23-09-0151	6596709	1320310	9-65	4	305	16,353	3.93	643	18	13,963	3.85	538	3-71		44	816	-.02	27	47
23-09-0151	6596716	1320310	2-66	3	305	17,153	3.70	635	14	13,830	3.88	536	3-71		42	914	-.05	26	49
23-09-0151	6596718	1320310	2-66	4	305	16,633	3.85	641	16	13,643	3.96	540	12-71		44	886	-.03	27	49
23-09-0151	6802806	1320310	11-66	4	303	17,128	3.63	621	15	14,308	3.86	553	3-72		44	874	-.06	23	45
23-09-0301	5172661	1320310	5-60	7	302	18,120	3.61	655	20	14,590	3.66	534	12-71		44	977	-.03	30	54
23-09-0301	5979699	1320310	9-63	7	304	16,581	3.59	596	20	14,471	3.58	518	3-72		44	792	-.03	24	44
23-09-0301	6411503	1454185	11-65	4	305	18,285	3.72	680	15	14,925	3.56	532	6-71		33	606	.05	29	42
23-09-0301	7086925	1320310	4-68	2	305	17,065	3.47	592	27	13,255	3.72	493	7-71		40	933	-.06	25	49
23-09-0303	6266539	1422697	2-65	5	305	18,456	4.01	741	26	15,288	3.80	581	12-71		36	630	.06	32	45
23-09-0306	6218011	1320310	9-64	5	302	17,254	4.03	695	23	14,970	3.72	557	9-71		44	821	.02	32	51
23-09-0306	6232196	1320310	10-64	5	305	17,296	3.57	618	20	15,064	3.66	552	6-71		44	816	-.04	23	44
23-09-0306	6870417	1399824	3-67	3	305	19,083	3.52	671	29	15,543	3.63	564	3-72		42	734	.00	27	44
23-09-0306	6916937	1399824	8-67	3	303	17,577	4.01	705	31	15,150	3.65	553	12-71		42	602	.07	32	44
23-09-0306	7046142	1320310	3-68	2	295	16,635	3.70	615	20	14,200	3.62	514	8-71		40	803	-.03	25	45
23-09-0322	6632924	1347940	8-66	3	292	20,713	4.01	831	13	16,353	3.91	640	5-71		42	995	.03	40	63
23-09-0322	6716662	1347940	2-67	3	305	23,866	3.80	908	14	15,990	3.85	615	10-71		42	1,395	.01	52	85
23-09-0322	6833234	1347940	7-67	3	305	18,026	4.50	811	8	16,276	3.86	628	6-71		42	694	.09	39	53
23-09-0322	6969959	1347940	11-67	2	299	21,930	3.67	805	16	16,145	3.86	623	11-70		40	1,092	-.02	37	63
23-09-0322	7188713	1441440	11-68	2	305	24,185	3.94	952	14	16,460	3.78	622	2-72		40	1,174	.06	51	77
23-09-0322	7425140	1347940	8-69	1	305	21,580	3.87	835	15	15,720	3.87	609	10-71		36	965	.01	36	59
23-09-0412	6341129	1320310	8-64	5	302	19,058	3.55	676	9	16,100	3.67	591	9-71		44	923	-.05	26	49
23-09-0412	6756788	1320310	10-65	5	305	19,802	3.65	723	8	16,338	3.61	590	4-72		44	991	-.02	32	56
23-09-0412	6756791	1347940	2-67	3	280	17,680	3.90	689	12	15,890	3.64	578	7-71		42	694	.03	30	46
23-09-0412	6889338	1347940	5-67	3	300	20,190	3.33	673	8	16,803	3.55	596	2-72		42	888	-.03	27	49
23-09-0412	7542415	1347940	2-70	1	305	19,450	3.67	714	7	17,330	3.54	614	2-72		36	698	.01	27	43
23-09-0415	6597289	1309574	1-66	4	298	17,090	3.97	678	26	14,415	3.73	538	9-71		44	535	.08	31	42
23-09-0415	7478229	1441440	3-68	2	305	18,620	3.74	697	27	14,535	3.77	548	8-71		40	785	.02	32	50
23-09-0415	7753544	1320310	3-69	1	305	19,970	3.36	670	26	14,010	3.80	532	9-71		36	1,034	-.07	26	53
23-09-0417	6855465	1347940	8-66	3	299	17,123	3.92	672	10	14,866	3.63	540	6-71		42	736	.04	32	49
23-09-0417	6967516	1347940	8-67	2	299	16,945	3.58	606	10	14,185	3.74	530	6-71		40	765	-.02	25	44
23-09-0417	7013478	1347940	11-67	2	305	17,920	3.86	692	13	15,090	3.76	567	8-71		40	782	.02	31	49
23-09-0427	6518672	1330987	3-66	4	305	16,523	3.62	598	20	13,150	3.78	497	12-71		44	683	.02	27	43
23-09-0427	7040626	1347940	5-67	3	305	15,290	3.61	552	16	12,683	3.75	475	11-71		42	751	-.01	25	43
23-09-0427	7040632	1347940	1-68	2	305	15,245	4.04	616	10	13,305	3.70	492	1-72		40	673	.04	30	45
23-09-0427	7060467	1347940	4-67	3	305	17,050	3.73	636	18	13,110	3.76	493	1-72		42	909	.00	33	55
23-09-0427	7060470	1347940	1-68	2	305	15,355	3.79	582	11	13,295	3.61	480	7-71		40	685	.02	27	43
23-09-0433	6981738	1360676	1-68	2	305	18,250	3.88	708	25	14,060	3.68	517	6-71		39	849	.04	37	56
23-09-0609	6039400	1189870	12-63	4	305	19,615	4.43	868	11	17,283	3.78	654	6-71		44	523	.11	36	45
23-09-0609	7590714	1406271	12-69	1	305	20,290	4.44	900	19	18,760	3.85	723	12-71		36	555	.10	35	46
23-09-0802	5220885	1189870	11-60	9	305	19,318	3.43	662	17	14,922	3.69	550	1-72		44	771	-.03	23	42
23-09-0826	7130583	1347940	6-68	2	305	16,530	4.07	672	30	14,540	3.86	561	10-71		40	691	.03	29	45
23-09-0826	7181962	1347940	8-68	1	305	17,000	3.78	643	40	14,570	3.87	564	10-70		36	701	.00	25	42
23-09-0826	7206542	1347940	8-68	2	303	17,045	4.09	697	37	15,125	3.80	574	11-71		40	690	.03	30	46
23-09-0828	7164281	1347940	7-68	2	305	15,605	3.86	602	6	13,695	3.55	486	7-71		40	674	.03	29	44
23-09-0829	6633825	1347940	9-66	3	305	19,016	3.87	735	6	15,320	3.57	547	5-71		42	906	.04	39	59
23-09-0902	6607298	1347940	10-65	3	305	17,826	3.57	637	18	15,266	3.79	579	4-71		42	775	-.03	24	43
23-09-0902	6910854	1458744	7-67	2	305	20,565	2.80	576	15	14,485	3.67	531	10-70		40	1,068	-.12	20	49
23-09-0904	6693101	1347940	6-66	4	291	17,502	3.57	624	20	14,490	3.74	542	10-71		44	833	-.02	27	47
23-09-0904	6842828	1347940	4-67	2	305	20,505	3.39	695	21	15,165	3.80	576	10-70		40	1,037	-.05	30	56
23-09-0904	6944370	1347940	10-67	2	305	17,935	3.93	704	17	15,765	3.74	589	1-71		40	721	.03	30	46
23-09-0904	6944372	1347940	11-67	3	301	18,066	3.74	675	18	14,980	3.76	563	12-71		42	832	.00	30	50
23-09-0904	6944373	1347940	11-67	2	299	20,325	3.62	735	16	15,865	3.73	591	12-70		40	955	-.01	33	56
23-09-0904	7182707	1347940	9-68	2	305	17,840	3.55	634	18	14,780	3.81	563	12-71		40	802	-.03	25	45
23-09-0904	7182713	1347940	12-68	1	305	24,520	3.70	907	18	16,090	3.75	603	12-70		36	1,159	.00	42	70
23-09-0904	7312939	1320310	2-69	1	305	18,460	3.28	606	33	14,410	3.82	551	9-71		36	895	-.08	20	44
23-09-0904	7424234	1347940	9-69	1	305	18,830	3.47	654	12	14,740	3.69	544	2-72		36	826	-.02	27	47
23-09-0906	6977252	1399824	2-68	2	305	21,070	4.02	846	27	15,305	3.59	550	2-72		40	919	.08	45	65
23-09-0906	7132876	1427615	9-68	1	305	20,830	3.37	703	23	13,320	3.80	506	8-71		36	1,040	-.13	18	46

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C O	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
23-09-0906	7348771	1399824	7-69	1	305	17,650	4.18	738	29	14,080	3.59	505	1-72		36	609	.07	33	$ 46
23-09-0908	6707206	1347940	8-66	4	300	16,480	4.06	669	38	14,700	3.82	562	11-71		44	683	.04	30	45
23-09-0908	6707207	1347940	9-66	4	305	17,572	3.64	639	41	14,755	3.78	558	11-71		44	812	-.02	27	47
23-09-0908	6707208	1347940	9-66	4	301	18,137	3.86	700	45	14,617	3.78	553	8-71		44	897	.02	35	56
23-09-0908	6707214	1347940	11-66	3	293	18,533	4.03	746	28	15,706	3.86	606	12-70		42	811	.03	34	52
23-09-0908	6879365	1347940	4-67	3	299	16,613	3.89	646	32	15,010	3.73	560	5-71		42	662	.02	27	42
23-09-0908	6879366	1347940	5-67	3	294	19,043	3.42	651	42	14,676	3.80	557	9-71		42	976	-.05	28	53
23-09-0908	6970052	1347940	7-67	3	296	18,526	3.82	707	35	14,820	3.78	560	12-71		42	902	.01	34	55
23-09-0908	6970057	1347940	9-67	3	300	18,706	3.60	673	36	14,723	3.80	560	11-71		42	933	-.02	30	53
23-09-0908	6970058	1347940	9-67	3	282	18,693	3.53	660	23	15,333	3.81	584	3-72		42	868	-.03	26	48
23-09-0908	7202316	1347940	5-68	2	305	18,540	3.51	651	37	14,420	3.74	540	11-71		40	906	-.02	29	51
23-09-0908	7202320	1347940	8-68	2	305	21,275	3.92	835	34	14,340	3.74	537	11-71		40	1,191	.03	48	75
23-09-0908	7218087	1347940	9-68	2	305	17,850	3.30	589	41	14,350	3.74	537	9-71		40	842	-.05	23	44
23-09-0908	7218091	1347940	10-68	2	305	19,690	3.23	636	27	14,920	3.79	566	1-72		40	977	-.07	25	50
23-09-0908	7463494	1347940	5-69	1	305	20,560	3.35	688	24	15,610	3.65	570	4-71		36	896	-.03	28	50
23-09-0908	7463495	1347940	10-69	1	305	18,590	3.54	659	40	14,660	3.59	527	10-71		36	813	.00	29	48
23-09-0908	7463499	1320310	6-69	1	301	16,690	4.07	679	67	15,170	3.56	540	10-71		36	712	.00	26	43
23-09-0908	7538886	1347940	10-69	1	288	17,120	3.74	641	35	14,530	3.60	523	11-71		36	712	.02	28	45
23-09-0908	7538889	1347940	1-70	1	305	16,980	3.79	644	21	14,270	3.72	531	2-72		36	719	.01	27	44
23-09-7018	6793408	1347940	12-66	1	305	19,840	3.53	700	6	14,800	3.70	547	12-71		36	897	-.02	30	52
23-09-7018	6793409	1347940	4-67	1	305	17,990	3.96	713	6	14,800	3.70	547	12-71		36	759	.02	31	48
23-09-7018	7245764	1347940	10-68	1	305	16,360	3.84	629	8	13,910	3.73	519	3-72		36	697	.01	27	43
23-09-7057	6552950	1347940	3-66	1	305	23,240	3.65	848	5	14,640	3.58	524	9-70		36	1,161	.01	43	70
23-10-0030	6154344	1415405	2-64	5	305	21,046	3.51	739	19	15,506	3.69	572	5-71		44	885	-.05	25	47
23-10-0030	6755902	1458744	11-66	3	305	18,300	4.14	757	30	15,720	3.65	574	8-71		42	747	.06	36	52
23-10-0030	6755905	1330987	12-66	3	303	19,790	3.29	652	27	15,523	3.67	570	8-71		42	792	-.02	25	44
23-10-0030	6950365	1399824	10-67	3	305	19,987	3.54	707	19	16,650	3.69	615	12-71		42	723	.00	26	43
23-10-0045	5549199	1244845	3-62	6	297	22,877	3.41	781	14	16,382	3.70	606	8-71		44	1,059	-.07	27	54
23-10-0045	6828270	1399824	1-67	3	305	18,907	3.92	741	13	16,837	3.62	609	10-71		42	580	.07	31	43
23-10-0045	7240213	1460566	11-68	2	305	21,575	3.94	851	12	15,335	3.70	568	1-72		39	686	.02	27	43
23-10-0061	6799267	1320310	11-66	3	305	21,477	3.60	774	9	13,373	3.75	502	3-72		42	1,459	-.05	45	81
23-10-0061	7125988	1399824	5-68	2	305	19,030	3.32	632	7	13,745	3.79	521	3-72		40	855	-.03	26	47
23-10-0080	7102967	1399824	7-67	2	183	25,450	3.67	935	13	16,095	3.63	585	4-71	8	40	1,292	.03	51	81
23-10-0084	6806924	1399824	1-67	3	305	17,853	4.09	731	11	14,647	3.78	554	10-71		42	685	.07	35	49
23-10-0095	7916988	1427381	10-69	1	305	17,280	3.74	646	13	14,100	3.77	532	11-71		36	1,002	.04	42	65
23-10-0099	6484865	1237057	9-65	3	305	21,863	3.36	734	13	15,737	3.72	586	12-71		42	989	-.09	22	48
23-10-0099	7519240	1427381	9-69	1	305	24,280	4.13	1003	16	16,880	3.70	6 4	1-72		36	1,337	.09	63	92
23-10-0104	7468504	1427381	7-69	1	305	19,920	3.54	706	16	15,060	3.53	531	12-71		36	1,134	.04	47	73
23-10-0106	7143144	1393031	12-67	3	296	20,660	3.46	715	21	15,076	3.70	558	12-71		42	924	-.11	17	42
23-10-0106	7785901	1399824	7-68	2	305	17,020	4.37	744	14	13,385	3.77	505	9-71		40	683	.10	39	53
23-10-0111	6967034	1436081	12-67	2	299	22,410	3.79	849	10	15,305	3.75	574	3-72		40	700	.05	33	48
23-10-0113	6837228	1471162	6-66	4	303	18,410	3.83	705	23	14,900	3.66	545	9-71		35	663	.04	30	45
23-10-0120	6331442	1441440	2-65	5	305	17,924	3.87	694	7	15,050	3.71	558	11-71		44	723	.05	33	49
23-10-0123	7422881	1427381	8-69	1	305	19,030	3.84	731	14	15,610	3.65	570	10-71		36	1,031	.06	46	69
23-10-0126	6315855	1441440	3-65	5	266	19,462	3.83	746	17	14,950	3.72	556	10-71		44	933	.04	40	61
23-10-0127	7143276	1406271	7-68	2	305	18,935	4.04	765	7	15,715	3.88	609	9-71		40	724	.07	36	51
23-10-0136	6788516	1399824	12-66	3	297	20,077	4.41	886	7	15,877	3.74	594	10-71		42	814	.13	49	65
23-10-7051	7248061	1320310	1-69	2	305	18,910	3.97	750	11	16,100	3.77	607	1-72		40	860	-.01	30	51
23-11-0002	6754590	1309574	7-66	4	299	18,910	3.72	704	12	14,938	3.86	576	9-71		44	702	.03	30	46
23-11-0002	7258815	1427615	11-68	2	305	21,870	3.32	726	11	15,265	4.02	613	2-72		40	1,138	-.16	16	48
23-11-0012	6177690	1427615	7-63	4	305	16,603	3.79	629	25	12,613	3.77	476	12-71		44	905	-.07	22	45
23-11-0049	7268851	1427615	11-68	2	305	18,450	3.59	662	64	13,780	3.76	518	11-71		40	927	-.10	18	43
23-11-0049	7391880	1534555	7-69	1	305	21,480	3.92	843	45	15,450	3.77	583	1-72		22	755	.02	30	47
23-13-0001	6614427	1347940	2-66	3	293	20,820	3.65	759	6	16,473	3.76	619	4-72		42	995	-.01	34	58
23-14-0005	6311075	1347940	3-65	3	305	21,960	3.62	794	37	15,543	3.73	579	4-71		42	1,222	-.01	42	71
23-14-0005	6393236	1347940	9-65	5	304	19,010	4.01	762	44	15,852	3.77	597	1-72		44	879	.05	39	59
23-14-0005	6527220	1347940	3-66	3	305	20,806	4.00	833	37	15,106	3.75	566	2-71		42	1,135	.05	48	74
23-14-0005	6722918	1289586	1-67	3	305	20,273	3.99	809	48	14,997	3.76	564	2-72		41	786	.03	33	51
23-14-0005	7058703	1348259	1-68	2	305	20,180	3.58	723	44	14,600	3.73	544	7-71		40	834	-.01	29	49
23-14-0005	7240734	1357797	1-69	1	305	19,180	3.80	728	40	14,990	3.81	571	9-71		35	552	.11	36	46
23-14-0020	6306584	1347940	12-64	5	305	17,002	3.76	639	11	14,122	3.70	522	10-71		44	821	.01	31	50
23-14-0020	6737291	1239886	3-65	4	305	18,508	3.83	708	19	14,565	3.73	544	3-72		44	609	.05	29	42
23-14-0020	7554739	010275932	12-67	2	299	22,565	3.41	770	6	15,190	3.81	578	5-71		40	880	-.03	27	49
23-14-0023	5570565	1347940	1-62	5	297	16,216	3.69	598	18	12,844	3.74	480	4-71		44	868	.00	31	52
23-14-0023	6614996	1347940	4-66	2	304	19,335	3.44	666	13	15,570	3.86	601	11-71		40	881	-.04	25	47
23-14-0023	6845461	1347940	4-67	1	305	20,070	4.30	864	15	15,580	3.83	596	11-71		36	862	.05	39	58
23-14-0023	6845462	1347940	6-67	2	295	18,660	4.30	803	14	16,640	3.76	626	3-72		40	715	.07	36	51
23-14-0023	6988589	1347940	10-67	1	305	22,560	3.94	888	15	15,580	3.83	596	11-71		36	1,047	.02	41	65
23-14-0023	7211118	1347940	3-68	2	305	19,515	3.90	762	13	15,670	3.87	606	12-71		40	891	.01	34	55
23-14-0024	5604292	1397561	6-62	8	304	21,840	3.26	713	18	15,914	3.83	609	10-71		44	883	-.08	19	42
23-14-0024	6657613	1347940	9-66	3	305	19,470	4.09	797	24	16,693	3.77	630	6-71		42	817	.05	37	55
23-14-0024	7191581	1493686	7-68	1	305	20,450	3.43	702	18	16,820	3.75	631	7-71		35	717	.01	27	44
23-14-0026	6710675	1399824	10-66	3	302	17,840	3.78	674	46	13,910	3.75	522	10-71		42	760	.03	32	49
23-14-0026	6961641	1399824	8-67	2	305	16,570	3.90	647	53	13,780	3.66	504	9-71		40	602	.05	29	42
23-14-0026	7059236	1399824	1-68	2	305	18,680	3.93	735	45	13,900	3.63	505	7-71		40	805	.06	38	56
23-14-0032	5918358	1352270	9-63	5	304	22,120	3.69	817	10	15,638	3.92	613	8-71		35	993	-.02	33	57
23-14-0032	6295629	975138	1-65	4	305	23,095	4.15	958	16	14,388	3.84	553	4-71		44	1,243	.05	52	80
23-14-0032	6404230	1239242	2-65	5	305	18,904	4.07	769	15	14,706	3.84	565	7-71		44	694	.05	32	47
23-14-0032	6404234	1352270	3-65	3	305	20,790	3.79	788	12	14,146	3.83	542	10-70		32	889	.01	34	55
23-14-0047	6710066	1347940	7-66	3	305	22,410	3.33	747	24	16,323	3.55	580	5-71		42	1,193	-.04	37	66
23-14-0047	6710067	1347940	7-66	4	287	19,075	3.61	689	24	15,575	3.58	558	6-71		44	907	.00	33	55
23-14-0047	6710068	1347940	10-66	1	305	22,690	3.46	784	6	16,620	3.45	573	4-71		36	987	.00	35	59
23-14-0047	6974244	1347940	8-67	2	301	21,740	3.70	804	18	16,615	3.69	613	12-70		40	1,030	.01	38	62
23-14-0053	6791547	1458744	7-66	4	305	17,320	4.10	710	17	14,565	3.91	570	1-72		44	767	.04	33	50
23-14-0053	7122105	1458744	11-67	2	305	18,555	3.82	708	22	14,710	3.96	582	9-71		40	843	-.01	29	49

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C O	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
23-14-0053	7122106	1458744	1-68	3	305	19,626	3.36	660	16	15,936	3.76	599	1-72		42	877	-.06	23	$ 45
23-14-0053	7215741	1458744	7-68	2	305	19,195	4.03	774	21	15,185	3.94	598	12-71		40	865	.02	34	54
23-14-0053	7291944	1466747	3-69	1	305	23,940	3.30	791	23	14,750	3.91	576	9-71		35	846	-.06	22	44
23-14-0066	6638285	1347940	10-66	4	293	19,812	3.45	683	12	16,360	3.55	581	9-71		44	910	-.02	30	52
23-14-0072	6646052	1402118	10-66	4	293	20,720	3.50	725	7	15,188	3.90	593	3-72		43	854	-.07	20	42
23-14-0072	7577809	1399824	12-68	1	305	18,930	3.47	656	11	13,740	3.87	532	7-71		36	727	-.01	25	43
23-14-0073	6678607	1347940	3-66	3	293	16,850	3.85	648	9	14,456	3.80	550	8-71		42	747	.01	28	46
23-14-0073	7310123	1347940	9-68	2	305	18,775	3.49	656	10	14,505	3.94	571	2-72		40	922	-.05	26	49
23-14-0073	7310125	1347940	3-69	1	305	19,960	3.52	703	11	14,520	3.79	551	8-71		36	924	-.02	30	53
23-14-0130	6141374	1347940	10-64	5	303	22,108	3.69	815	9	15,784	3.79	599	6-71		44	1,287	-.01	45	76
23-14-0130	6718904	1347940	1-67	3	304	19,900	3.64	724	8	16,683	3.67	612	12-70		42	867	.00	31	52
23-14-0130	7111099	1347940	8-68	2	305	19,660	3.39	666	8	16,655	3.70	617	12-71		40	815	-.04	23	44
23-14-0130	7138640	1347940	7-68	2	305	20,460	3.57	731	7	16,520	3.84	634	9-71		40	909	-.03	28	51
23-14-0130	7379430	1347940	8-69	1	301	19,140	3.83	733	5	15,910	3.80	604	2-72		36	770	.01	29	47
23-14-0151	7030225	1417208	1-68	2	305	19,005	3.14	597	19	13,605	3.84	523	7-71		40	926	-.07	23	47
23-14-0157	6243630	1189870	3-63	5	305	18,308	4.26	780	29	14,522	3.77	548	10-71		44	687	.09	39	53
23-14-0157	6978681	1357743	2-68	2	305	21,935	3.55	778	39	13,990	3.74	523	10-71		40	910	-.04	26	49
23-14-0157	7590814	1427381	12-69	1	301	17,970	3.36	604	24	15,360	3.67	564	2-72		36	969	.01	37	60
23-14-0164	6139279	1179372	6-64	5	305	19,532	3.92	765	12	16,024	3.58	574	2-71		44	662	.07	34	48
23-14-0165	6399675	1347940	11-65	4	305	17,340	3.70	641	6	13,307	3.64	485	3-71		44	944	.01	35	57
23-14-0165	6606718	1347940	6-66	3	305	15,466	3.85	596	8	13,433	3.68	494	5-71		42	694	.02	28	44
23-14-0165	6708749	1347940	1-67	2	305	15,515	3.73	579	10	13,120	3.68	483	5-71		40	717	.01	27	44
23-14-0165	6715413	1347940	10-66	4	301	16,730	3.93	658	10	13,352	3.74	499	9-71		44	864	.03	36	56
23-14-0165	6789321	1347940	2-67	2	305	18,250	3.42	624	10	13,440	3.74	503	8-71		40	966	-.04	29	53
23-14-0165	6874312	1347940	7-67	2	305	18,055	3.65	659	13	13,605	3.80	517	9-71		40	931	-.01	32	54
23-14-0165	6987970	1347940	11-67	2	305	17,190	3.90	671	13	12,985	3.76	488	7-71		40	900	.02	36	57
23-14-0174	7033557	1397561	12-67	2	305	22,445	3.52	791	13	14,260	3.86	550	10-71		40	931	-.03	29	52
23-14-0179	6315451	1347940	12-64	5	300	16,726	3.96	662	7	13,430	3.66	492	11-71		44	866	.04	38	57
23-14-0179	6609833	1347940	3-66	5	284	16,562	3.94	652	8	14,084	3.66	516	2-72		44	769	.04	34	51
23-14-0179	6993106	1347940	10-67	3	298	16,893	4.01	678	9	15,296	3.71	567	12-71		42	665	.04	30	45
23-14-0181	5436774	1347940	10-61	6	257	19,511	4.14	808	18	17,598	3.74	658	9-71		44	741	.07	38	54
23-14-0181	5531727	1347940	2-62	7	305	19,405	3.58	695	8	17,207	3.73	642	1-71		44	773	-.02	25	44
23-14-0181	6275979	1175471	11-64	6	305	22,823	3.87	883	18	18,252	3.76	687	1-72		44	751	.07	37	53
23-14-0181	6674737	1347940	9-66	4	301	19,257	3.92	755	19	17,162	3.73	640	8-71		44	753	.03	32	49
23-14-0181	6813375	1399824	2-67	3	242	19,770	3.80	752	13	15,347	3.82	586	5-71		42	833	.03	34	53
23-14-0181	6926809	1347940	3-67	2	305	23,265	3.64	848	14	18,035	3.76	678	1-71		40	1,055	-.01	36	61
23-14-0181	6926810	1347940	11-67	3	298	20,513	3.70	758	8	18,303	3.85	704	2-72		42	770	-.02	25	44
23-14-0181	7166555	1347940	9-68	2	302	19,365	3.58	693	23	17,100	3.68	630	9-71		40	745	-.01	25	43
23-14-0181	7285720	1347940	10-68	2	302	20,610	3.51	724	21	17,980	3.77	677	12-71		40	791	-.03	24	44
23-14-0181	7330569	1399824	10-68	1	305	23,190	3.24	751	15	17,990	3.74	673	1-71		36	759	-.03	23	42
23-14-0185	4657849	1157986	8-58	6	305	21,998	4.34	955	34	16,420	4.02	660	11-71		44	754	.08	40	56
23-14-0185	6291798	1321904	4-65	4	305	21,615	3.72	803	33	15,978	4.01	641	2-71		43	871	-.03	27	49
23-14-0185	6440037	1321904	5-65	4	305	20,293	4.18	849	43	16,955	3.96	671	2-72		43	597	.05	29	42
23-14-0185	7368230	1399824	6-69	1	305	22,210	3.71	824	45	16,670	3.84	640	11-71		36	775	.01	30	48
23-14-0195	7113275	1347940	8-68	1	305	20,320	3.50	711	13	15,570	3.69	574	2-71		36	881	-.02	29	50
23-14-0202	7022293	1467405	11-67	3	305	22,663	3.68	833	13	17,110	3.64	622	4-72		42	769	.03	32	53
23-14-0202	7197395	1458744	9-68	2	305	16,450	4.05	667	18	14,880	3.68	547	9-71		40	614	.04	28	42
23-14-0213	6649665	1347940	8-66	3	292	17,246	3.33	574	10	13,390	3.67	491	6-71		42	903	-.04	26	49
23-14-0213	6649667	1347940	9-66	3	305	19,013	3.86	733	21	13,406	3.74	502	12-71		42	1,104	.02	43	69
23-14-0213	6789910	1347940	9-66	4	292	19,562	3.43	671	14	14,565	3.69	537	3-72		44	1,079	-.04	33	60
23-14-0213	6789915	1347940	11-66	3	305	18,710	3.46	647	13	12,690	3.74	474	8-71		42	1,144	-.03	36	64
23-14-0213	6873761	1347940	9-67	2	274	17,275	3.69	637	17	13,410	3.74	502	9-71		40	870	.00	31	52
23-14-0213	7153644	1347940	11-67	3	293	18,376	3.58	658	24	14,853	3.68	546	12-71		42	881	-.01	30	51
23-14-0213	7153645	1347940	11-67	3	283	18,396	3.35	617	17	13,986	3.74	523	9-71		42	973	-.05	28	52
23-14-0213	7153646	1347940	12-67	2	305	20,065	3.51	705	21	13,475	3.70	498	1-72		40	1,147	-.02	38	66
23-14-0213	7153647	1347940	2-68	2	305	15,490	3.66	567	14	12,855	3.72	478	9-71		40	739	.00	26	44
23-14-0213	7346253	1347940	5-69	1	261	17,500	3.47	607	23	13,790	3.73	515	10-71	B	36	790	-.02	26	45
23-14-0215	6502488	1347940	1-66	5	298	18,656	3.33	621	15	15,652	3.64	569	2-72		44	857	-.05	24	46
23-14-0215	6759270	1347940	10-66	3	305	19,370	3.51	680	9	16,023	3.68	589	1-72		42	874	-.02	28	49
23-14-0215	7218178	1347940	7-68	1	305	19,900	3.39	674	11	16,150	3.67	592	3-71		36	811	-.03	25	45
23-14-0219	5941280	1347940	10-63	4	301	16,630	3.97	661	15	12,965	3.70	480	4-72		44	895	.04	38	58
23-14-0225	7673735	1347940	1-70	1	305	17,170	3.92	673	14	14,820	3.54	525	2-72		36	697	.03	30	46
23-14-0226	6569513	1417208	11-65	4	294	18,008	3.73	671	14	13,665	3.59	491	1-71		44	892	.03	37	57
23-14-0237	7243815	1458744	9-68	2	300	18,560	3.55	658	13	15,205	3.64	553	12-71		40	799	-.02	26	46
23-14-0237	7525517	1387978	10-69	1	305	19,140	3.40	651	8	13,470	3.85	518	2-72		36	845	-.04	24	45
23-14-0251	7183090	1387978	9-68	1	305	25,000	3.65	913	19	18,350	3.51	644	11-70		36	954	.00	35	56
23-14-0253	6633622	1347940	8-66	3	289	16,003	3.55	568	19	13,083	3.70	484	5-71		42	791	-.02	26	45
23-14-0265	7312907	1347940	1-69	1	305	21,110	3.78	798	13	16,820	3.59	603	10-70		36	856	.02	34	54
23-14-0265	7375631	1347940	8-69	1	305	21,400	3.90	835	15	16,600	3.44	571	10-71		36	892	.04	39	59
23-14-0271	5531608	1244845	3-62	5	305	19,332	3.24	626	16	13,328	3.77	503	2-71		44	957	-.10	19	45
23-14-0273	6558777	1347940	5-66	4	305	20,762	3.41	707	39	17,370	3.77	655	10-71		44	915	-.06	24	47
23-14-0273	6865418	1347940	9-67	3	305	22,756	3.38	769	38	17,870	3.77	673	1-72		42	1,073	-.06	30	57
23-14-0273	6954216	1347940	8-67	3	305	23,366	3.27	764	37	17,910	3.76	674	12-71		42	1,139	-.08	29	58
23-14-0273	7059944	1447750	11-67	1	305	25,420	3.17	807	46	18,490	3.61	668	10-71		34	832	-.06	21	42
23-14-0273	7156469	1387978	6-68	3	305	19,776	4.07	805	28	18,050	3.70	667	4-72		42	630	.05	30	44
23-14-0273	7261964	1458744	11-68	1	305	22,880	3.71	848	36	17,800	3.63	647	4-71		36	883	.00	32	53
23-14-0273	7457134	1447414	11-69	1	305	21,520	3.44	740	43	18,830	3.65	687	12-71		35	846	-.05	23	44
23-14-0273	7520553	1447414	1-70	1	305	23,100	3.12	721	27	19,050	3.61	688	2-72		35	951	-.08	22	47
23-14-0287	6256364	1347940	11-64	3	305	20,876	3.39	708	15	15,170	3.74	567	11-70		42	1,136	-.04	34	62
23-14-0293	6496620	1347940	10-65	4	301	17,685	3.68	651	9	15,295	3.75	573	12-71		44	766	.00	27	45
23-15-0005	6268422	1436081	12-64	3	305	20,166	3.95	796	14	14,453	3.79	548	8-71		42	628	.07	33	46
23-15-0005	6628471	1309574	8-66	2	305	21,625	3.74	808	14	15,855	3.66	580	1-72		40	817	.06	38	56
23-15-0005	6628472	1309574	9-66	2	305	18,520	3.90	723	16	15,205	3.71	564	11-71		40	561	.07	31	42
23-15-0014	5668506	1189870	2-62	6	284	17,670	4.24	750	27	14,823	3.96	587	7-71		44	570	.06	30	42
23-15-0072	7263712	1347940	9-68	2	274	17,950	3.49	627	9	15,130	3.81	577	1-72		40	781	-.03	23	43

TABLE 3. HOLSTEIN USDA-OHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVED MO-YR	T C O	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
23-15-0122	6668482	1467405	9-66	4	295	22,170	3.41	755	35	16,240	3.58	582	11-71		43	850	-.02	28	$ 44
23-15-0122	6711934	1309574	10-66	3	305	18,017	4.07	734	49	15,413	3.72	574	11-71		42	521	.10	33	43
23-15-0122	6711966	1320310	10-66	2	305	24,935	3.01	751	58	16,710	3.78	631	1-71		40	1,416	-.15	28	66
23-15-0122	6935301	1320310	1-67	3	305	17,557	4.25	747	59	15,923	3.72	592	12-71		42	744	.04	33	50
23-15-0122	6936318	1309574	6-67	3	303	18,813	3.94	742	59	15,397	3.73	574	9-71		42	614	.08	34	46
23-15-0122	7257723	1427615	12-68	2	305	23,290	3.21	747	53	16,470	3.68	606	12-71		40	1,173	-.15	19	51
23-15-0122	7257730	1309574	10-68	2	305	21,055	3.51	738	48	16,410	3.60	591	11-71		40	709	.03	30	46
23-15-0122	7257731	1309574	11-68	2	305	20,340	3.87	787	39	17,215	3.62	624	2-72		40	563	.08	32	43
23-15-0122	7362503	1320310	5-69	1	305	20,450	3.57	731	60	15,960	3.73	596	7-71		36	939	-.05	26	50
23-15-0122	7362504	1320310	5-69	1	305	17,930	3.67	658	69	15,620	3.71	580	8-71		36	775	-.04	22	42
23-15-0218	6194859	1393175	7-64	5	305	23,860	3.44	820	16	15,902	3.80	605	1-71		34	1,232	-.08	32	64
23-15-0231	5851787	1189870	8-62	6	303	20,885	3.62	755	24	15,088	3.80	573	7-71		44	954	-.01	33	56
23-15-0231	6235556	1320310	9-64	3	301	17,827	3.51	625	28	15,350	3.82	586	6-71		42	835	-.07	20	42
23-15-0231	6727204	1399824	5-66	4	300	19,550	3.43	670	33	14,938	3.77	563	11-71		44	883	-.03	28	5[illegible]
23-15-0231	6788711	1399824	3-67	3	303	19,993	3.45	690	38	15,020	3.71	557	11-71		42	893	-.01	30	52
23-15-0231	6944001	1399824	3-67	3	305	17,677	3.80	672	37	15,003	3.73	559	9-71		42	628	.04	28	42
23-15-0231	7411247	1441440	4-69	1	305	19,090	3.91	746	21	15,770	3.64	574	3-72		36	650	.05	31	45
23-15-0240	6534288	1320310	8-64	5	305	17,410	3.69	643	14	14,394	3.93	566	8-71		44	908	-.06	24	47
23-15-0258	6609506	1441440	8-66	4	303	18,792	3.90	732	18	15,632	3.88	606	10-71		44	754	.04	33	50
23-15-0295	5517841	1373928	11-61	7	304	21,006	3.99	839	16	17,753	3.71	659	10-71		34	686	.07	36	50
23-15-0295	5517844	1373928	1-62	9	299	21,613	3.86	835	12	18,111	3.60	652	11-71		34	729	.06	36	52
23-15-0295	6473616	1399824	10-65	5	300	21,546	3.62	779	24	17,800	3.68	655	2-72		44	829	.01	32	51
23-15-0295	7225138	1517137	9-68	2	305	23,940	3.71	889	26	19,275	3.48	671	12-71		29	555	.07	31	42
23-15-0295	7225141	1399824	7-68	2	305	22,645	3.37	764	25	16,850	3.75	632	8-71		40	938	-.03	29	52
23-15-0296	7221030	1347940	11-68	1	305	20,370	3.52	718	19	15,620	3.66	572	8-71		36	881	-.01	30	51
23-15-0296	7221031	1458744	12-68	1	305	21,020	3.37	709	21	15,330	3.67	563	8-71		36	910	-.04	27	50
23-15-0334	6441603	1347940	4-65	4	305	16,920	3.71	628	9	15,062	3.70	558	5-71		44	697	.01	26	42
23-15-0334	6486421	1347940	1-66	4	305	16,142	3.66	590	6	13,802	3.73	515	12-71		44	741	.00	26	44
23-15-0334	6513056	1347940	11-65	2	305	17,135	3.61	618	6	13,070	3.71	485	10-71		40	886	-.01	30	51
23-15-0338	5761097	1189870	1-63	6	305	19,918	3.70	736	17	15,843	3.70	586	12-71		44	742	.01	29	46
23-15-0338	7162087	1399824	9-68	2	294	21,360	3.28	700	19	17,420	3.58	624	1-72		40	755	-.02	24	43
23-15-0341	5481286	1230640	1-62	7	305	20,647	4.57	943	14	17,217	3.86	664	1-72		44	496	.14	38	46
23-15-0341	7197062	1517869	3-68	2	305	23,905	3.57	853	19	17,445	3.80	663	3-72		25	856	-.03	26	47
23-15-0344	6362481	010284567	9-65	5	305	23,914	3.56	851	32	17,540	3.77	662	1-72		32	1,060	-.03	33	59
23-15-0344	6489724	1347940	1-66	3	305	20,873	3.64	759	26	16,413	3.74	614	7-71		42	1,007	-.01	35	59
23-15-0344	6633233	1347940	9-66	3	305	23,383	3.58	836	13	17,810	3.82	680	1-71		42	1,151	-.03	37	65
23-15-0344	6633236	1347940	9-66	2	305	20,670	3.36	695	31	17,100	3.91	669	11-70		40	877	-.06	22	45
23-15-0344	6633237	1347940	9-66	3	305	22,756	3.87	880	34	16,020	3.75	600	8-70		42	1,264	.03	50	79
23-15-0344	6633240	1347940	10-66	4	305	22,397	3.46	776	32	17,580	3.75	660	1-72		44	1,094	-.05	32	59
23-15-0344	6678945	1347940	11-66	3	305	21,026	3.95	831	27	17,550	3.68	645	1-72		42	907	.05	40	60
23-15-0344	6760796	1471963	3-67	3	305	22,447	3.63	814	37	17,483	3.70	646	1-72		29	752	-.01	26	44
23-15-0344	6931156	1347940	11-67	2	303	19,465	3.75	729	42	17,175	3.65	627	12-71		40	748	.01	29	46
23-15-0344	7212165	1399824	11-68	2	305	21,030	4.08	858	31	18,410	3.67	675	1-72		40	631	.08	35	48
23-15-0344	7441038	1393997	10-67	3	264	21,920	3.62	793	47	17,960	3.71	666	12-71	B	42	780	.01	29	47
23-15-0407	5888348	1435202	7-63	5	305	23,194	4.35	1010	30	17,066	4.03	688	10-71		35	1,083	.12	58	8[illegible]
23-15-0407	6580565	010276164	10-62	3	305	23,157	4.02	931	29	17,207	3.96	682	3-71		37	999	.04	42	65
23-15-0407	6862930	1399824	6-67	3	305	21,570	3.69	797	31	17,223	4.02	693	7-71		42	846	-.02	28	49
23-15-0407	6987008	1399824	8-67	3	305	22,120	4.38	969	31	17,483	4.10	716	1-72		42	883	.09	46	64
23-15-0412	6976603	1399824	6-67	3	301	19,987	4.33	866	12	16,040	3.93	631	2-72		42	787	.10	43	59
23-15-0412	7237184	1399824	3-68	2	305	19,910	4.63	921	8	16,165	3.84	620	3-71		40	723	.13	46	60
23-15-0412	7237186	1399824	6-68	2	305	20,100	3.51	705	12	14,610	3.83	560	9-71		40	884	-.01	30	51
23-15-0412	7237188	1399824	9-68	2	305	17,200	4.44	763	14	15,275	3.86	589	10-71		40	529	.09	33	43
23-15-0412	7744793	1399824	6-69	1	264	21,170	3.67	776	10	14,090	3.83	539	9-71	H	36	870	.02	34	54
23-15-0420	6350227	1320310	8-64	6	296	17,678	3.88	686	14	14,180	3.87	549	11-71		44	968	-.02	32	56
23-15-0420	7162528	1309574	10-66	3	305	17,470	4.25	742	15	14,213	3.82	543	12-71		42	582	.11	37	43
23-15-0420	7808859	1320310	5-68	1	305	17,810	3.41	607	16	14,470	3.81	552	6-71		36	843	-.07	20	42
23-15-0423	6827723	1386406	1-67	3	264	20,070	3.55	712	9	15,790	3.70	584	8-71	B	42	744	-.01	26	44
23-15-0432	7228321	1320310	1-69	1	305	17,540	3.11	546	10	13,630	3.65	497	4-71		36	879	-.08	19	42
23-15-0443	6799556	1347940	3-67	3	305	17,286	3.92	677	26	15,550	3.87	602	9-71		42	684	.01	26	42
23-15-0448	5440030	1189870	6-61	5	305	19,034	3.78	719	10	15,150	3.80	575	2-71		44	708	.02	28	44
23-15-0448	5440033	1189870	10-61	7	304	16,939	4.53	767	12	14,841	3.85	572	3-72		44	474	.11	34	42
23-15-0448	6469514	1309574	9-65	4	305	17,865	3.99	713	29	14,818	3.75	555	3-72		44	586	.08	33	45
23-15-0448	7117510	1320310	5-68	2	305	19,460	3.67	715	12	16,730	3.72	622	10-71		40	859	-.04	25	47
23-15-0448	7117512	1399824	7-68	1	305	22,870	3.64	832	15	18,170	3.62	658	12-71		36	724	.03	30	47
23-15-0448	7283271	1320310	11-68	1	305	21,220	3.74	793	16	17,980	3.81	685	3-71		36	861	-.04	25	47
23-15-0457	5412146	1189870	8-60	8	282	18,143	4.13	750	17	14,836	3.75	556	12-71		44	630	.08	34	47
23-15-0457	6484131	1347940	7-65	4	284	16,600	3.98	661	26	14,907	3.72	554	7-71		44	675	.04	3[illegible]	45
23-15-0457	6854608	1406271	10-66	3	305	20,607	3.68	758	15	15,547	3.73	580	6-71		42	966	.03	40	62
23-15-0461	6610897	1347940	9-66	3	305	20,400	3.60	734	20	15,726	3.62	570	8-71		42	1,024	-.01	36	61
23-15-0461	7349357	1309574	1-69	1	305	19,310	3.66	706	20	14,580	3.45	503	5-71		36	585	.06	30	42
23-15-0470	6368749	1237057	8-65	3	302	20,090	3.32	667	37	14,937	3.55	530	7-71		42	868	-.07	20	43
23-15-0470	6947166	1447586	4-67	3	305	20,013	3.46	693	32	15,233	3.56	542	12-71		33	761	-.02	24	43
23-15-0470	7360111	1458744	12-68	1	305	27,550	2.86	788	30	16,260	3.23	526	6-71		36	1,334	-.08	36	7[illegible]
23-15-0470	7360112	1458744	12-68	1	305	18,560	4.32	801	30	16,260	3.23	526	6-71		36	664	.09	37	5[illegible]
23-15-0470	7462364	1458744	8-69	1	305	23,800	2.75	655	34	15,980	3.33	532	11-71		36	1,073	-.08	26	54
23-15-0478	6046819	1316590	11-63	5	305	23,332	3.33	777	35	15,066	3.73	562	11-71		44	1,069	-.05	31	58
23-15-0478	6477982	1347940	2-66	3	305	17,183	3.74	642	44	14,720	3.67	540	9-70		42	758	.01	29	47
23-15-0478	6546743	1451888	10-65	4	305	18,982	3.86	732	45	15,120	3.76	568	11-71		34	702	.02	28	44
23-15-0478	6570482	1448051	5-66	4	305	19,828	3.27	648	43	15,603	3.65	569	1-72		37	991	-.08	23	49
23-15-0478	6627923	1347940	5-65	2	305	19,325	3.38	654	38	15,365	3.63	557	7-71		40	899	-.03	28	5[illegible]
23-15-0478	6652567	1347940	8-66	2	305	19,555	3.18	622	36	14,840	3.67	545	4-71		40	970	-.06	25	5[illegible]
23-15-0478	6652570	1347940	10-66	2	305	19,005	3.35	637	45	14,995	3.63	545	12-70		40	900	-.04	27	49
23-15-0478	6656587	1347940	10-66	2	295	18,000	3.87	696	45	15,485	3.79	587	2-72		40	754	.01	29	47
23-15-0478	6664096	1347940	12-66	3	305	19,293	3.52	679	43	15,366	3.71	570	8-71		42	934	-.02	30	53
23-15-0478	6865635	1347940	5-67	2	305	22,545	3.03	684	41	15,220	3.65	556	12-70		40	1,239	-.09	31	63

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C D	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
23-15-0478	6865637	1347940	6-67	2	305	21,300	3.67	782	40	14,810	3.67	544	5-71		40	1,150	.00	42	$ 69
23-15-0478	7210405	1320310	11-68	1	305	18,630	3.51	654	42	15,940	3.63	578	1-71		36	805	-.05	22	42
23-15-0478	7278077	1347940	11-68	1	305	18,840	3.70	697	38	15,260	3.72	568	3-71		36	791	.00	29	48
23-15-0478	7278078	1347940	1-69	1	305	19,370	3.84	743	48	15,420	3.68	567	7-71		36	820	.02	32	51
23-15-0478	7346815	1347940	1-69	1	305	17,550	3.85	676	48	15,420	3.68	567	7-71		36	685	.02	27	43
23-15-0478	7346816	1347940	4-69	1	305	18,640	3.96	738	37	15,530	3.77	585	2-72		36	758	.02	31	48
23-15-0478	7416951	1347940	10-69	1	305	20,210	3.66	740	49	15,920	3.72	593	1-72		36	849	.00	30	50
23-15-0478	7492517	1458744	10-69	1	305	21,220	3.85	816	31	16,090	3.77	606	3-72		36	874	.01	33	54
23-15-0507	6497845	1399824	12-65	4	305	21,025	3.83	805	11	18,243	4.02	734	12-71		44	697	.00	25	42
23-15-0507	6921572	1347940	9-67	3	305	21,546	4.45	958	15	18,143	3.95	716	3-72		42	905	.09	47	66
23-15-0507	6921574	1347940	11-67	3	290	21,716	3.73	811	16	17,730	3.98	706	10-71		42	968	-.03	31	55
23-15-0507	6921575	1399824	9-67	3	304	19,360	3.89	753	25	16,733	3.94	660	8-71		42	643	.03	27	42
23-15-0507	7139868	1347940	8-68	2	305	19,330	4.08	788	23	17,385	3.95	686	11-71		40	715	.02	29	45
23-15-0515	5451020	1189870	11-61	6	304	19,245	4.27	821	17	15,067	3.78	569	10-71		44	745	.10	42	57
23-15-0515	6269851	1320310	8-64	6	305	18,235	3.26	594	25	14,590	3.72	543	9-71		44	992	-.10	21	47
23-15-0515	6292785	1320310	9-64	6	293	17,463	3.50	612	22	14,387	3.72	535	7-71		44	916	-.06	24	47
23-15-0515	7478704	1491007	7-69	1	305	18,330	3.49	640	11	15,270	3.64	556	2-72		35	756	.00	27	45
23-15-0519	7225145	1489993	8-68	2	305	17,265	3.36	580	12	12,120	3.90	473	9-71		32	794	-.03	24	44
23-15-0539	7523498	1458744	12-69	1	305	20,910	3.50	731	7	15,010	4.06	609	12-71		36	923	-.05	26	49
23-15-0569	6762315	1399824	6-66	3	296	21,067	3.68	775	16	14,190	3.68	522	10-71		42	1,102	.02	43	69
23-15-0569	7051878	1320310	11-67	2	305	16,335	3.58	585	16	13,825	3.59	496	6-71		40	807	-.03	24	44
23-15-0579	6203294	1320310	10-64	5	289	19,018	3.76	716	53	16,042	3.51	563	1-71		44	924	.00	34	56
23-15-0579	6203296	1320310	10-64	5	303	19,224	3.44	662	64	15,550	3.57	555	8-71		44	1,008	-.05	28	54
23-15-0579	6203298	1320310	10-64	4	303	18,675	3.57	667	50	15,543	3.53	549	3-71		44	927	-.03	29	52
23-15-0579	6596067	1320310	7-65	5	294	17,806	3.59	639	90	15,536	3.62	562	11-71		44	827	-.04	24	45
23-15-0579	6596087	1320310	10-65	4	305	18,575	3.30	613	94	15,143	3.59	544	11-71		44	959	-.08	23	48
23-15-0579	6596099	1320310	1-66	3	305	17,537	3.60	631	74	15,647	3.60	563	7-71		42	771	-.03	23	42
23-15-0579	6612897	1320310	4-66	4	305	20,230	3.19	646	88	15,290	3.60	550	1-72		44	1,147	-.10	26	56
23-15-0579	7009132	1320310	9-66	3	305	18,650	3.52	657	71	15,933	3.64	580	6-71		42	869	-.05	24	46
23-15-0579	7009134	1393031	9-67	2	305	21,795	3.84	837	74	15,875	3.73	592	1-72		40	900	-.06	24	47
23-15-0579	7009141	1320310	10-66	3	305	19,620	3.46	679	50	15,843	3.62	573	4-71		42	990	-.06	27	52
23-15-0579	7009143	1320310	10-66	1	305	19,440	3.13	609	83	15,520	3.70	575	1-71		36	894	-.09	19	43
23-15-0579	7009144	1320310	10-66	2	305	17,850	4.06	724	70	16,130	3.69	596	6-71		40	750	.01	29	47
23-15-0579	7009155	1320310	12-66	3	305	19,770	3.54	700	107	15,253	3.63	554	11-71		42	1,068	-.04	32	59
23-15-0579	7009162	1320310	1-67	3	305	19,743	3.57	704	96	15,340	3.64	558	11-71		42	1,056	-.04	32	58
23-15-0579	7009164	1320310	2-67	2	305	19,440	3.78	735	38	15,970	3.66	585	3-71		40	926	-.02	31	53
23-15-0579	7009166	1320310	2-67	3	298	17,150	3.84	658	88	15,307	3.61	553	9-71		42	761	.00	27	45
23-15-0579	7148136	1347940	3-68	2	305	19,610	3.71	728	141	15,820	3.70	586	12-71		40	886	.00	32	53
23-15-0579	7457764	1393031	7-68	2	305	24,455	3.44	842	113	15,570	3.77	587	12-71		40	1,198	-.12	25	57
23-15-0579	7457839	1427615	3-69	1	305	21,730	3.58	778	123	15,870	3.77	599	7-71		36	936	-.10	18	43
23-15-0579	7457844	1427615	7-69	1	305	22,260	3.41	758	166	15,850	3.78	599	9-71		36	977	-.13	16	43
23-15-0579	7457845	1427615	8-69	1	305	23,340	3.46	808	144	15,830	3.77	596	8-71		36	1,059	-.12	20	48
23-15-0579	7561588	1406271	11-69	1	286	19,930	4.16	829	103	17,070	3.77	644	1-72		36	641	.08	35	48
23-15-0579	7584658	1427615	11-69	1	305	23,610	3.37	796	33	16,900	3.85	651	3-72		36	1,007	-.13	16	44
23-15-0580	6888950	1347940	10-67	3	295	18,796	3.70	696	11	14,446	3.68	532	8-71		42	972	.01	36	59
23-15-0580	7006245	1347940	1-68	2	305	18,825	3.53	664	7	14,810	3.54	524	6-71		40	899	.00	32	53
23-15-0580	7006246	1347940	2-68	2	305	18,575	3.53	655	8	14,380	3.53	507	4-71		40	913	-.01	32	54
23-15-0580	7270508	1347940	2-69	2	305	19,880	3.11	618	6	14,515	3.57	518	2-72		40	1,033	-.06	28	54
23-15-0593	5577017	1189870	12-61	5	302	17,490	3.94	689	30	13,900	3.86	536	7-71		44	654	.03	28	43
23-15-0593	6711929	1309574	8-66	2	305	18,315	4.12	754	34	15,590	3.74	583	10-71		40	506	.09	32	42
23-15-0593	6711967	1320310	10-66	3	305	18,563	3.69	685	22	15,650	3.81	596	3-72		42	888	-.04	26	48
23-15-0602	5512355	1189870	10-61	6	305	18,558	3.69	684	9	14,038	3.73	523	6-71		44	776	.01	29	47
23-15-0622	6692245	1347940	8-66	3	296	20,146	3.75	755	26	14,036	3.88	544	11-71		42	1,169	-.01	41	69
23-15-0622	6902312	1383247	6-67	2	305	22,885	3.26	745	37	15,085	3.75	566	10-70		40	1,034	-.11	21	49
23-15-0622	7007931	1347940	10-67	2	305	19,740	3.78	747	20	14,540	3.84	559	12-71		40	1,017	.00	37	61
23-15-0622	7475565	1458744	10-69	1	305	17,080	4.13	705	28	14,470	3.90	565	1-72		36	674	.02	27	43
23-15-0630	6547779	1441440	2-66	2	305	16,725	3.99	667	9	13,075	3.64	476	5-71		40	726	.06	36	52
23-15-0630	6547780	1441440	2-66	4	300	16,420	3.71	610	8	13,375	3.67	491	9-71		44	712	.03	30	46
23-15-0630	6802889	1441440	9-65	3	305	19,233	3.85	741	9	13,533	3.60	487	11-70		42	1,002	.06	45	67
23-15-0630	7051296	1347940	10-67	2	305	17,345	3.43	595	8	13,520	3.60	487	4-71		40	867	-.02	28	49
23-15-0630	7051298	1320310	12-67	2	305	18,055	3.26	589	8	14,170	3.72	527	3-72		40	950	-.09	21	46
23-15-0633	6452076	1436081	1-66	4	305	22,197	3.93	873	10	17,057	3.75	639	6-71		44	639	.08	35	48
23-15-0633	7014901	1478014	11-67	2	305	24,270	3.69	896	20	18,905	3.58	677	2-71		40	849	.04	37	56
23-15-0644	7096932	1320310	1-68	2	305	16,750	3.87	648	7	13,790	3.85	531	3-72		40	852	-.02	27	48
23-15-0646	6721145	1347940	7-66	3	305	21,396	3.43	734	16	14,933	3.76	562	2-71		42	1,220	-.04	37	67
23-15-0646	6732581	1399824	8-66	4	235	17,053	4.29	732	32	14,638	3.83	561	10-71		44	608	.09	35	47
23-15-0646	7271480	1399824	11-68	1	283	18,290	3.69	674	11	13,950	3.80	530	6-71		36	665	.02	27	42
23-15-0648	7583377	1458744	10-69	1	305	19,550	3.98	779	14	16,510	3.78	624	11-71		36	721	.02	29	46
23-15-0666	7164104	1347940	4-68	2	305	16,750	3.68	617	11	14,445	3.74	540	7-71		40	722	-.01	25	42
23-15-0670	6796029	1492632	3-67	3	275	20,646	3.98	821	14	17,846	3.63	647	12-71		35	621	.08	34	47
23-15-0670	6843783	1458744	5-67	2	305	19,405	3.18	618	9	14,290	3.55	508	8-71		40	968	-.06	26	51
23-15-0680	5704278	1391986	10-62	7	305	18,887	3.91	739	82	14,734	3.59	529	1-72		36	866	.07	42	61
23-15-0680	6352080	1320310	3-65	4	304	18,928	3.08	583	80	14,228	3.54	504	8-71		44	1,105	-.11	23	52
23-15-0680	6429254	1458744	10-65	3	299	21,106	3.09	653	83	14,630	3.43	502	1-71		42	1,182	-.07	32	62
23-15-0680	6500189	1347940	10-65	4	303	18,920	3.62	685	114	14,497	3.47	503	12-71		44	1,007	.02	39	62
23-15-0680	6607331	1458744	6-66	3	305	19,376	3.47	672	87	14,813	3.39	502	8-71		42	964	.00	34	57
23-15-0680	6703464	1458744	11-66	3	290	17,846	3.34	596	110	14,960	3.34	500	3-71		42	773	-.01	26	45
23-15-0680	6703465	1458744	12-66	4	304	18,240	3.57	652	117	15,542	3.36	522	1-72		44	772	.02	31	49
23-15-0680	6703480	1391986	12-66	3	305	19,870	3.37	669	97	15,807	3.29	520	4-71		34	815	.01	31	50
23-15-0680	6787084	1399824	2-67	2	305	20,245	2.72	550	87	14,145	3.44	486	6-71		40	941	-.08	21	46
23-15-0680	6889297	1347940	6-67	2	305	19,285	3.03	585	92	14,355	3.43	492	2-71		40	987	-.06	26	51
23-15-0680	7024521	1410510	10-67	2	305	19,245	3.32	639	106	13,860	3.41	473	11-71		30	754	-.03	23	42
23-15-0680	7040419	1347940	11-67	2	305	18,980	3.14	596	132	14,605	3.44	503	11-71		40	933	-.04	27	50
23-15-0680	7068292	1237057	12-67	2	305	22,690	3.01	682	98	14,595	3.46	505	9-71		40	1,102	-.11	23	52
23-15-0680	7214861	1355784	7-68	1	298	20,390	2.94	599	120	14,950	3.06	457	5-71		35	929	-.09	19	44

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C D	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
23-15-0680	7242147	1458744	12-68	1	305	17,800	3.65	649	146	14,330	3.29	472	8-71		36	737	.02	29	$ 46
23-15-0680	7284842	1387978	1-69	1	305	17,930	3.84	689	144	14,630	3.24	474	7-71		36	677	.04	30	45
23-15-0680	7325768	1458744	5-69	1	305	22,250	2.85	635	171	15,130	3.50	529	11-71		36	1,015	-.08	24	50
23-15-0680	7325777	1367353	5-69	1	305	26,080	3.32	865	149	16,210	3.52	571	2-72		35	823	-.01	28	48
23-15-0680	7326435	1458744	1-69	1	305	16,740	4.06	680	146	14,330	3.29	472	8-71		36	658	.05	31	45
23-15-0680	7386269	1458744	6-69	1	305	19,130	3.52	674	171	15,130	3.50	529	11-71		36	782	-.01	27	46
23-15-0680	7460069	1458744	8-69	1	300	23,550	3.55	836	171	15,130	3.50	529	11-71		36	1,112	-.01	39	66
23-15-0680	7526158	1458744	10-69	1	302	18,250	3.87	706	163	15,930	3.53	563	1-72		36	663	.02	27	42
23-15-0680	7562059	1458744	11-69	1	305	21,970	3.30	724	135	16,010	3.53	565	2-72		36	935	-.04	28	51
23-15-0680	7596585	1458744	10-69	1	305	21,490	3.29	708	104	16,080	3.53	568	3-72		36	894	-.03	27	49
23-15-0680	7607750	1458744	3-70	1	305	21,060	3.17	668	135	16,010	3.53	565	2-72		36	867	-.05	24	46
23-15-0685	7209161	1347940	1-69	1	305	15,160	4.04	613	30	13,070	3.62	473	7-71		36	664	.03	29	44
23-15-7063	6798686	1337741	2-67	2	305	20,365	3.88	791	8	16,365	3.90	638	8-71		40	696	.02	28	44
23-16-0017	6318288	1441440	4-65	4	305	21,782	3.65	796	20	16,860	3.72	628	6-71		44	987	.02	38	61
23-16-0017	6637578	1406271	8-66	4	305	18,675	4.07	761	30	16,850	3.91	658	11-71		44	618	.06	32	45
23-16-0017	7193054	1399824	8-68	1	305	23,830	3.72	887	23	16,830	3.92	660	2-71		36	885	.01	34	55
23-16-0045	6351245	1441440	1-65	5	305	17,580	4.07	715	8	13,208	3.62	478	10-71		44	893	.08	45	64
23-16-0089	6633778	1441440	3-66	3	305	20,450	3.70	757	11	15,470	3.56	550	3-72		42	942	.05	41	62
23-16-0093	6722583	1441440	1-67	1	305	22,460	3.46	776	20	17,520	3.60	630	9-71		36	784	.01	30	48
23-16-0093	7066041	1427615	7-67	1	305	22,910	3.49	800	22	17,650	3.55	627	11-71		36	905	-.10	18	42
23-17-0023	7344366	1347940	12-68	1	305	17,380	3.93	683	6	13,100	3.92	513	7-71		36	827	.01	31	50
23-17-0030	6842603	1347940	11-66	4	300	17,535	3.25	570	18	14,817	3.56	527	10-71		44	801	-.05	22	42
23-17-0030	6973707	1347940	12-67	2	305	21,945	3.74	821	13	15,835	3.78	599	5-71		40	1,122	.00	41	68
23-18-0017	5475382	1347940	4-61	8	300	17,355	3.66	635	10	14,923	3.56	532	9-71		44	774	.01	30	48
23-18-0017	6066285	1347940	6-63	7	299	17,325	3.39	587	10	14,692	3.54	520	1-72		44	797	-.02	25	45
23-18-0017	6446880	1347940	10-65	1	305	21,660	3.62	785	11	13,770	3.62	498	10-70		36	1,101	.00	40	66
23-18-0017	6446883	1330981	11-65	4	305	21,068	3.38	712	19	15,035	3.54	532	10-71		44	748	-.02	24	42
23-18-0017	6873829	1347940	11-66	3	302	17,290	3.74	646	12	15,313	3.56	545	11-71		42	709	.02	29	45
23-18-0017	6930453	1347940	12-67	2	305	21,470	3.64	782	9	15,970	3.51	561	7-71		40	1,062	.01	40	65
23-18-0017	7035897	1347940	3-68	2	305	18,230	3.69	672	6	15,570	3.62	564	7-71		40	769	.01	29	47
23-18-0017	7538051	1347940	8-68	2	305	17,445	3.59	626	9	15,070	3.46	522	8-71		40	735	.01	28	45
23-18-0017	7746775	1347940	6-69	1	305	18,780	3.47	651	8	15,620	3.59	561	6-71		36	763	-.01	26	44
23-18-0018	6260522	1199324	10-63	5	305	19,950	3.35	669	38	15,540	3.88	603	2-71		44	1,014	-.09	23	50
23-18-0018	6260532	1190632	8-64	5	303	20,634	3.78	779	26	15,744	3.92	617	6-71	H	44	859	-.08	19	42
23-18-0018	7448134	1347940	12-68	1	305	18,300	3.99	731	41	16,380	3.84	629	7-71		36	676	.02	27	43
23-18-0044	7054510	1347940	4-68	2	305	18,100	3.65	661	20	15,410	3.73	575	1-72		40	771	-.01	27	46
23-18-0057	6420204	1347940	8-65	2	305	20,800	3.54	736	12	16,315	3.59	585	3-72		40	962	-.01	33	56
23-18-0057	6496621	1347940	1-66	4	300	17,530	3.76	660	11	15,722	3.69	580	5-71		44	699	.01	27	43
23-18-0057	6951289	1347940	1-68	2	305	19,320	3.82	738	12	15,900	3.68	585	4-71		40	850	.02	33	53
23-18-0057	7312866	1347940	2-69	2	304	20,920	3.27	685	12	16,210	3.59	582	3-72		40	984	-.05	28	53
23-18-0057	7395857	1347940	10-69	1	305	20,150	3.32	668	21	15,060	3.74	563	9-71		36	902	-.04	27	49
23-18-0060	5697223	1347940	10-62	5	300	19,126	3.73	713	5	16,634	3.66	609	5-71		44	804	.01	31	50
23-18-0060	6232835	1347940	10-64	4	305	19,545	3.60	703	6	15,897	3.64	578	9-70		44	929	.00	33	55
23-18-0060	7145799	1347940	8-68	2	305	18,710	3.86	722	12	15,775	3.66	578	3-72		40	799	.03	33	51
23-18-0060	7379588	1347940	8-69	1	305	19,890	3.73	742	19	14,610	3.79	553	1-72		36	913	.00	33	55
23-18-0062	7249703	1379208	12-68	2	305	21,890	3.93	860	26	17,635	3.73	657	12-71		40	753	.05	34	51
23-18-0075	6825984	1347940	3-67	4	297	18,747	3.74	701	25	14,882	3.80	565	10-71		44	943	.00	34	56
23-18-0075	6942035	1347940	8-67	3	295	15,916	4.13	657	24	14,270	3.79	541	10-71		42	659	.04	30	45
23-18-0075	6945350	1347940	7-67	3	305	19,330	3.60	695	31	14,956	3.79	567	2-72		42	980	-.02	32	56
23-18-0075	7122865	1347940	5-68	3	283	18,523	3.46	640	26	15,693	3.73	586	2-72		42	811	-.03	24	44
23-18-0075	7122866	1379208	5-68	2	294	21,615	3.56	769	32	15,345	3.77	579	2-71		40	935	-.01	32	55
23-18-0075	7470800	1347940	7-69	1	305	19,990	3.95	790	28	16,000	3.68	589	4-71		36	827	.03	34	53
23-18-0094	7115752	1347940	1-68	3	301	18,106	3.76	680	13	14,400	3.66	527	10-71		42	897	.02	35	56
23-18-0094	7115753	1347940	2-68	2	305	17,460	3.65	637	8	13,720	3.64	500	8-71		40	860	.00	31	51
23-18-0094	7229320	1347940	1-69	2	295	18,555	3.69	685	13	14,555	3.68	535	12-71		40	895	.00	33	54
23-18-0098	6496156	1347940	2-66	3	296	19,506	3.42	668	14	15,730	3.75	590	4-71		42	920	-.04	27	50
23-18-0098	6586107	1469311	4-66	4	302	17,525	4.27	749	23	14,515	3.64	528	9-71		43	554	.13	39	49
23-19-0006	7087767	1347940	2-68	2	305	17,420	3.73	650	8	14,020	3.85	540	6-71		40	829	-.01	29	49
23-19-0043	6753708	1347940	1-67	4	293	17,935	3.76	675	9	14,360	3.89	558	12-71		44	901	-.01	31	53
23-19-0043	6954521	1347940	7-67	2	305	17,055	3.73	636	10	13,805	3.87	534	11-71		40	811	-.01	28	48
23-19-0043	7555483	1347940	9-68	2	305	17,405	3.54	616	11	14,095	3.89	549	12-71		40	820	-.04	24	45
23-19-0043	7685174	1347940	8-69	1	305	16,500	3.59	592	8	13,790	3.68	507	9-71		36	716	-.01	25	42
23-19-0090	6900795	1468947	11-66	3	305	20,080	3.66	734	37	14,356	3.94	566	9-71		32	871	-.02	29	50
23-19-0103	5800680	1082891	2-63	6	292	25,327	3.84	973	20	18,983	3.99	757	3-71		44	852	.05	39	58
23-19-0103	6911080	1347940	8-67	2	305	20,890	3.65	762	31	18,145	3.81	692	8-71		40	804	-.02	26	46
23-19-0103	7097369	1347940	2-68	2	305	19,490	3.91	762	24	17,275	3.83	662	9-71		40	741	.02	29	46
23-19-0103	7097370	1347940	3-68	2	305	23,425	3.50	820	24	18,215	3.79	691	2-72		40	1,055	-.04	32	58
23-19-0103	7097371	1347940	6-68	2	304	25,925	3.52	913	27	17,645	3.77	666	7-71		40	1,361	-.03	44	77
23-19-0103	7097374	1347940	6-68	1	305	19,350	3.82	739	23	16,510	4.02	664	8-70		36	746	-.01	25	43
23-19-0103	7145301	1347940	7-68	2	303	22,265	3.56	793	23	17,145	3.84	659	9-71		40	1,035	-.03	32	58
23-19-0105	7170309	1347940	11-66	3	305	17,256	3.80	656	11	15,076	3.72	561	3-71		42	729	.01	28	45
23-19-0138	6415943	1452784	11-65	5	305	25,288	3.44	871	19	19,506	3.66	714	3-72		36	987	-.04	29	54
23-19-0138	6444324	1347940	8-65	3	305	20,876	3.81	795	24	16,806	3.60	605	2-71		42	967	.03	40	62
23-19-0138	6479573	1347940	10-65	2	305	26,215	3.80	997	9	20,075	3.64	731	2-72		40	1,168	.02	46	73
23-19-0138	6570810	1347940	2-66	4	305	21,865	3.37	736	15	18,120	3.68	667	10-71		44	968	-.05	27	51
23-19-0138	6642654	1469311	11-66	3	305	26,020	3.39	882	11	19,100	3.69	705	1-72		42	1,043	-.02	35	60
23-19-0138	6718979	1347940	11-66	2	305	21,435	3.96	849	11	19,695	3.64	716	3-72		40	718	.05	33	49
23-19-0138	6752580	1206797	6-66	3	305	24,533	3.58	878	9	19,353	3.64	705	3-72		42	868	-.01	30	51
23-20-0036	7203111	1493686	1-68	3	302	18,663	3.70	691	6	15,016	3.88	582	4-72		42	817	.02	32	51
23-20-0036	7696313	1427381	11-69	1	305	17,420	3.65	636	12	15,050	3.83	576	2-72		36	949	.03	39	61
23-20-0062	6686812	1469860	8-66	4	302	20,020	4.04	808	38	16,030	3.92	629	8-71		30	632	.04	29	43
23-20-0062	6791869	1402118	12-66	3	305	20,607	4.45	917	38	16,390	3.95	648	1-72		42	674	.08	36	50
23-20-0062	7226537	1441440	8-68	2	305	20,170	3.95	796	37	17,045	3.98	678	12-71		40	713	.03	30	46
23-20-0062	7226543	1399824	10-68	1	305	22,000	3.96	871	25	16,620	3.92	651	7-71		36	763	.04	33	50
23-20-0062	7471429	1399824	9-69	1	305	20,980	4.08	857	38	17,360	3.97	690	10-71		36	637	.05	30	44

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C O	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
23-20-0065	6598415	1441440	8-66	3	300	17,683	3.96	700	17	15,463	3.58	554	11-71		42	624	.08	34	$ 47
23-20-0066	5782282	1350190	6-62	6	303	19,545	4.02	785	11	15,350	3.70	568	2-71		44	762	.02	31	49
23-20-0066	7421735	1427381	9-69	1	305	20,890	3.81	795	14	15,010	3.83	575	12-71		36	1,210	.05	51	78
23-20-0079	6689151	1393031	12-66	3	303	26,133	3.27	855	5	16,496	3.72	613	3-71		42	1,407	-.14	28	66
23-20-0109	5928586	1300014	9-63	6	305	19,500	3.58	698	21	14,352	3.78	543	3-71		44	903	-.08	21	45
23-20-0109	7056366	1441440	2-68	3	293	19,920	3.50	697	31	15,960	3.65	582	12-71		42	830	.00	30	50
23-20-0109	7056367	1320310	2-68	3	300	17,987	4.22	759	32	16,020	3.65	585	12-71		42	784	.04	35	52
23-20-0109	7274865	1320310	2-69	1	305	22,850	3.28	749	34	16,470	3.66	603	10-71		36	1,084	-.08	27	55
23-20-0109	7543699	1441440	2-70	1	302	21,000	4.06	853	39	16,890	3.61	609	12-71		36	718	.07	37	52
23-20-0120	6950524	1489412	11-67	3	305	21,716	3.84	834	19	16,010	3.84	614	3-72		32	882	.01	34	55
23-20-0130	6531965	1350190	3-66	4	305	19,785	3.59	710	30	15,113	3.63	548	7-71		44	797	-.04	22	42
23-20-0133	6034621	1427615	1-64	5	301	18,990	3.28	623	23	13,820	3.79	524	3-71		44	1,087	-.15	16	46
23-20-0140	6835941	1399824	4-67	3	305	18,320	3.98	729	15	12,310	3.74	461	1-72		42	981	.06	44	66
23-20-0146	5952465	1404795	11-63	5	305	24,156	3.71	897	58	14,932	3.58	535	3-71		44	1,049	.03	42	66
23-20-0146	6214198	1435806	9-64	2	305	20,415	3.51	716	57	14,335	3.59	515	1-72		32	815	-.04	24	44
23-20-0146	6214200	1435806	9-64	4	297	20,460	3.42	699	47	15,055	3.55	535	4-71		36	873	-.05	24	46
23-20-0210	7250423	1441440	6-68	1	305	19,290	4.10	791	18	15,680	3.72	583	11-70		36	671	.07	34	48
23-20-0210	7287485	1309574	9-68	1	305	21,620	3.44	743	8	15,300	3.92	600	4-71		36	708	.01	27	44
23-20-0263	7512608	1427381	6-69	1	294	15,270	3.90	596	33	12,720	3.89	495	9-71		36	945	.05	41	62
23-20-0277	7470995	1441440	11-69	1	305	18,900	3.74	706	6	15,130	3.95	598	3-72		36	679	.01	26	42
23-20-0279	6988327	1387978	3-68	2	305	19,420	3.34	648	11	15,845	3.57	566	6-71		40	781	-.04	22	42
23-20-0279	7147607	1387978	9-68	2	305	19,570	3.06	598	20	15,065	3.60	543	2-72		40	868	-.08	19	42
23-20-0280	7181223	1309574	2-67	2	305	20,215	3.49	705	8	15,655	3.69	577	9-71		40	692	.02	28	44
23-20-0280	7257768	1441440	7-68	2	305	20,860	3.69	769	6	18,260	3.59	655	12-71		40	672	.04	30	45
23-20-0297	6844817	1347940	10-66	4	298	21,410	3.12	668	22	16,847	3.61	609	10-71		44	1,054	-.08	25	52
23-20-0297	6923301	1244845	6-67	3	305	21,847	3.98	870	26	17,343	3.51	609	12-71		42	755	.04	34	51
23-20-0297	7319168	1347940	10-68	1	305	20,270	4.08	827	22	17,340	3.58	620	10-70		36	759	.05	35	52
23-20-0297	7597960	1347940	11-69	1	305	23,620	3.56	842	23	17,880	3.40	608	12-71		36	972	.01	37	60
23-20-0299	6688932	1486579	10-66	3	305	22,690	3.31	750	23	17,050	3.57	609	3-71		29	842	-.05	22	44
23-20-0299	6819528	1261857	1-67	3	303	18,820	3.48	655	22	16,897	3.59	606	11-71		42	641	.04	29	43
23-20-0308	6900254	1399824	11-67	3	305	19,550	3.99	781	13	15,070	3.58	540	10-71		42	837	.08	42	60
23-20-0320	6832314	1315578	2-67	2	305	17,900	4.32	774	18	14,490	3.82	553	10-71		40	508	.15	41	49
23-20-0320	7018830	1458744	10-67	2	305	17,985	4.03	725	14	14,625	3.90	571	11-71		40	793	.02	31	49
23-20-0320	7018831	1458744	11-67	3	305	19,566	3.98	779	14	14,726	3.82	562	11-71		42	995	.03	40	63
23-20-0320	7132368	1458744	8-68	2	304	17,275	3.95	682	17	13,915	3.80	529	8-71		40	786	.02	31	49
23-20-0328	6957615	1377954	6-67	2	305	17,765	4.33	770	18	13,640	3.85	525	7-71		40	764	.08	40	56
23-20-0334	7448654	1417208	8-69	1	305	21,970	3.34	733	19	16,250	3.75	610	11-71		36	851	-.03	26	47
23-20-0335	4985447	1350474	12-59	6	305	18,873	3.30	623	28	14,087	3.37	475	5-71		39	823	-.03	25	45
23-20-0346	7102972	1399824	11-67	3	296	18,357	3.22	592	8	13,713	3.78	518	2-72		42	840	-.05	23	44
23-20-0354	6761775	1399824	1-67	3	305	21,153	3.48	736	20	15,153	3.72	564	11-71		42	1,012	-.01	35	59
23-20-0354	6993628	1261857	12-67	2	292	20,295	4.36	885	7	16,175	3.75	607	6-71		40	841	.14	52	68
23-20-0354	6993629	1261857	12-67	2	296	18,950	3.81	722	8	15,720	3.91	614	3-71		40	746	.05	35	51
23-20-0354	7121840	1261857	9-68	2	305	19,980	3.76	751	23	15,965	3.51	560	11-71		40	828	.09	43	60
23-20-0355	6905100	1493686	11-67	2	305	16,830	3.87	652	17	14,045	3.82	537	10-71		40	679	.04	31	46
23-20-0380	7025103	1399824	1-68	2	299	17,575	3.45	606	10	12,580	4.01	504	8-71		40	813	-.03	25	45
23-20-0383	6691985	1348259	11-66	2	302	18,040	3.43	618	14	12,635	3.49	441	3-71		40	796	.00	28	47
23-20-0386	6475680	1441440	9-65	1	305	29,330	4.14	1213	38	16,020	3.52	564	11-71		36	1,396	.10	66	96
23-20-0386	6716985	1261857	1-67	1	305	20,750	3.61	749	20	16,730	3.42	572	5-71		36	748	.07	38	54
23-20-0386	7396714	010288790	8-66	2	305	17,230	4.11	708	20	14,415	3.45	498	7-71		38	551	.13	40	49
23-20-7133	6464805	1300014	1-63	3	305	19,370	3.61	700	13	14,040	3.76	528	10-71		42	858	-.07	20	42
23-20-7137	6443764	1441440	7-65	2	292	16,955	3.78	641	16	14,130	3.63	513	6-71		40	653	.04	30	44
23-20-7137	6524115	1459576	8-65	3	305	19,830	3.42	679	16	14,207	3.67	521	11-71		32	830	-.07	20	42
23-20-7137	6574351	1441440	5-66	2	301	16,630	4.44	738	12	13,935	3.66	510	6-71		40	638	.11	40	52
23-21-0006	7410255	1417208	9-69	1	305	18,360	3.71	681	17	13,990	4.14	579	9-71		36	733	-.02	24	42
23-21-0020	6523710	1441440	6-65	5	305	20,524	3.70	760	19	15,294	3.77	577	3-72		44	1,030	.02	40	64
23-21-0020	6523714	1441440	11-65	4	300	17,335	3.63	630	37	14,662	3.78	554	10-71		44	682	.01	26	42
23-21-0020	6868851	1441440	2-67	3	305	17,206	4.42	760	40	14,946	3.73	557	9-71		42	623	.12	40	52
23-21-0020	6868852	1347940	2-67	3	281	18,456	3.64	671	36	15,356	3.70	568	12-71	8	42	838	-.01	29	49
23-21-0020	7459770	1441440	7-69	1	305	18,200	4.26	776	35	16,170	3.63	587	11-71		36	557	.08	32	43
23-21-0026	6725461	1441440	1-67	2	305	15,360	4.39	674	16	12,790	3.89	498	9-71		40	614	.09	35	47
23-21-0030	6889096	1441440	8-67	2	305	23,465	3.60	844	16	17,080	3.69	630	1-72		40	1,045	.02	40	64
23-21-0030	6889097	1441440	10-67	2	282	19,780	3.56	705	20	16,565	3.75	622	11-71		40	718	.00	26	43
23-21-0030	7002520	1441440	11-67	2	305	20,250	3.74	757	20	15,810	3.80	601	10-71		40	834	.02	33	52
23-21-0030	7118680	1337741	6-68	2	305	19,985	3.67	733	20	15,685	3.84	603	8-71		40	720	-.01	25	42
23-21-0030	7453774	1309574	10-69	1	305	21,970	3.48	765	22	16,800	3.63	609	11-71		36	634	.03	28	42
23-21-0045	7180308	1387978	10-68	1	305	19,180	4.21	808	23	15,910	3.78	601	2-71		36	684	.04	30	45
23-21-0057	6479959	1309574	1-66	2	305	18,815	4.39	826	18	16,205	3.91	633	8-71		40	500	.11	35	44
23-21-0057	6595097	1270143	8-61	4	305	24,443	4.15	1014	11	17,633	3.99	703	1-72		44	943	.08	46	66
23-21-0060	6365684	1273756	5-65	4	300	19,720	4.08	805	27	17,153	3.68	632	4-71		44	650	.10	38	51
23-21-0060	6545071	1273756	2-66	3	305	20,047	3.81	763	26	16,693	3.64	608	1-71		42	718	.05	34	50
23-21-0060	6808026	1347940	1-67	3	299	21,596	3.65	788	26	17,283	3.69	638	5-71		42	1,000	-.01	35	59
23-21-0060	6980861	1347940	12-67	3	303	22,643	3.74	846	26	17,326	3.66	634	3-72		42	1,116	.02	43	69
23-21-0060	7176842	1347940	3-68	2	305	19,975	3.79	757	23	16,930	3.70	627	10-71		40	822	.02	32	51
23-21-0060	7315955	1355784	12-68	1	305	22,720	3.72	846	22	17,790	3.58	637	8-71		35	912	-.05	25	48
23-21-0065	6478672	1309574	2-66	2	305	20,885	3.90	814	10	16,415	3.78	621	3-71		40	691	.07	35	50
23-21-0066	7222245	1320310	1-69	1	305	19,580	3.52	689	15	14,470	3.60	521	6-71		36	975	-.05	28	53
23-21-0085	7013422	1309574	1-68	2	305	17,785	3.92	698	31	13,585	3.89	528	11-71		40	635	.06	32	45
23-21-0086	6796604	1438535	11-66	4	304	18,095	3.89	703	15	15,047	3.86	581	3-72		42	699	.05	32	47
23-21-0089	6793072	1261857	4-67	3	305	19,663	3.93	773	70	14,623	3.79	554	10-71		42	973	.08	48	69
23-21-0089	7139983	1309574	4-68	2	305	18,235	4.00	729	56	14,270	3.81	543	6-71		40	618	.07	33	46
23-21-0089	7236137	1417208	6-68	2	305	19,055	3.66	698	55	14,250	3.83	546	9-71		40	873	.00	31	52
23-21-0089	7365977	1320310	6-69	1	305	17,870	3.36	601	72	14,100	3.78	533	6-71		36	872	-.07	21	44
23-21-0089	7391398	1330987	8-69	1	305	18,110	4.37	791	79	15,550	3.72	579	12-71		36	517	.10	33	43
23-21-0089	7457088	1427615	10-69	1	305	21,240	3.44	730	72	15,310	3.78	578	12-71		36	937	-.12	16	42
23-21-0091	6672523	1399824	10-66	3	296	20,383	3.77	768	12	17,797	3.46	616	12-71		42	650	.06	33	47

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C O	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
23-21-0105	7197599	1496245	9-68	1	305	20,140	3.49	702	26	14,510	3.70	537	2-71		30	732	-.02	24	$ 42
23-21-0106	6837642	1458744	3-67	1	305	19,080	3.69	704	8	14,050	3.58	503	5-71		36	851	.00	31	51
23-21-0106	6939943	1320310	9-67	2	304	17,825	4.08	727	12	14,795	3.75	555	11-71		40	869	.01	33	53
23-21-0106	7324476	1320310	12-68	1	305	24,060	3.40	817	9	16,060	3.63	583	2-71		36	1,202	-.06	34	64
23-21-0107	6949589	1337741	10-67	3	303	18,717	4.06	759	17	15,947	3.84	612	2-72		42	601	.05	29	42
23-21-0107	7140643	1427615	9-68	1	305	21,320	3.50	746	14	13,070	3.84	502	5-71		36	1,094	-.11	22	51
23-21-0107	7375880	1399824	1-69	2	305	19,380	3.79	734	19	16,045	3.76	603	1-72		40	680	.03	29	44
23-21-0111	6900640	1320310	9-66	4	281	19,413	3.80	737	14	15,718	3.93	617	3-72		44	999	-.04	30	55
23-21-0111	7524632	1399824	10-69	1	305	17,760	4.44	789	25	14,930	3.82	570	8-71		36	560	.09	33	44
23-21-0111	7524654	1526128	10-69	1	305	22,950	3.28	753	35	14,740	3.84	566	9-71		31	1,248	-.12	26	59
23-21-0137	6297758	1399824	2-65	3	305	19,707	3.94	776	14	15,703	4.18	657	2-72		42	789	.01	30	49
23-21-0194	7167085	1347940	6-68	2	273	17,995	3.61	649	8	14,460	3.69	533	10-71		40	847	-.01	29	49
23-21-0239	5844530	1189870	10-60	7	305	19,354	3.50	677	11	13,340	3.86	515	5-71		44	960	-.04	29	53
23-21-0239	6791789	1320310	1-67	1	305	18,040	3.77	681	23	15,170	3.76	571	7-71		36	813	-.03	24	44
23-21-0257	6363633	1320310	3-65	2	305	15,910	3.61	574	18	13,190	3.90	515	2-72		40	822	-.06	21	42
23-21-0257	7095272	1320310	3-68	1	305	16,200	4.09	663	25	13,450	3.80	511	11-71		36	791	-.01	27	46
23-21-0257	7443854	1427381	10-69	1	299	15,520	4.01	622	23	13,000	3.85	500	10-71		36	945	.06	43	64
23-21-0257	7443859	1458744	12-69	1	305	17,900	4.11	736	24	13,710	3.79	519	12-71		36	786	.02	32	50
23-21-0257	7626430	1427381	2-70	1	305	18,530	3.77	699	22	13,260	3.81	505	11-71		36	1,151	.04	48	74
23-21-0277	6162516	1337741	8-64	4	305	20,993	3.46	726	38	15,898	3.76	597	7-71		43	907	-.04	27	50
23-21-0277	6565809	1441440	12-65	2	305	22,305	3.25	725	33	17,525	3.69	646	2-72		40	886	-.04	26	48
23-21-0277	6654888	1360676	7-66	3	305	18,723	4.52	847	52	16,457	3.79	623	11-71		41	693	.13	44	57
23-21-0277	6654896	1309574	9-66	3	305	21,990	3.45	759	46	16,967	3.78	641	12-71		42	817	.00	29	49
23-21-0277	6654898	1309574	8-66	2	305	23,040	3.58	824	30	16,860	3.67	619	5-71		40	869	.03	36	56
23-21-0277	6967088	1337741	10-67	2	305	21,945	3.76	825	33	17,305	3.66	633	2-71		40	771	.03	32	50
23-21-0277	6967096	1441440	8-67	3	282	18,993	3.98	755	48	16,430	3.81	626	11-71	B	42	675	.05	32	47
23-21-0277	6967101	1320310	11-67	3	305	20,063	3.50	703	43	16,937	3.78	640	1-72		42	928	-.07	23	47
23-21-0277	7164811	1399824	8-68	2	305	22,280	3.32	740	53	16,890	3.79	640	12-71		40	897	-.04	26	48
23-21-0277	7368898	1427615	11-68	2	305	21,430	3.59	769	47	16,925	3.82	647	1-72		40	942	-.11	17	42
23-21-0277	7368899	1427615	11-68	2	305	22,815	3.13	714	47	16,925	3.82	647	1-72		40	1,083	-.18	11	42
23-21-0304	5432674	1372876	10-61	4	305	20,533	3.41	700	127	14,548	3.82	556	2-71		35	1,106	-.08	28	56
23-21-0304	5848793	1189870	7-63	7	303	18,410	3.89	716	128	14,510	3.80	552	1-72		44	702	.03	30	46
23-21-0304	6346568	010255163	3-63	5	304	23,678	3.28	776	98	15,390	3.63	558	1-72		44	964	.01	37	60
23-21-0304	6431228	1336050	8-65	5	299	17,896	3.57	639	154	14,808	3.75	556	11-71		44	808	-.02	26	46
23-21-0304	6611105	1336050	7-66	3	305	17,533	3.40	596	127	14,443	3.70	534	9-71		42	775	-.03	23	42
23-21-0304	6808803	1336050	2-67	2	305	15,900	3.89	618	147	13,390	3.70	495	10-71		40	678	.02	28	44
23-21-0304	7066741	1438535	2-68	2	305	17,190	3.72	640	118	14,225	3.66	520	6-71		38	630	.04	29	43
23-21-0304	7430934	1438535	7-69	1	305	18,200	3.59	654	129	14,240	3.64	518	1-72		34	648	.03	28	43
23-21-0304	7478271	1438535	9-69	1	300	20,460	3.10	634	155	13,180	3.66	483	10-71		34	895	-.02	29	51
23-21-0304	7551121	1438535	1-70	1	305	19,860	3.28	652	83	13,640	3.67	500	3-72		34	817	.00	29	49
23-21-0304	7615923	1438535	4-70	1	305	20,430	3.24	662	56	13,670	3.68	503	4-72		34	859	-.01	29	50
23-21-0310	6456259	1441440	4-65	4	281	20,455	3.59	734	13	15,942	3.85	614	2-72	B	44	925	-.01	32	54
23-21-0314	7062423	1347940	2-68	2	305	17,510	3.67	642	15	15,450	3.61	558	7-71		40	707	.00	26	43
23-21-0314	7219805	1399824	11-68	1	305	21,220	3.50	742	31	16,850	3.61	608	11-71		36	689	.01	26	42
23-21-0314	7487888	1427381	10-69	1	305	18,990	3.70	702	29	17,000	3.59	610	11-71		36	935	.05	41	62
23-21-0344	7096437	1347940	6-68	1	305	17,880	3.52	630	21	13,650	3.77	514	8-70		36	828	-.02	27	47
23-21-0362	6892938	1347940	7-67	1	305	18,710	3.43	642	11	15,710	3.74	588	8-71		36	752	-.03	23	42
23-21-0377	6793125	1261857	3-67	3	305	20,363	3.68	750	32	14,360	3.68	528	10-71		42	1,081	.06	48	72
23-21-0377	7062091	1261857	6-67	3	305	19,000	3.95	750	34	14,307	3.68	526	11-71		42	930	.09	48	68
23-21-0378	6369874	1347940	9-65	3	297	18,546	3.64	676	7	16,126	3.75	604	2-71		42	769	-.01	26	45
23-21-0378	6470175	1347940	10-65	2	305	19,145	3.67	702	9	17,265	3.50	604	8-70		40	707	.02	28	44
23-21-0378	6765427	1347940	1-67	2	296	18,670	3.77	703	9	16,405	3.74	613	3-71		40	738	.00	27	45
23-21-0378	6887702	1347940	9-67	2	301	18,385	3.64	670	17	16,285	3.67	598	10-70		40	720	-.01	25	42
23-21-0381	6833583	1300014	11-65	3	305	21,817	3.40	741	11	15,620	3.83	599	2-71		42	976	-.11	18	44
23-21-0385	6329332	1441440	4-65	2	302	17,610	3.63	639	7	15,090	3.54	534	4-71		40	632	.03	28	42
23-21-0390	6995416	1320310	11-67	3	300	18,563	3.08	571	9	14,247	3.84	547	12-71		42	1,033	-.13	17	45
23-21-0390	7122809	1320310	9-67	2	305	17,635	3.24	571	7	14,555	3.65	531	3-71		40	872	-.08	19	42
23-21-0402	6958247	1377954	8-67	3	304	18,737	3.69	692	8	15,523	3.72	578	12-71		42	724	.01	28	45
23-21-0404	7269604	1495738	2-69	1	305	22,690	3.06	694	9	13,530	3.64	492	6-71		19	862	-.08	19	42
23-21-0405	6990470	1309574	7-67	3	305	19,933	3.86	770	36	15,823	3.84	608	10-71		42	699	.06	34	49
23-21-0409	7313905	1320310	1-69	1	301	16,340	4.02	657	8	12,870	3.91	503	10-71		36	840	-.02	27	48
23-21-6003	7543984	1458744	7-69	1	305	19,840	3.80	753	18	15,320	3.85	590	11-71		36	822	.00	29	49
23-21-7099	6256463	1330987	1-65	3	305	16,620	3.54	589	14	12,817	3.57	458	6-71		42	708	.03	30	46
23-22-0003	6455067	1309574	10-65	4	302	21,218	3.65	775	39	17,770	3.55	631	3-71		44	672	.06	33	47
23-22-0003	6628000	1320310	5-66	4	299	18,773	3.78	710	36	16,193	3.66	593	9-71		44	867	-.01	29	50
23-22-0003	6665441	1320310	8-66	4	302	21,113	3.46	731	49	17,000	3.63	617	11-71		44	1,066	-.06	29	56
23-22-0003	6722884	1309574	11-66	3	305	19,127	3.79	725	45	16,423	3.57	586	8-71		42	544	.08	31	42
23-22-0003	6727281	1309574	12-66	4	289	21,745	3.31	720	48	17,763	3.55	631	11-71		44	738	.00	26	44
23-22-0003	6959889	1320310	10-67	3	305	20,813	3.27	680	31	18,407	3.57	657	3-72		42	862	-.08	19	42
23-22-0003	7225574	1309574	9-68	2	305	20,930	3.56	746	45	16,700	3.63	607	11-71		40	670	.03	29	44
23-22-0016	6498014	1397209	12-65	4	292	20,990	3.47	729	28	16,252	3.85	625	12-71		44	892	-.07	22	45
23-22-0016	7078866	1427381	6-68	1	305	20,290	4.06	824	28	16,240	3.92	637	8-70		36	1,083	.06	49	73
23-22-0016	7410818	1427381	4-69	1	305	18,530	4.88	905	26	16,970	3.96	672	2-72		36	903	.13	52	70
23-22-0016	7461309	1427381	9-69	1	305	20,980	3.90	818	27	16,860	3.90	658	1-72		36	1,093	.05	47	72
23-22-0020	5669627	1378324	8-62	5	305	20,544	3.68	755	20	15,950	3.64	581	5-71		36	912	.02	36	57
23-22-0020	6929162	1378324	7-67	2	305	19,060	4.13	787	26	16,000	3.69	590	12-70		31	611	.08	34	46
23-22-0020	7208101	1366229	11-68	1	305	26,680	3.22	859	26	17,410	3.75	653	3-71		36	775	-.01	27	46
23-22-0074	6772339	1494762	8-66	4	305	20,835	3.52	733	20	15,423	3.73	575	11-71		30	839	-.03	25	46
23-22-0095	6622735	1415405	7-66	2	305	19,130	3.97	759	17	13,825	3.49	483	9-71		40	700	.03	30	46
23-22-0096	6825402	1309574	11-66	4	303	19,468	3.56	693	17	15,903	3.70	588	3-72		44	664	.02	27	42
23-22-0096	6998290	1473660	2-68	2	303	20,475	3.66	749	14	15,540	3.70	575	2-72		32	786	-.02	26	45
23-22-0096	7533282	1427381	11-69	1	305	20,420	3.96	809	20	15,910	3.71	590	2-72		36	1,115	.07	51	76
23-22-0096	7761970	1427381	3-70	1	305	21,140	3.86	816	19	16,400	3.68	603	1-72		36	1,135	.06	50	75
23-22-0100	5367950	1189870	9-60	8	305	22,470	3.14	706	21	16,559	3.74	619	1-72		44	988	-.10	21	47
23-22-0100	6801478	1473660	11-66	3	304	21,316	3.79	807	30	17,133	3.75	643	12-70		34	780	.00	28	47

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C D	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
23-22-0114	5964219	1378324	8-62	7	301	19,737	3.35	661	12	14,872	3.62	538	7-71		36	936	-.04	28	$ 51
23-22-0114	6665307	1441440	9-66	4	303	20,220	3.49	706	16	15,832	3.75	594	1-72		44	908	-.01	31	53
23-22-0114	6665308	1441440	9-66	4	297	18,202	3.88	706	18	16,075	3.70	595	10-71		44	632	.05	30	44
23-22-0114	7253567	1378324	3-68	2	305	19,805	4.07	807	10	16,880	3.67	620	3-72		31	606	.07	33	45
23-22-0115	6651419	--1441440	3-65	4	305	18,780	3.84	722	9	16,027	3.64	584	12-70		44	709	.06	34	49
23-22-0121	7277785	1320310	10-68	2	295	18,295	3.52	644	20	15,255	3.76	574	8-71		40	875	-.06	22	45
23-22-0124	6574171	1337741	6-66	3	305	17,623	4.60	810	15	15,850	3.65	578	5-71		42	483	.14	38	46
23-22-0124	6826121	1448051	4-67	3	305	19,567	3.23	632	10	15,183	3.72	565	5-71		36	978	-.09	21	47
23-22-0126	7376513	1441440	7-69	1	305	16,030	3.77	604	17	12,630	3.63	459	2-72		36	633	.03	28	42
23-24-0003	6718274	1261857	10-66	4	301	19,613	3.28	644	14	16,950	3.70	627	12-71		44	743	-.01	25	43
23-24-0003	7045147	1261857	1-68	2	305	20,120	3.93	790	9	17,200	3.61	621	7-71		40	730	.10	41	56
23-24-0003	7216631	1399283	7-68	1	305	26,070	3.42	891	11	18,170	3.73	677	1-71		36	884	-.06	22	45
23-24-0005	6300894	1347940	2-65	5	304	18,872	3.71	701	5	14,704	3.77	555	10-71		44	995	.00	36	60
23-24-0005	6300895	1347940	4-65	4	305	17,612	3.72	655	6	14,160	3.84	544	3-71		44	883	-.01	30	51
23-24-0005	6845302	1347940	5-67	3	305	20,450	3.63	742	6	15,096	3.74	564	3-72		42	1,095	-.01	38	64
23-24-0005	6861205	1347940	3-67	3	303	17,866	3.80	679	6	14,646	3.69	540	11-71		42	844	.02	33	53
23-25-0209	6709500	1239242	8-66	4	305	19,233	4.01	772	27	14,690	3.75	551	11-71		44	716	.05	33	49
23-25-0209	7474293	1399824	11-69	1	305	20,190	3.45	697	19	15,420	3.77	581	12-71		36	708	.00	25	42
23-25-0507	6901246	1399824	11-67	3	298	17,953	4.34	779	13	16,047	3.70	594	2-72		42	552	.11	36	46
23-25-0507	7103740	1399824	7-68	2	304	19,750	3.69	728	14	16,160	3.56	576	6-71		40	707	.04	31	47
23-25-0507	7170547	1399824	10-68	2	298	21,225	4.21	893	11	16,170	3.67	594	3-72		40	856	.10	46	64
23-25-0507	7977107	1427615	1-69	1	305	23,210	3.46	802	16	15,840	3.57	566	7-71		36	1,049	-.10	22	50
23-25-0548	5637630	1244845	11-61	7	302	21,144	3.25	687	9	13,754	3.64	501	8-71		44	1,141	-.09	27	57
23-25-0563	6450524	1320310	11-65	2	305	18,420	3.17	583	9	13,995	3.75	525	3-72		40	1,003	-.10	21	48
23-25-0563	6677600	1441440	3-66	1	305	20,080	4.17	838	8	15,480	3.72	576	2-72		36	744	.07	38	54
23-25-0563	6782618	1441440	2-66	1	292	18,820	3.94	741	8	15,890	3.66	582	1-72		36	622	.05	30	43
23-25-0571	7349922	1441440	8-68	2	296	17,190	3.68	632	17	14,670	3.59	526	12-71		40	628	.04	28	42
23-25-0571	7349923	1441440	10-68	2	305	19,580	4.19	820	22	14,585	3.61	527	11-71		40	878	.10	47	65
23-25-0571	7438087	1441440	8-69	1	305	21,410	3.66	784	6	15,870	3.49	554	3-72		36	817	.04	35	53
23-25-0580	5024424	1272002	11-59	2	305	21,255	3.27	696	9	15,415	3.68	568	9-71		29	936	-.10	18	43
23-25-0580	7704924	1427615	1-69	1	305	21,400	3.64	778	7	14,050	3.72	522	3-71		36	1,034	-.09	23	50
23-25-0581	5821771	1199324	12-62	5	305	22,262	3.36	749	14	14,784	3.81	563	6-71		44	1,400	-.08	38	74
23-25-0581	6833503	1399824	3-67	3	305	18,527	4.29	795	26	14,927	3.81	569	6-71		42	734	.10	41	56
23-25-0581	6880852	1458744	10-67	3	305	20,043	3.66	733	29	15,526	3.72	578	10-71		42	967	-.01	33	56
23-25-0581	7362315	1320310	3-67	2	305	25,045	3.81	954	20	16,065	3.76	604	2-71		40	1,486	-.02	51	87
23-25-0589	6700824	1441440	11-66	1	305	23,010	3.47	798	25	15,490	3.82	591	11-70		36	961	.00	34	57
23-25-0589	6804660	1300014	3-67	2	305	22,110	3.79	839	18	14,340	3.77	541	10-71		40	1,046	-.04	31	57
23-25-0596	6967942	1480080	9-67	2	305	21,895	4.49	982	11	18,285	3.75	685	2-71	H	28	460	.18	43	49
23-25-0596	7642120	1427615	11-69	1	305	23,180	3.26	755	6	17,110	3.20	548	11-71		36	961	-.10	19	45
23-26-0024	6445589	1320310	10-65	4	305	17,838	3.64	649	10	14,385	3.91	562	8-71		44	953	-.06	25	49
23-26-0028	6107544	1381854	2-64	5	305	20,508	3.36	690	12	14,414	3.64	524	2-71		35	1,099	-.06	30	58
23-26-0028	6522695	1441440	8-65	5	294	18,202	3.40	618	27	15,264	3.54	541	8-71		44	734	.00	26	44
23-26-0028	7151282	1399824	2-68	2	305	20,745	3.36	697	25	15,710	3.51	551	1-72		40	849	.00	30	50
23-26-0028	7423039	1320310	5-69	1	305	20,060	3.13	628	27	16,070	3.52	566	6-71		36	903	-.08	21	45
23-26-0040	6567077	1340669	7-64	4	305	23,377	3.14	734	13	15,545	3.53	549	3-72		44	1,200	-.14	22	54
23-26-0051	7527063	1427381	11-69	1	305	17,990	3.64	654	15	13,760	3.74	514	10-71		36	1,078	.03	44	69
23-26-0068	6914675	1465802	1-67	3	300	19,937	3.67	732	8	15,927	3.66	583	4-71		33	809	-.01	27	47
23-26-0071	7175088	1447141	9-68	2	303	19,150	3.99	764	13	15,760	3.77	594	12-71		40	586	.09	34	46
23-26-7029	7461897	1320310	7-69	1	305	17,580	3.56	626	7	14,690	3.68	540	8-71		36	811	-.05	22	43
23-28-0003	5690375	1189870	8-62	6	305	19,030	4.01	764	26	15,385	3.93	604	4-71		44	680	.04	30	45
23-28-0003	6109373	1189870	8-63	7	305	20,576	3.81	783	38	15,333	3.89	597	2-72		44	886	.01	33	54
23-28-0003	6165087	1320310	6-64	6	299	19,342	3.38	654	45	15,535	3.97	617	12-71		44	1,025	-.11	20	47
23-28-0003	6432967	1441440	10-65	4	300	18,357	4.15	762	54	14,835	3.95	586	9-70		44	789	.06	38	55
23-28-0003	6825125	1441440	5-67	2	305	19,530	4.36	852	53	15,385	4.00	616	9-70		40	800	.09	42	59
23-28-0003	7077284	1320310	4-68	2	305	20,295	3.24	658	28	15,465	3.98	616	6-71		40	1,059	-.12	20	48
23-28-0012	6605904	1441440	6-65	4	294	16,527	3.91	647	36	14,290	3.76	537	10-70		44	624	.05	30	44
23-28-0012	6850555	1441440	8-65	4	295	21,552	3.66	788	37	14,770	3.76	555	10-70		44	1,191	.01	45	73
23-28-0012	6892510	1457897	11-65	5	305	20,224	3.97	803	30	14,672	3.65	535	2-72		35	855	.11	48	65
23-28-0021	5855075	010275932	7-63	5	302	18,746	3.85	722	68	14,138	3.69	521	1-71		44	706	.05	33	48
23-28-0021	6226815	1441107	12-64	5	304	18,174	3.79	688	51	14,088	3.65	514	12-71		32	643	.03	28	42
23-28-0021	6626875	1458744	9-66	3	305	17,173	3.52	605	67	14,186	3.73	529	1-71		42	776	-.03	24	43
23-28-0021	7031284	1458744	1-68	2	305	18,890	3.80	718	48	14,670	3.76	551	11-71		40	881	.01	33	54
23-28-0028	6530656	1309574	9-65	4	304	19,200	3.86	741	39	14,378	3.78	543	5-71		44	800	.06	38	55
23-28-0028	6564132	1309574	5-66	2	302	18,085	4.12	745	63	14,155	3.80	538	7-71		40	613	.09	36	48
23-28-0028	6564135	1320310	6-66	4	304	16,098	4.37	703	79	14,365	3.79	544	11-71		44	740	.05	34	50
23-28-0028	7003361	1427615	1-68	2	305	20,210	3.59	725	68	13,750	3.81	524	8-71		40	1,108	-.10	24	53
23-28-0028	7165082	1441440	9-68	2	305	19,185	3.59	689	90	14,810	3.73	553	11-71		40	818	.01	31	50
23-28-0028	7235293	1399824	10-68	2	297	20,965	3.73	783	79	15,275	3.69	564	11-71		40	911	.03	37	58
23-28-0029	7426578	1399824	7-69	1	305	21,070	4.01	845	11	15,700	3.86	606	12-71		36	755	.04	34	51
23-28-0030	6312898	1336050	3-65	5	301	15,782	3.48	549	45	11,814	3.63	429	12-71		44	883	-.02	29	51
23-28-0030	7388649	1261857	10-67	2	303	15,295	3.99	610	27	12,730	3.61	460	3-71		40	648	.09	37	50
23-28-0030	7391843	1387978	7-68	1	295	17,700	3.37	597	26	11,790	3.69	435	8-71		36	850	-.03	26	47
23-28-0041	6367373	1441440	8-65	4	305	19,517	3.38	660	18	16,057	3.57	574	3-72		44	797	-.01	27	46
23-28-0041	6580016	1441440	1-66	4	303	18,492	3.55	656	28	15,505	3.58	555	2-72		44	731	.02	29	46
23-28-0043	6344538	1441440	7-65	5	305	17,836	3.36	600	16	14,606	3.70	540	1-72		44	763	-.03	23	42
23-28-0043	6376803	1347940	8-65	3	305	21,953	3.20	703	12	14,170	3.69	523	9-71		42	1,363	-.07	38	72
23-28-0043	7041461	1441440	4-68	2	305	17,360	3.77	655	14	14,805	3.57	529	5-71		40	633	.05	30	44
23-28-0043	7041463	1399824	5-68	2	305	19,845	3.62	718	14	14,905	3.60	536	4-71		40	831	.03	34	53
23-28-0046	6357428	1320310	8-65	2	299	16,960	4.06	689	28	14,985	3.68	551	11-71		40	764	.01	29	47
23-28-0046	6961833	1320310	12-67	1	305	19,880	3.39	674	31	16,550	3.67	608	12-71		36	857	-.06	21	43
23-28-0048	5223616	1189870	10-60	8	305	18,974	3.69	700	21	13,810	3.77	520	11-71		44	856	.01	32	52
23-28-0048	7211485	1436081	8-68	2	301	23,560	3.25	766	31	14,415	3.73	538	12-71		40	898	-.03	28	50
23-28-0054	7247092	1320310	1-69	2	305	25,250	3.51	887	14	17,540	3.88	680	12-71		40	1,372	-.08	37	72
23-28-0062	6604279	1441440	7-66	1	305	17,340	3.86	670	15	13,750	3.72	512	6-71		36	655	.04	30	44
23-28-0062	6619690	1309574	9-66	3	305	19,810	3.15	625	14	14,267	3.74	533	5-71		42	846	-.04	25	46

TABLE 3. HOLSTEIN USDA-OHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C O	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
23-28-0067	6927570	1399824	7-67	2	305	20,005	4.04	809	10	15,645	3.84	601	3-71		40	780	.06	37	$ 54
23-28-0069	5341426	1189870	2-61	9	299	18,227	3.97	724	17	14,540	3.73	542	7-71		44	675	.05	32	47
23-28-0069	5863728	1189870	10-62	4	300	19,083	3.44	657	29	14,253	3.68	524	2-72		44	795	-.02	25	45
23-28-0069	6095307	1320310	6-64	5	305	18,628	3.25	606	28	14,454	3.71	536	12-71		44	1,058	-.10	23	51
23-28-0069	6755961	1320310	2-67	3	295	17,393	3.67	638	28	13,950	3.72	519	9-71		42	930	-.04	28	51
23-28-0069	7178201	1399824	10-68	1	305	19,130	3.67	702	32	14,900	3.77	561	3-71		36	664	.02	27	42
23-28-0069	7271295	1320310	1-69	1	305	17,800	3.79	675	40	14,460	3.72	538	5-71		36	843	-.03	26	47
23-28-0069	7372958	1320310	4-69	1	305	18,020	3.77	680	34	13,370	3.80	508	7-71		36	932	-.03	29	52
23-28-0069	7372959	1399824	4-69	1	305	17,290	4.00	691	29	13,460	3.61	486	2-72		36	624	.06	31	44
23-28-0069	7372960	1427615	8-69	1	305	20,160	3.37	679	24	13,280	3.61	480	3-72		36	993	-.12	18	45
23-28-0080	5903521	1189870	2-63	6	301	22,627	3.34	756	15	15,767	3.70	584	6-71		44	1,100	-.06	31	59
23-28-0080	6660854	1261857	9-66	3	305	21,197	4.33	917	18	16,603	3.58	595	4-71		42	945	.17	60	78
23-28-0084	5428043	1189870	9-61	8	305	21,291	3.34	712	21	15,354	3.89	598	11-71		44	976	-.07	24	49
23-28-0084	6591409	1452607	10-65	3	305	16,983	4.48	761	45	15,410	3.88	598	8-71		38	554	.08	32	43
23-28-0084	6685659	1471584	9-66	3	305	21,750	3.75	815	29	15,857	3.92	622	4-71		38	959	-.03	30	54
23-28-0084	6788605	1261857	11-66	3	305	19,900	4.01	798	35	15,753	3.90	615	7-71		42	884	.08	44	63
23-28-0084	6951203	1261857	9-67	3	305	23,320	4.05	944	53	15,373	3.92	602	12-71		42	1,316	.10	63	92
23-28-0086	5587333	1189870	9-61	9	304	18,461	3.79	700	22	13,911	3.77	524	8-71		44	778	.02	31	49
23-28-0086	5982685	1199324	11-63	6	305	21,080	3.45	727	26	16,282	3.65	594	7-71		44	1,074	-.04	32	59
23-28-0086	6235285	1347940	8-64	5	305	17,920	3.31	594	25	15,378	3.57	549	1-72		44	79[illegible]	-.04	23	43
23-28-0102	6980244	1399824	12-66	3	305	19,900	3.58	713	16	15,830	3.59	568	5-71		42	798	.02	32	5[illegible]
23-28-0107	6366546	1222994	5-65	5	295	18,172	3.57	648	11	14,278	3.70	528	2-71		44	756	-.01	25	43
23-28-0114	5795031	1399824	10-62	6	304	17,627	3.98	702	12	14,605	4.03	588	6-71		44	695	.03	29	45
23-28-0114	6196278	1436081	9-64	5	305	18,934	4.35	823	11	13,942	3.95	551	10-71		44	610	.11	39	5[illegible]
23-28-0114	6947067	1399824	10-67	3	305	17,650	4.02	709	11	14,590	3.98	580	1-72		42	668	.04	35	45
23-28-0114	7331513	1347940	4-69	1	305	17,680	3.87	685	15	13,160	3.90	513	7-71		36	846	.01	32	52
23-28-0115	5374479	1189870	7-61	9	295	20,076	3.59	721	28	15,066	3.85	580	1-72		44	852	-.02	27	45
23-28-0115	5766124	1394096	8-62	8	305	19,940	3.56	709	45	14,478	3.75	543	8-71		36	1,084	-.07	29	57
23-28-0115	6603085	1450228	5-66	3	259	18,896	3.66	692	51	14,856	3.67	545	11-71		41	1,001	-.02	33	57
23-28-0115	6780485	1458744	9-66	3	305	19,386	3.87	750	20	16,273	3.75	610	5-71		42	814	.02	32	51
23-28-0115	6978693	1450228	5-67	3	303	16,340	4.03	658	40	14,333	3.77	541	9-71		41	757	.01	29	47
23-28-0115	6978695	1450228	7-67	3	297	17,050	3.65	623	45	14,370	3.76	540	8-71		41	836	-.03	25	46
23-28-0115	6978696	1450228	7-67	2	305	17,995	3.63	653	45	14,985	3.76	564	10-70		39	861	-.04	25	47
23-28-0115	6978698	1450228	10-67	3	305	19,023	3.40	646	46	15,070	3.75	565	9-71		41	993	-.07	25	51
23-28-0115	7304178	1458744	11-68	2	305	18,630	3.51	654	49	15,255	3.72	568	10-71		40	801	-.03	25	45
23-28-0115	7304179	1427381	11-68	2	305	19,720	3.77	744	32	16,760	3.67	615	12-71		40	1,046	.05	46	69
23-28-0117	7040055	1261857	7-67	2	305	16,590	4.59	762	42	14,900	3.83	571	1-71		40	581	.15	43	53
23-28-0146	6767965	1261857	3-67	2	305	21,710	3.57	775	10	16,610	3.73	619	3-71		40	945	.04	40	61
23-28-0146	6867785	1261857	7-67	2	305	18,840	4.43	835	9	16,780	3.77	633	2-71		40	638	.14	44	55
23-28-0146	6867787	1261857	7-67	2	305	18,010	3.86	695	10	16,240	3.80	617	6-71		40	603	.07	32	45
23-28-0146	7200834	1309574	11-68	1	305	17,710	4.48	793	6	14,590	3.77	550	7-71		36	465	.12	34	42
23-28-0157	5251834	1189870	11-60	5	305	19,784	3.89	769	5	15,732	3.93	619	1-72		44	737	.02	29	46
23-28-0157	5661768	1189870	9-62	7	305	19,270	3.84	740	5	15,193	3.75	570	2-72		44	734	.03	31	48
23-28-0163	7266336	1387978	10-68	1	305	22,320	3.25	725	11	15,780	3.78	597	3-71		36	927	-.06	24	48
23-28-0163	7266337	1399824	10-68	2	305	19,005	4.08	775	18	14,590	3.71	542	10-71		40	775	.07	39	55
23-28-0164	6910915	1506447	9-67	3	305	15,793	4.38	692	53	12,120	3.76	456	2-72		29	491	.10	33	42
23-28-0164	7402289	1387978	1-69	1	305	17,000	3.46	588	50	12,000	3.71	445	6-71		36	784	-.03	24	43
23-28-0172	7192899	1399824	11-68	2	305	17,070	3.88	662	21	13,260	4.08	541	12-71		40	700	.01	27	43
23-28-0193	6460161	1303198	5-65	4	305	18,733	3.72	696	20	14,078	3.57	503	12-71		44	723	.03	30	47
23-28-0193	7217535	1397517	3-68	2	305	22,930	3.70	848	21	15,330	3.56	545	1-72		40	629	.04	29	43
23-28-0202	6688405	1261857	1-67	4	293	17,248	3.58	618	14	14,748	3.83	565	3-72		44	695	.03	29	45
23-28-0202	7324341	1261857	12-68	1	305	22,520	3.66	825	22	14,850	3.74	555	6-71		36	1,006	.06	45	67
23-28-0202	7543653	1441440	1-70	1	305	19,560	3.41	667	17	13,990	3.99	558	3-72		36	805	-.02	26	46
23-28-0204	6463689	1441440	8-65	3	305	23,336	2.99	698	19	15,380	3.58	550	5-71		42	1,283	-.08	34	67
23-28-0204	7051685	1347940	3-68	2	305	17,590	3.58	630	31	15,065	3.64	549	8-71		40	750	-.01	26	44
23-28-0204	7095546	1320310	4-68	2	305	21,490	3.14	675	27	15,320	3.71	568	11-71		40	1,193	-.11	26	57
23-28-0204	7222369	1320310	1-69	1	305	18,030	3.61	650	38	14,590	3.62	528	8-71		36	851	-.04	25	46
23-28-0206	6838641	1261857	1-67	3	305	17,467	3.80	664	39	14,667	3.82	560	7-71		42	716	.06	35	5[illegible]
23-28-0206	7084183	1491622	1-68	2	297	18,925	4.01	758	41	15,245	3.76	573	5-71		34	644	.04	29	43
23-28-0206	7163957	1413165	12-67	2	305	21,440	3.61	775	43	15,025	3.78	568	7-71		40	989	-.10	21	47
23-28-0211	5876337	1189870	8-63	5	304	20,014	3.81	763	7	16,252	3.81	619	7-71		44	707	.02	28	44
23-28-0229	6387808	1320310	7-65	4	305	18,185	3.40	619	14	14,758	3.69	545	12-71		44	954	-.07	23	48
23-28-0229	6653928	1447750	8-66	3	305	18,893	3.66	691	19	15,083	3.52	531	5-71		41	701	.01	27	43
23-28-0282	6678539	1309574	12-66	3	305	20,603	3.29	678	12	14,670	3.69	541	2-72		42	895	-.01	30	52
23-28-0282	6985535	1389915	9-67	2	305	18,265	3.46	632	21	13,805	3.70	511	8-71		38	831	-.06	21	42
23-28-0289	5616654	1199324	6-62	7	303	18,423	3.22	593	21	13,394	3.71	497	3-71		44	1,066	-.08	26	54
23-28-0289	6920423	1367353	9-67	3	305	19,870	3.70	735	21	14,050	3.57	501	10-71		42	732	.04	32	48
23-28-0289	7074632	1347940	3-68	2	305	18,070	3.64	657	10	14,295	3.67	525	6-71		40	869	.00	31	52
23-28-0296	6165943	1259069	9-64	5	305	19,994	3.90	780	13	15,326	3.88	595	9-71		44	744	-.01	26	44
23-28-0296	6821729	1261857	12-66	4	304	17,580	3.80	668	11	15,795	3.82	604	2-72		44	620	.06	31	44
23-28-0304	6923567	1379208	10-67	3	305	19,673	3.58	705	36	16,107	3.58	576	12-71		42	713	.01	27	44
23-28-0316	7004377	1347940	10-67	1	305	20,020	3.48	697	6	17,350	3.56	618	1-72		36	739	-.01	25	43
23-28-0316	7239177	1320310	1-69	1	305	18,350	3.78	694	26	15,700	3.70	581	8-71		36	800	-.03	25	45
23-28-0317	7008511	1320310	12-67	3	305	18,580	3.69	685	17	15,140	3.69	558	10-71		42	943	-.03	29	52
23-28-0317	7008512	1320310	2-68	3	302	17,200	3.81	656	15	15,337	3.68	564	10-71		42	764	-.02	25	44
23-28-0321	6768951	1320310	7-66	3	305	16,783	3.69	619	36	14,343	3.67	526	11-71		42	819	-.03	25	45
23-28-0321	6905637	1347940	9-67	3	305	17,120	3.48	595	41	14,116	3.70	522	11-71		42	813	-.03	25	45
23-28-0328	7382087	1458744	8-69	1	305	20,320	3.45	701	37	13,170	3.97	523	11-71		36	1,002	-.04	30	55
23-28-0330	6691814	1309574	5-66	4	305	17,830	4.01	715	9	14,653	3.81	558	6-71		44	600	.08	33	45
23-28-0338	6722425	1261857	12-66	4	304	19,070	3.91	746	20	16,600	3.65	606	2-72		44	715	.09	40	54
23-28-0338	7053445	1261857	8-67	2	295	17,860	4.29	766	20	14,895	3.56	531	5-71		40	711	.14	47	60
23-28-0338	7474694	1399824	5-69	1	305	20,810	3.11	648	35	15,390	3.64	560	9-71		36	756	-.03	23	42
23-28-0342	7092820	1347940	3-68	2	305	19,400	3.88	753	21	15,485	3.56	552	11-71		40	896	.04	38	58
23-28-0342	7362813	1320310	3-69	1	305	18,930	3.20	605	9	14,720	3.44	507	5-71		36	909	-.06	23	46
23-28-0344	6711050	1309574	5-66	4	303	18,348	3.70	678	30	14,743	3.83	565	10-71		44	654	.03	28	43

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T O	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
23-28-0344	6871062	1309574	3-67	3	305	18,720	4.26	797	23	14,810	3.73	553	7-71		42	664	.12	42	$ 55
23-28-0344	6909147	1393031	7-67	3	305	21,990	3.01	662	29	14,646	3.83	561	10-71		42	1,122	-.19	11	43
23-28-0348	6494032	1347940	12-65	3	305	17,710	4.03	714	44	14,273	3.69	526	7-71		42	865	.05	39	58
23-28-0348	7341164	1347940	9-67	3	302	18,713	3.49	653	58	15,033	3.62	544	10-71		42	901	-.02	30	52
23-28-0348	7568091	1261857	10-68	1	305	20,050	3.79	760	23	16,700	3.54	592	3-71		36	698	.08	37	51
23-28-0354	6952855	1309574	12-67	2	305	18,715	3.88	726	11	15,135	3.90	590	10-71		40	588	.05	29	42
23-28-0359	7219750	1427381	10-68	2	305	18,745	3.21	601	5	13,695	3.62	496	3-72		40	1,227	-.01	42	72
23-28-0365	6474061	1320310	8-65	3	297	17,687	3.99	706	18	14,080	3.71	523	10-71		42	950	.00	35	57
23-28-0365	6811432	1261857	3-67	2	305	18,590	4.12	765	22	14,145	3.70	523	11-71		40	853	.11	47	64
23-28-0365	7374517	1347940	3-69	1	282	18,840	4.10	773	34	14,760	3.71	547	11-71		36	825	.04	36	55
23-28-0371	6885459	1486391	6-67	2	305	21,200	3.47	736	36	14,455	3.85	556	11-71		25	854	-.04	24	46
23-28-0371	7455218	1347940	8-69	1	284	16,850	3.54	597	39	13,750	3.77	518	8-71		36	744	-.01	25	43
23-28-0391	5320590	1189870	1-61	6	305	19,950	3.70	739	15	15,792	3.60	569	1-72		44	752	.03	31	48
23-28-6008	6962138	1399824	9-67	2	305	18,595	3.61	672	46	15,300	3.72	569	1-71		40	668	.01	26	42
23-29-0002	7050532	1320310	2-68	2	305	15,240	3.48	531	18	12,145	3.74	454	11-71		40	849	-.06	22	44
23-29-0006	6875352	1309574	3-67	3	305	17,333	4.31	747	28	15,203	3.69	561	10-71		42	464	.13	36	44
23-29-0006	7113217	1309574	12-67	2	305	21,025	3.57	751	16	16,245	3.77	612	2-71		40	721	.02	29	46
23-29-0006	7184312	1320310	8-68	2	291	17,705	3.88	687	29	15,525	3.74	580	11-71		40	790	-.02	26	45
23-29-0006	7428992	1427615	3-69	1	305	20,170	4.22	851	41	16,080	3.68	591	11-71		36	806	-.03	24	44
23-29-0022	6781467	1320310	5-66	3	305	17,037	3.59	611	6	14,163	3.98	563	2-71		42	867	-.07	20	43
23-29-0076	6921164	1320310	8-67	2	300	18,590	3.71	689	21	13,665	3.80	519	9-71		40	1,050	-.04	32	58
23-31-0009	6612462	1119686	3-65	4	298	19,845	3.38	671	33	13,218	3.73	493	1-71	H	44	780	-.01	27	46
23-31-0009	6669443	1309574	9-66	3	305	16,330	4.39	717	59	13,397	3.64	488	1-72		42	536	.14	40	49
23-31-0009	6833511	1347940	1-67	2	305	19,480	3.38	659	23	13,565	3.40	461	4-71		40	1,079	-.01	37	63
23-31-0009	6833512	1347940	3-67	2	305	18,395	3.62	666	41	13,610	3.35	456	12-70		40	965	.02	38	60
23-31-0009	6986819	1347940	9-67	2	305	15,705	3.84	603	32	13,055	3.83	500	3-72		40	743	.01	28	45
23-31-0009	7026150	1347940	11-67	2	305	17,060	4.02	685	54	13,050	3.66	477	11-71		40	881	.04	38	58
23-31-0009	7026151	1347940	2-68	1	305	15,830	3.50	554	66	12,620	3.73	471	2-72		36	744	-.01	25	43
23-31-0009	7127520	1399824	3-68	2	305	17,840	3.46	618	84	12,675	3.63	460	11-71		40	832	.00	30	50
23-31-0009	7284805	1320310	1-69	1	305	16,250	3.41	554	99	12,060	3.73	450	11-71		36	888	-.06	23	46
23-31-0015	7155992	1456945	10-66	2	305	18,255	3.40	621	27	13,600	3.75	510	11-70		32	777	-.03	24	43
23-31-0023	6445644	1347940	4-65	3	301	18,856	3.80	717	28	14,950	3.78	565	6-71		42	926	.01	35	57
23-31-0023	6491881	1347940	2-66	2	305	20,095	3.45	693	47	15,375	3.94	606	9-70		40	976	-.05	27	52
23-31-0023	6852733	1458744	4-67	3	305	23,463	3.82	897	46	15,023	3.91	587	10-71		42	1,413	.00	51	85
23-31-0023	6972601	1347940	7-66	4	302	16,582	4.22	700	42	14,875	3.92	583	9-71		44	676	.05	32	47
23-31-0023	7193919	1458744	1-67	4	297	20,765	3.50	727	29	15,610	3.91	610	12-71		44	1,076	-.06	30	57
23-31-0023	7223601	1458744	9-68	1	305	19,860	3.53	702	33	14,930	3.88	579	7-71		36	850	-.03	26	47
23-31-0023	7455329	1458744	2-68	2	288	18,890	3.41	644	34	14,895	3.94	587	8-71		40	860	-.06	22	44
23-31-0023	7572107	1458744	6-68	2	301	18,800	3.84	722	49	15,115	3.92	592	9-71		40	831	-.01	29	49
23-31-0024	6468683	1206797	9-65	4	305	19,610	3.60	706	7	14,923	3.67	548	5-71		43	792	-.01	27	46
23-31-0031	6703349	1347940	1-67	2	305	18,505	3.80	704	22	13,285	3.88	516	1-71		40	1,006	.00	36	60
23-31-0031	7053521	1347940	12-67	2	305	15,875	4.39	697	22	12,950	3.83	496	8-71		40	770	.07	38	54
23-31-0031	7313863	1347940	12-68	1	305	17,300	4.00	692	20	12,710	3.87	492	11-70		36	848	.02	34	54
23-31-0113	7551633	1458744	11-69	1	305	23,780	3.57	848	14	19,460	3.40	661	12-71		36	838	.01	31	51
23-31-0125	6681651	1347940	7-66	2	305	21,090	3.85	813	9	15,580	3.99	622	12-71		40	1,059	.00	38	63
23-31-0126	6964205	1347940	11-67	1	305	20,520	3.85	791	9	14,920	3.90	582	7-71		36	939	.01	35	57
23-31-0134	7269453	1458744	10-68	1	305	16,280	4.20	683	28	11,560	3.65	422	12-71		36	809	.04	35	53
23-31-0161	6991280	1309574	5-67	2	305	22,295	3.40	758	26	14,775	3.70	547	1-72		40	984	.00	36	59
23-31-0167	6437869	1441440	7-65	4	305	19,965	3.75	748	32	15,375	3.83	589	12-70		44	928	.02	36	58
23-31-0167	6931115	1441440	1-66	4	305	18,402	3.90	718	33	15,075	3.81	574	11-71		44	768	.04	34	51
23-31-0167	7399602	1525963	10-67	2	305	23,135	3.63	840	20	15,540	3.73	580	11-71		29	1,087	-.01	38	64
23-31-0167	7539805	1525963	4-68	2	305	20,580	3.94	811	21	14,940	3.93	587	9-71		29	843	.02	34	53
23-31-0167	7541659	1347940	4-68	2	305	18,310	3.75	686	23	14,550	3.86	561	3-72		40	871	-.01	30	51
23-31-0174	5969617	1338671	10-63	6	305	20,750	4.07	845	24	16,637	3.99	664	4-71		39	709	.06	35	50
23-31-0174	6623915	1347940	11-64	5	292	17,612	3.55	625	27	14,820	3.64	540	3-72		44	819	-.01	28	48
23-31-0174	6687214	1347940	11-66	3	305	19,020	3.68	699	28	15,396	3.67	565	12-71		42	899	.00	33	54
23-31-0174	7021937	1360676	1-68	2	303	18,290	3.65	668	27	15,805	3.74	591	11-71		39	691	.01	26	42
23-31-0174	7021939	1347940	1-68	2	305	22,290	3.51	782	24	15,065	3.69	556	8-71		40	1,227	-.02	41	71
23-31-0174	7196510	1261857	7-68	1	305	20,100	3.67	738	33	15,500	3.57	553	1-71		36	782	.06	38	55
23-31-0174	7216708	1261857	11-68	1	305	17,350	4.01	696	36	14,900	3.65	544	6-71		36	617	.09	36	48
23-31-0175	6546315	1347940	9-65	5	305	19,006	4.17	792	11	15,808	3.97	627	10-71		44	884	.05	39	59
23-31-0175	6670874	1347940	9-66	3	270	20,236	3.84	777	8	17,300	3.90	675	2-71		42	842	.00	30	50
23-31-0175	6670875	1347940	9-66	2	305	20,040	3.74	749	15	16,660	3.82	636	1-72		40	853	.00	30	50
23-31-0175	6933823	1399824	7-67	2	298	18,815	4.02	756	11	15,775	3.92	618	7-71		40	647	.04	30	44
23-31-0175	7153359	1347940	2-68	2	295	18,455	4.26	786	13	16,425	3.81	625	11-71		40	714	.06	35	50
23-31-0175	7153363	1399824	7-68	2	305	23,065	3.00	692	11	15,775	3.92	618	7-71		40	1,079	-.10	23	52
23-31-0175	7153365	1399824	8-68	2	305	21,190	3.66	776	11	16,200	4.03	653	10-71		40	850	-.01	29	50
23-31-0176	6358368	1119686	9-63	6	305	20,800	3.89	809	14	15,047	3.75	564	11-71		44	727	.08	38	53
23-31-0176	6763933	1309574	2-67	3	301	19,350	3.68	712	21	15,107	3.73	563	10-71		42	706	.04	31	47
23-31-0194	6835258	1347940	6-67	1	305	18,680	4.23	790	30	15,960	3.70	591	12-71		36	733	.05	34	50
23-31-0194	6910957	1347940	7-67	2	305	20,835	3.28	684	29	16,000	3.54	566	3-72		40	994	-.04	30	55
23-31-0194	7019109	1347940	9-67	1	305	24,580	3.38	831	30	15,960	3.70	591	12-71		36	1,172	-.03	37	66
23-31-0194	7185733	1347940	8-67	1	305	18,790	3.73	700	26	15,910	3.70	588	11-71		36	744	.01	28	46
23-31-0213	7493471	1526128	10-69	1	305	17,580	3.13	551	8	12,340	3.70	456	3-72		31	990	-.12	17	44
23-31-0215	6383996	1347940	9-65	2	305	16,175	3.73	603	10	13,360	3.84	513	12-71		40	763	-.01	26	44
23-31-0215	6222751	1200723	10-64	4	302	20,433	3.37	688	35	14,060	3.61	508	4-71		43	831	-.04	24	45
23-31-0215	6709649	1456945	9-66	3	305	19,586	3.33	652	46	13,570	3.77	512	2-71		34	1,018	-.05	29	55
23-31-0215	6709654	1456945	10-66	3	305	19,736	3.75	741	64	13,696	3.85	527	11-71		34	1,022	.01	39	63
23-31-0215	6909042	1347940	7-67	2	305	21,695	3.99	866	70	13,750	3.76	517	1-71		40	1,287	.04	53	82
23-31-0215	7003865	1456945	8-67	3	289	17,700	3.40	601	68	13,270	3.84	509	7-71		34	806	-.04	23	43
23-31-0216	7184072	1399824	10-67	1	305	20,720	3.88	803	75	13,970	3.76	525	4-71		36	845	.04	37	56
23-31-0216	7343440	1456945	4-68	2	299	18,760	4.20	788	89	13,755	3.81	524	12-71		32	819	.08	42	59
23-31-0216	7343443	1456945	11-68	2	295	17,380	3.91	680	86	13,875	3.84	533	10-71		32	647	.03	28	43
23-31-0216	7343445	1456945	2-69	1	305	17,690	4.16	736	99	13,410	3.83	513	12-71		26	630	.06	31	45
23-31-0216	7448823	1550630	4-69	1	305	19,370	4.24	821	108	13,320	3.85	513	9-71		22	612	.09	36	48

TABLE 3. HOLSTEIN USDA-OHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	REGISTRATION COW NUMBER	REGISTRATION SIRE NUMBER	COW BORN MO-YR	COW'S AVERAGE PRODUCTION RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	HERDMATE AVERAGES NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	TCO	REPT (%)	COW INDEX MILK (LB)	FAT (%)	FAT (LB)	DOLLARS
23-31-0216	7448863	1456945	4-69	1	305	20,850	3.81	795	80	13,060	3.87	505	8-71		26	931	.02	37	$ 59
23-31-0216	7448869	1456945	7-69	1	305	22,550	3.50	790	68	13,320	3.79	505	6-71		26	1,057	-.01	36	62
23-31-0216	7448872	1456945	9-69	1	305	17,140	4.35	745	93	13,610	3.85	524	10-71		26	567	.07	31	43
23-31-0216	7448873	1456945	9-69	1	305	20,140	3.07	618	103	13,280	3.83	508	11-71		26	852	-.06	21	43
23-31-0216	7448879	1456945	12-69	1	305	21,240	3.70	785	103	13,280	3.83	508	11-71		26	947	.01	36	58
23-31-0216	7448883	1456945	1-70	1	305	19,410	3.30	641	99	13,410	3.83	513	12-71		26	779	-.03	23	42
23-31-0237	7065760	1347940	4-68	1	305	17,020	3.97	675	14	15,040	3.68	553	10-71		36	671	.03	28	43
23-31-0242	6348872	1347940	6-65	2	305	16,755	3.97	666	9	12,935	3.87	500	7-71		40	860	.02	34	54
23-32-0001	6862549	1309574	3-67	2	305	17,010	4.16	707	8	13,030	3.83	499	3-71		40	607	.09	35	47
23-32-0012	7094114	1399824	4-68	2	305	16,625	3.96	658	37	13,600	3.58	487	11-71		40	624	.06	32	45
23-32-0012	7453713	1526128	11-69	1	305	19,450	3.71	721	13	16,150	3.67	593	4-72		31	864	-.07	21	43
23-32-0015	5496871	1038509	1-62	7	279	20,100	3.53	709	31	15,651	3.69	577	10-71		44	802	-.05	21	42
23-32-0015	7206203	1381027	10-68	2	305	23,540	3.25	765	20	15,235	3.66	557	2-72		40	778	-.04	22	42
23-32-0015	7265744	1347940	8-68	1	305	17,870	3.96	708	21	15,030	3.71	557	1-71		36	735	.02	30	47
23-32-0037	7519645	1526128	8-69	1	305	23,050	3.51	809	9	16,520	3.79	626	9-71		31	1,127	-.09	26	55
23-32-0053	6704065	1309574	12-66	4	305	19,198	3.52	675	17	15,533	3.67	570	1-72		44	671	.02	27	42
23-32-0053	6704069	1399824	12-66	3	304	19,617	3.73	731	15	15,517	3.74	581	4-71		42	798	.02	32	50
23-32-0053	6704072	1399824	1-67	3	297	18,153	3.70	671	18	14,880	3.74	557	8-71		42	696	.02	28	44
23-32-0054	6996217	1393031	10-67	3	305	19,893	3.88	772	19	14,713	3.84	565	1-72		42	874	-.06	23	45
23-32-0054	7066666	1441440	12-67	3	300	18,423	3.81	701	9	15,623	3.81	595	4-72		42	693	.03	29	45
23-32-0054	7190400	1399824	6-68	2	299	16,085	4.09	658	23	13,135	3.70	486	12-71		40	611	.07	32	45
23-32-0058	6944415	1399824	12-66	2	305	23,325	3.52	822	20	17,115	3.87	662	2-71		40	983	-.02	33	57
23-32-0058	7024645	1441440	11-67	1	305	22,380	3.60	805	21	17,630	3.81	672	2-71		36	771	.01	29	47
23-32-0101	5183185	1102436	5-60	7	305	18,750	3.66	686	5	13,854	3.63	503	1-72		44	641	.03	27	42
23-32-0120	7637574	1441440	3-70	1	302	20,210	3.73	753	8	14,690	3.66	538	8-71		36	806	.03	34	52
23-32-0131	6428769	1309574	9-65	5	304	21,162	3.46	733	11	15,634	3.75	587	2-72		44	931	.00	33	55
23-32-0131	6984446	1417208	12-67	2	305	20,460	3.47	710	14	15,565	3.62	563	12-71		40	895	-.01	31	53
23-32-0131	7231970	1308101	12-68	2	305	19,825	3.96	785	16	15,770	3.73	589	2-72		40	1,004	.01	38	62
23-32-0134	6900180	1441440	6-67	3	305	21,643	3.41	739	5	15,833	3.59	569	1-72		42	1,041	-.01	36	61
23-33-0018	6630831	1441440	6-66	2	292	18,190	3.86	703	12	15,105	3.53	533	6-71		40	690	.06	34	49
23-33-0018	7236691	1320310	1-68	3	304	20,880	3.04	634	34	17,123	3.64	623	12-71		42	1,002	-.12	17	44
23-33-0018	7345916	1309574	10-68	2	294	20,805	3.50	728	19	16,545	3.58	593	9-71		40	671	.03	29	44
23-33-0018	7345918	1427615	10-68	2	305	22,765	3.35	763	20	15,990	3.60	575	9-71		40	1,163	-.12	23	54
23-33-0019	6924104	1427615	11-67	3	304	22,050	3.74	824	13	16,920	3.71	627	1-72		42	1,063	-.07	27	54
23-33-0019	7050725	1427615	4-68	2	305	20,585	3.61	743	12	15,605	3.63	566	10-71		40	977	-.09	22	48
23-33-0019	7318652	1399824	10-68	2	305	18,340	4.18	767	16	16,610	3.63	603	12-71		40	523	.09	32	42
23-33-0029	7083432	1415405	4-68	2	303	19,300	4.19	809	16	14,160	3.70	524	10-71		40	687	.04	31	46
23-33-0074	6196594	1441440	1-65	2	305	17,435	3.70	645	12	14,125	3.55	502	1-72		40	702	.04	31	47
23-33-0082	5572468	1119686	7-61	6	305	17,683	3.91	692	20	13,428	3.50	470	11-71		44	513	.10	33	43
23-33-0083	7119327	1484216	9-66	1	305	24,610	3.40	836	19	15,480	3.76	582	8-71		19	878	-.04	25	47
23-33-0083	7240174	1399824	10-68	2	305	21,985	3.49	768	21	17,770	3.68	654	1-72		40	787	.00	28	47
23-33-0083	7240182	1399824	1-69	2	286	20,465	3.80	778	26	16,965	3.72	631	11-71		40	706	.04	31	47
23-34-0005	7176393	1347940	11-66	2	305	17,005	3.75	638	9	13,800	3.61	498	3-71		40	807	.01	31	50
23-34-0016	6353712	1347940	5-64	4	305	17,642	3.55	627	8	14,002	3.85	539	3-71		44	904	-.04	27	50
23-34-0016	6353717	1347940	12-64	4	305	17,335	3.40	590	6	14,045	3.66	514	4-71		44	862	-.03	26	47
23-34-0016	6353718	1347940	3-65	4	305	17,630	3.90	687	7	14,037	3.70	520	8-71		44	899	.03	37	58
23-34-0016	6729085	1347940	1-66	3	285	16,380	3.69	605	6	13,863	3.66	507	3-72		42	754	.01	28	46
23-34-0016	6951809	1347940	2-67	3	292	17,053	3.64	621	6	13,086	3.72	487	12-71		42	912	-.01	32	54
23-34-0018	6712222	1347940	12-66	3	305	19,920	3.87	771	15	16,706	3.82	639	3-72		42	867	.01	33	53
23-34-0018	6717262	1347940	1-67	3	305	20,673	4.11	849	16	17,793	3.77	671	1-72		42	841	.06	39	57
23-34-0018	6836867	1347940	3-67	3	305	21,120	3.83	809	17	17,553	3.71	651	10-71		42	917	.03	37	58
23-34-0018	6959277	1458744	11-67	3	302	20,636	3.87	799	17	17,756	3.75	665	2-72		42	805	.02	32	51
23-34-0018	6959278	1471956	12-67	3	300	21,823	3.73	813	15	17,283	3.74	646	3-72		41	945	.00	34	57
23-34-0023	6980112	1347940	9-67	1	305	20,560	3.43	705	10	14,850	3.57	530	4-71		36	947	-.01	32	55
23-34-0023	7441977	1427381	8-69	1	305	19,560	3.42	669	37	13,920	3.66	510	8-71		36	1,184	.02	46	74
23-34-0023	7441978	1427381	10-69	1	305	19,410	3.83	743	7	15,750	3.69	581	4-72		36	1,050	.05	46	70
23-34-0026	7008307	1347940	2-68	2	305	16,215	3.66	594	5	14,140	3.58	506	7-71		40	695	.01	26	42
23-34-0042	6365134	1347940	4-65	4	305	15,965	3.92	626	16	14,070	3.73	525	1-72		44	690	.03	29	45
23-34-0042	7136281	1458744	5-68	2	305	15,790	3.98	629	17	14,015	3.60	505	10-71		40	626	.04	28	42
23-34-0042	7261965	1458744	1-69	1	305	21,330	3.32	709	8	14,810	3.77	558	4-71		36	968	-.04	28	52
23-34-0054	6779988	1347940	3-67	3	305	17,413	4.32	753	13	15,363	3.68	566	9-71		42	718	.09	39	54
23-34-0054	7127959	1347940	1-68	2	305	17,970	3.67	660	15	14,670	3.80	558	7-71		40	825	-.01	28	48
23-34-0054	7267049	1347940	4-67	3	305	19,403	3.26	633	10	16,090	3.70	596	12-71		42	871	-.06	22	44
23-34-0054	7397604	1458744	2-69	1	305	22,290	3.24	723	22	15,930	3.88	618	8-71		36	964	-.06	25	50
23-34-0060	6053191	1199324	1-64	5	299	18,856	3.31	624	12	14,950	3.71	554	11-71		44	941	-.07	23	47
23-34-0060	6837049	1417208	6-67	3	305	18,380	3.17	583	9	14,917	3.53	526	7-71		42	778	-.04	22	42
23-34-0060	7248425	1458744	7-68	2	303	21,480	3.55	763	6	16,385	3.51	575	4-71		40	987	.00	35	59
23-34-0062	6555968	1347940	3-66	4	294	21,627	3.40	735	24	17,417	3.49	607	11-71	8	44	1,017	-.02	33	58
23-34-0062	6720021	1347940	11-66	3	269	18,320	3.38	619	21	14,723	3.57	526	12-71	8	42	888	-.03	28	50
23-34-0062	6732957	1347940	2-67	3	305	23,506	3.38	794	18	18,006	3.49	628	6-71		42	1,145	-.03	37	65
23-34-0062	6788628	1347940	2-67	3	305	21,223	3.14	666	26	17,290	3.50	606	7-71		42	956	-.06	25	49
23-34-0062	6788630	1206797	12-66	3	305	22,807	3.11	710	29	17,160	3.56	611	8-71		42	897	-.08	20	44
23-34-0062	6951028	1347940	11-67	3	293	20,350	3.21	654	26	17,233	3.60	620	11-71	8	42	862	-.06	22	44
23-34-0062	7488441	1347940	8-69	1	240	28,290	2.55	720	25	17,180	3.47	597	12-71	8	36	1,367	-.13	29	65
23-34-0063	5955128	1347940	2-63	5	305	17,280	3.37	582	13	15,124	3.40	514	8-70		44	741	-.01	25	43
23-34-0063	7191095	1347940	1-67	1	305	21,020	3.47	729	15	16,030	3.50	561	8-70		36	902	.00	32	54
23-34-0073	7105683	1347940	9-67	2	305	19,070	3.23	616	12	15,595	3.58	558	4-71		40	852	-.04	24	45
23-34-0073	7290885	1347940	2-68	2	305	19,350	3.33	644	15	15,795	3.54	559	5-71		40	862	-.03	26	47
23-34-0073	7484837	1347940	11-68	1	305	19,260	3.64	702	11	15,400	3.77	581	11-70		36	813	-.01	28	48
23-34-0073	7744457	1347940	3-69	1	305	19,460	3.30	643	15	15,930	3.62	576	1-71		36	793	-.03	24	44
23-34-0075	7597622	1489981	11-69	1	305	19,890	3.02	601	17	12,110	3.59	435	11-71		35	759	.02	31	48
23-34-0078	6078000	1347940	3-64	6	290	16,503	3.24	535	7	13,485	3.48	469	1-72		44	831	-.04	24	45
23-34-0079	6773506	1347940	1-67	3	305	17,970	3.78	680	13	15,253	3.74	570	6-71		42	793	.01	30	49
23-34-0079	6773513	1347940	12-66	4	293	19,297	3.52	680	17	15,245	3.72	567	10-71		44	971	-.03	31	55
23-34-0081	7249967	1347940	4-67	3	299	15,406	3.86	594	13	13,003	3.40	442	8-71		42	731	.04	33	49

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C O	REPT (%)	.......C O W MILK (LB)	I N D E X....... FAT (%)	FAT (LB)	DOL-LARS
23-34-0085	6767069	1347940	12-66	1	305	22,060	3.47	765	11	16,920	3.45	584	3-72		36	920	.00	33	$ 55
23-34-0085	6935238	1347940	9-67	1	291	20,260	3.78	765	7	17,780	3.40	605	11-71		36	728	.03	31	47
23-34-0085	7239963	1347940	9-68	1	305	21,380	3.77	805	7	17,780	3.40	605	11-71		36	812	.03	34	52
23-34-0088	6717942	1347940	2-66	4	305	15,150	3.45	522	7	12,710	3.56	453	12-71		44	740	-.02	24	42
23-34-0089	6955555	1347940	9-67	2	305	19,290	3.18	613	10	13,915	3.51	489	7-71		40	1,028	-.05	30	56
23-34-0089	7668465	1521260	9-69	1	305	22,530	3.53	796	10	15,640	3.58	560	1-72		28	846	.02	33	53
23-34-0089	7668471	1347940	9-69	1	305	25,980	3.13	814	12	16,130	3.51	566	12-71		36	1,265	-.05	38	69
23-34-0093	6628264	1347940	3-65	6	286	17,066	4.07	695	16	15,376	3.79	583	3-72		44	684	.05	32	47
23-34-0093	6628267	1347940	4-65	6	288	18,043	3.71	669	17	15,628	3.76	588	3-72		44	781	.00	28	47
23-34-0093	7092537	1347940	6-68	2	305	18,935	4.10	777	14	14,850	3.88	576	6-71		40	907	.03	38	59
23-34-0094	6127803	1347940	7-64	6	305	20,813	3.51	731	8	15,731	3.73	587	2-72		44	1,126	-.03	36	64
23-34-0094	6127804	1347940	8-64	5	299	18,378	3.47	637	11	15,748	3.69	581	3-71		44	810	-.03	24	44
23-34-0094	6166174	1347940	12-64	5	300	18,844	3.79	715	9	15,780	3.74	590	5-71		44	866	.01	33	53
23-34-0094	6315457	1347940	3-65	4	304	20,230	3.34	675	11	15,962	3.78	603	5-71		44	1,006	-.07	26	52
23-34-0094	6416171	1347940	11-65	4	301	19,085	3.67	701	6	17,297	3.69	638	3-71		44	717	.00	26	43
23-34-0094	6457340	1347940	10-65	4	298	18,825	3.61	679	14	15,425	3.71	573	5-71		44	892	-.01	30	52
23-34-0094	6650401	1347940	10-66	3	305	22,086	3.35	739	12	16,350	3.58	586	7-71		42	1,153	-.04	35	64
23-34-0098	6443623	1347940	2-65	5	305	18,696	4.00	747	12	15,634	3.76	588	4-71		44	864	.04	38	57
23-34-0098	7073905	1347940	10-66	3	302	17,903	3.98	713	12	15,196	3.86	587	4-71		42	791	.02	32	5[illegible]
23-34-0098	7184718	1347940	9-66	2	305	19,300	3.58	690	28	15,850	3.74	592	10-70		40	852	-.02	28	4[illegible]
23-34-0098	7207737	1347940	9-68	2	305	22,380	3.41	763	27	16,825	3.77	635	2-72		40	1,076	-.05	31	58
23-34-0098	7363321	1347940	11-68	1	305	18,520	3.44	638	19	15,450	3.80	587	5-71		36	755	-.03	23	42
23-34-0098	7533377	1347940	10-68	1	280	16,830	4.06	683	21	15,260	3.81	581	6-71		36	642	.03	27	42
23-34-0098	7625869	1347940	11-69	1	305	22,950	3.54	812	26	14,810	3.85	570	7-71		36	1,128	-.02	37	65
23-34-0099	6494506	1347940	4-65	3	304	17,890	2.97	532	8	13,200	3.48	459	5-71		42	996	-.07	25	51
23-34-0099	6604365	1347940	8-66	2	305	18,250	3.81	696	8	14,740	3.76	554	3-71		40	847	.01	32	52
23-34-0102	6449181	1347940	8-65	3	287	18,163	4.34	789	13	15,130	3.55	537	7-71		42	828	.11	46	63
23-34-0104	6788969	1347940	3-67	3	305	24,263	3.75	911	11	17,330	3.63	629	11-71		42	1,302	.03	51	81
23-34-0104	7432022	1408080	11-69	1	305	26,060	3.26	850	18	18,660	3.76	701	11-71		36	931	-.09	20	45
23-34-0105	6856139	1347940	5-67	1	294	20,550	3.53	726	12	13,380	3.60	482	2-72		36	1,045	.00	37	62
23-34-0105	7222828	1493686	10-68	1	305	16,350	3.91	640	13	13,810	3.57	493	2-72		35	612	.06	31	44
23-34-0115	7273742	1347940	11-68	1	305	22,430	3.14	705	7	17,700	3.11	551	3-72		36	895	-.01	31	53
23-34-7025	7174268	1379208	10-68	2	305	22,060	3.37	744	12	17,535	3.49	612	3-72		40	780	-.01	26	45
23-34-7025	7413574	1347940	3-69	1	305	21,780	3.73	813	10	16,180	3.65	590	8-71		36	949	.01	36	58
23-35-0022	6930128	1347940	1-66	4	302	18,975	3.83	726	17	14,642	3.72	544	2-72		44	998	.02	39	62
23-35-0022	7127912	1347940	10-66	3	305	17,086	3.49	596	16	14,703	3.67	539	8-71		42	748	-.02	24	42
23-35-0022	7214370	1347940	2-67	3	305	15,896	4.25	675	17	14,283	3.79	541	11-71		42	655	.06	33	47
23-35-0022	7250122	1347940	3-67	3	305	18,163	3.86	701	15	13,950	3.75	523	12-71		42	950	.02	37	59
23-35-0022	7393057	1347940	10-67	3	305	15,936	3.96	631	17	13,950	3.79	529	3-72		42	694	.03	29	45
23-35-0022	7497205	1347940	3-68	1	305	22,950	3.42	785	18	14,660	3.83	561	11-70		36	1,138	-.03	36	64
23-35-0023	6023512	1178303	11-61	7	305	20,637	3.33	688	13	15,278	3.56	544	3-71		36	958	-.06	25	5[illegible]
23-35-0023	6715883	1347940	8-65	5	303	18,256	3.34	610	10	15,016	3.50	526	1-72		44	879	-.03	27	49
23-35-0023	6740633	1347940	2-66	3	305	18,776	3.62	679	10	15,436	3.50	541	12-70		42	867	.01	33	53
23-35-0023	6960224	1347940	10-66	3	304	17,786	3.49	621	9	15,123	3.51	531	1-71		42	785	-.01	27	46
23-35-0023	7112022	1347940	12-67	2	297	19,680	3.59	706	6	14,965	3.51	526	2-72		40	972	.01	36	59
23-35-0023	7156514	1347940	3-68	2	305	17,545	3.62	636	8	14,330	3.50	501	11-71		40	813	.01	31	5[illegible]
23-35-0023	7214125	1347940	4-67	3	289	17,283	3.43	593	9	14,510	3.51	510	11-71		42	791	-.02	26	45
23-35-0028	6630366	1347940	7-66	3	221	18,213	3.63	662	9	15,386	3.91	601	7-71	B	42	807	-.03	25	45
23-35-0028	7183641	1347940	6-68	2	305	19,530	3.57	697	10	15,650	3.81	597	9-71		40	894	-.03	28	5[illegible]
23-35-0028	7183645	1347940	10-68	2	305	20,145	3.67	740	11	15,665	3.82	598	9-71		40	955	-.01	33	56
23-35-0028	7255788	1347940	12-68	2	305	20,980	3.57	750	5	17,390	3.75	652	3-72		40	882	-.02	29	51
23-35-0028	7255789	1347940	1-69	1	177	19,680	3.76	739	10	16,880	3.83	646	9-71	B	36	745	.00	27	45
23-35-0028	7383103	1347940	4-69	1	305	22,130	3.80	841	11	16,830	3.78	637	10-71		36	931	.01	35	57
23-35-0028	7459648	1347940	12-69	1	305	21,750	3.61	786	9	16,740	3.72	622	12-71		36	909	-.01	32	54
23-35-0028	7459649	1347940	9-69	1	305	21,390	3.76	804	10	16,880	3.83	646	9-71		36	873	.00	32	53
23-35-0035	6919477	1347940	7-67	2	305	18,175	3.95	718	16	13,610	3.70	504	12-70		40	943	.03	39	61
23-35-0035	6955419	1347940	8-67	2	305	20,360	3.84	782	8	14,990	3.62	542	4-71		40	1,038	.03	42	66
23-35-0035	6955421	1347940	9-67	2	305	17,050	3.85	657	8	15,145	3.61	546	5-71		40	688	.03	29	45
23-35-0035	7334579	1347940	4-68	2	281	16,715	3.52	589	16	13,435	3.74	502	11-71		40	810	-.02	26	46
23-35-0055	6461013	1347940	10-65	3	305	18,990	3.91	742	11	14,816	3.83	567	11-71		42	956	.02	38	6[illegible]
23-35-0055	6749065	1347940	2-67	2	305	18,085	4.03	728	8	15,815	3.86	611	10-71		40	732	.02	30	47
23-35-0060	7110050	1347940	12-67	3	305	18,540	3.53	654	20	14,833	3.63	538	2-72		42	902	-.02	30	52
23-35-0060	7110051	1347940	12-67	1	305	18,990	3.69	701	19	15,290	3.57	546	3-71		36	801	.01	31	5[illegible]
23-35-0080	6432674	1347940	7-65	5	302	19,864	3.67	729	18	13,920	3.64	507	2-72		44	1,214	.01	45	74
23-35-0080	6785006	1347940	11-66	3	300	19,900	3.66	728	18	14,863	3.69	548	9-71		42	1,055	.00	38	63
23-35-0080	7078831	1347940	8-67	3	300	17,480	3.63	635	19	14,723	3.67	541	8-71		42	792	.00	28	47
23-35-0080	7078833	1347940	1-68	2	300	20,550	3.24	665	14	14,410	3.69	532	6-71		40	1,111	-.06	31	59
23-35-0082	6373334	1347940	7-65	5	302	19,704	3.21	632	17	16,718	3.59	601	11-71		44	869	-.07	21	44
23-35-0082	6373335	1347940	8-65	4	305	22,250	3.50	779	16	17,007	3.62	616	2-71		44	1,140	-.02	38	66
23-35-0082	6427036	1347940	10-65	4	305	19,485	3.42	666	16	17,017	3.56	605	8-71		44	797	-.02	25	45
23-35-0082	6610015	1469311	8-66	4	303	21,938	3.35	735	22	17,708	3.54	627	9-71		43	746	-.01	26	44
23-35-0082	6610017	1347940	9-66	4	305	24,200	3.52	851	23	18,190	3.65	664	12-71		44	1,249	-.03	41	71
23-35-0082	6871806	1347940	5-67	2	305	21,510	3.98	857	13	16,555	3.62	599	8-70		40	1,012	.05	44	67
23-35-0082	6881614	1347940	7-67	3	303	20,316	3.24	658	16	16,546	3.62	599	8-71		42	929	-.06	25	49
23-35-0082	6964967	1347940	10-67	2	305	21,560	3.35	723	14	18,570	3.63	674	3-71		40	833	-.04	24	45
23-35-0082	7262737	1411026	11-68	2	305	25,390	4.17	1060	25	19,745	3.69	729	1-72		40	544	.12	38	4[illegible]
23-35-0095	7379155	1427381	5-69	1	305	17,050	3.58	610	18	13,710	3.49	478	12-71		36	1,011	.04	43	[illegible]
23-35-0097	6133639	1417208	9-64	6	269	19,940	3.82	761	20	16,707	3.56	595	1-72	B	44	806	.05	37	5[illegible]
23-35-0097	6294850	1244845	5-65	5	278	22,128	3.35	742	18	16,422	3.56	584	10-71	B	44	958	-.06	25	5[illegible]
23-35-0097	6900157	1455668	7-67	2	304	20,625	3.82	787	30	16,465	3.55	585	6-71	B	29	745	.03	32	4[illegible]
23-35-0097	6900165	1360676	11-67	2	242	21,420	3.48	746	27	17,155	3.53	606	10-71	B	39	889	.01	33	5[illegible]
23-35-0097	7031971	1347940	3-68	2	282	21,320	3.25	693	26	16,070	3.67	590	7-71	B	40	1,037	-.05	29	5[illegible]
23-35-0097	7091104	1347940	7-68	2	287	19,860	3.74	742	26	16,070	3.67	590	7-71	B	40	889	.01	33	[illegible]
23-35-0099	6900158	1261857	7-67	3	305	18,940	3.52	666	17	15,183	3.73	567	1-72		42	832	.03	34	53
23-35-0099	6956914	1347940	8-67	2	305	17,760	3.58	635	31	14,490	3.61	523	8-71		40	820	.00	29	49

TABLE 3. HOLSTEIN USDA-OHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C O	REPT (%)	.......C O W MILK (LB)	I N D E X....... FAT (%)	FAT (LB)	DOL-LARS
23-35-0099	7158819	1261857	6-68	2	305	21,045	3.35	704	20	15,460	3.78	585	12-71		40	982	.00	36	$ 59
23-35-0099	7289381	1427381	10-68	1	305	21,300	3.57	761	17	14,840	3.86	573	5-71		36	1,252	.02	48	77
23-35-0099	7289386	1427381	2-69	1	305	17,150	4.10	704	27	14,590	3.71	541	7-71		36	959	.07	46	67
23-35-0106	7040405	1379208	8-67	1	305	19,270	4.30	828	7	15,480	3.77	583	2-72		35	600	.06	31	44
23-35-0106	7089235	1320310	1-68	2	305	18,725	3.61	676	6	16,670	3.55	591	7-71		40	789	-.03	24	44
23-35-C107	5681654	1199324	10-62	5	305	17,268	3.86	666	7	14,720	3.78	556	3-72		44	763	.01	29	47
23-35-0117	6461277	1347940	8-65	3	302	16,973	3.72	632	9	14,146	3.68	521	2-71		42	793	.01	30	49
23-35-0119	6630367	1347940	8-66	4	305	20,385	3.78	770	11	15,787	3.72	587	2-72		44	1,045	.02	40	64
23-35-0119	6864881	1347940	8-67	3	292	21,266	3.48	741	8	14,783	3.70	547	9-71		42	1,221	-.03	40	70
23-36-C001	6368692	1347940	8-65	2	305	17,205	3.81	656	13	15,225	3.76	572	5-71		40	697	.01	26	42
23-36-0001	7415527	1347940	9-69	1	297	19,160	3.56	682	15	15,500	3.74	579	10-71		36	799	-.01	27	46
23-36-0004	7296368	1309574	5-67	3	303	15,910	3.77	600	7	12,403	3.60	447	6-71		42	590	.06	31	43
23-36-0006	7111124	1399824	5-67	3	305	20,397	3.50	714	11	15,910	3.67	584	2-72		42	847	.00	30	50
23-36-0006	7348661	1420674	4-68	2	305	22,455	3.56	799	8	15,780	3.70	584	1-72		30	770	-.02	24	43
23-36-C010	6245458	1320310	9-64	6	302	19,142	3.77	722	17	15,995	3.82	611	1-72		44	946	-.03	29	52
23-36-0010	6732894	1368109	10-66	4	303	21,363	3.49	745	18	15,313	3.89	595	11-71		43	847	-.06	21	43
23-36-0014	5621598	1189870	4-62	7	302	19,986	3.60	720	6	15,471	3.77	583	3-71		44	794	-.01	27	46
23-36-0014	6425799	1347940	11-65	4	305	18,002	3.56	640	8	14,152	3.82	541	8-71		44	932	-.03	29	52
23-36-0023	6517464	1441440	10-65	3	305	21,083	3.59	756	19	15,846	3.69	585	12-70		42	976	.01	37	60
23-36-0023	6930982	1458744	7-67	3	299	19,646	3.66	719	22	15,440	3.65	563	9-71		42	931	.00	33	55
23-36-0025	5610703	1189870	7-62	5	302	19,692	3.45	679	13	15,356	3.72	572	10-71		44	769	-.03	23	42
23-36-0031	6713608	1309574	9-66	4	305	19,795	3.59	710	32	15,510	3.95	612	10-71		44	748	.00	27	45
23-36-0031	7479441	1526128	12-69	1	305	24,090	3.42	824	6	15,110	4.07	615	3-72		31	1,313	-.12	28	63
23-36-0032	5442822	1189870	7-61	8	294	17,304	4.33	750	11	14,439	3.87	559	4-71		44	567	.09	34	45
23-36-C035	6970611	1399824	3-67	3	299	18,377	3.77	693	32	13,760	3.97	546	4-72		42	837	.01	32	52
23-36-0035	6970615	1309574	9-67	2	305	17,225	3.92	675	26	12,540	3.88	486	4-71		40	674	.06	33	47
23-36-0035	7141214	1309574	3-68	2	298	18,550	3.51	651	29	13,315	3.94	524	1-72		40	737	.00	27	44
23-36-0035	7141215	1309574	4-68	2	305	15,715	4.52	710	33	13,130	3.94	517	12-71		40	466	.12	34	42
23-36-0046	6153144	1320310	7-64	6	303	18,488	3.73	689	32	14,493	3.95	573	11-71		44	1,036	-.05	29	55
23-36-C046	7011237	1320310	9-67	3	305	21,123	3.48	736	41	15,053	3.94	593	11-71		42	1,244	-.08	32	64
23-36-0046	7226814	1309574	10-68	2	302	18,655	4.03	752	30	14,940	3.88	579	11-71		40	599	.08	33	45
23-36-0052	7425061	1393031	12-69	1	305	20,940	3.57	748	13	12,270	3.80	466	12-71		36	932	-.10	19	44
23-36-0053	7473578	1309574	1-70	1	305	22,200	3.98	884	29	17,400	3.63	632	3-72		36	611	.09	35	47
23-36-C057	5639560	1383981	8-62	8	300	21,441	3.44	737	18	15,403	3.85	593	4-72		32	973	-.07	24	49
23-36-0057	5782892	1189870	3-63	7	303	21,566	3.43	739	16	15,367	3.81	585	4-72		44	1,010	-.05	29	54
23-36-0057	6371330	1320310	7-65	4	301	18,193	3.67	668	19	14,825	3.87	574	11-71		44	948	-.05	26	50
23-36-0057	6371331	1320310	7-65	4	305	21,580	3.73	806	18	14,858	3.86	574	12-71		44	1,362	-.04	43	77
23-36-0058	6349836	1436081	10-64	6	295	21,175	3.97	840	6	15,376	3.66	562	1-72		44	733	.09	40	55
23-36-0059	6639739	1320310	6-66	3	305	16,950	3.45	585	12	14,157	3.88	549	5-71		42	857	-.08	19	42
23-36-0059	6774466	1320310	12-66	3	304	17,167	3.33	572	10	13,460	3.92	527	6-71		42	954	-.09	20	45
23-36-0061	6660043	1399824	10-66	3	304	18,703	4.03	754	11	15,883	3.88	617	7-71		42	655	.05	31	45
23-36-0061	7183629	1399824	10-68	1	305	22,100	3.66	809	15	16,990	3.86	655	1-71		36	745	.01	28	46
23-36-0065	5547951	1261422	9-61	4	305	26,683	3.57	953	12	17,065	3.74	638	11-71		43	1,096	-.04	33	60
23-36-C067	5448630	1189870	9-61	7	303	17,761	4.03	716	14	14,520	3.92	569	12-71		44	617	.04	28	42
23-36-C067	6668711	1347940	11-66	3	305	18,753	3.50	657	15	14,846	3.77	559	1-72		42	925	-.03	29	52
23-36-0067	6782853	1458744	10-66	3	302	20,540	3.53	726	20	15,596	3.76	586	11-71		42	1,017	-.03	32	57
23-36-0079	5821366	1189870	12-62	6	305	19,765	4.18	827	12	16,600	3.92	651	3-72		44	634	.07	33	46
23-36-0079	6922819	1393031	12-67	3	305	24,066	3.26	785	16	17,056	3.99	681	1-72		42	1,111	-.17	13	44
23-36-0079	7293267	1320310	11-68	2	305	18,930	3.86	730	19	16,235	4.11	668	12-71		40	850	-.05	23	45
23-36-0080	6547612	1320310	3-66	5	291	16,466	3.66	603	11	13,990	3.66	512	1-72		44	833	-.03	25	46
23-36-C080	7452874	1526128	9-69	1	305	23,070	3.00	693	14	15,440	3.72	574	7-71		31	1,207	-.15	20	53
23-36-C106	4588033	1099477	10-56	11	304	19,832	4.15	824	12	13,703	3.82	523	12-71		44	795	.09	43	59
23-36-0110	6871713	1399824	3-67	3	305	20,987	3.43	719	33	16,700	4.01	669	10-71		42	833	-.05	22	43
23-36-C110	7195174	1427381	7-68	2	305	21,045	4.14	871	28	17,250	4.04	697	12-71		40	1,135	.06	51	76
23-36-C110	7195175	1427381	8-68	1	305	21,710	3.85	836	19	16,710	3.77	630	5-71		36	1,157	.05	50	76
23-36-C110	7195176	1427381	8-68	1	305	23,180	3.83	888	19	16,710	3.77	630	5-71		36	1,267	.05	54	83
23-36-0110	7287401	1320310	1-69	1	305	21,280	3.21	683	28	16,430	3.90	641	8-71		36	970	-.10	20	46
23-36-0114	6620260	1459474	5-66	4	305	21,293	3.17	674	36	14,580	3.70	540	2-72		30	1,024	-.10	21	48
23-36-C115	6337508	1441440	5-65	5	305	16,662	3.99	664	54	13,818	3.65	504	12-71		44	703	.07	36	51
23-36-0115	6408037	1441440	8-65	4	305	18,680	3.70	692	44	14,272	3.51	501	4-71		44	892	.04	39	59
23-36-0128	7585890	1441440	12-69	1	305	19,000	4.27	812	17	16,300	3.72	606	3-72		36	608	.08	34	46
23-36-C129	7154923	1427615	5-68	2	305	23,265	2.90	675	20	16,485	3.69	608	11-71		40	1,169	-.20	11	44
23-36-C139	6424751	1347940	8-65	5	301	17,818	3.69	657	17	14,196	3.77	535	10-71		44	918	-.01	32	54
23-36-C139	6424752	1399824	9-65	4	305	19,273	3.56	687	13	16,368	3.60	590	10-71		44	689	.01	27	43
23-36-C139	6529950	1441440	1-66	4	305	19,397	4.00	775	12	16,437	3.50	576	8-71		44	740	.09	41	56
23-36-0139	6648603	1347940	8-66	3	305	18,823	4.19	788	17	14,630	3.79	554	11-70		42	956	.06	44	65
23-36-0139	6648604	1347940	10-66	3	305	21,960	4.28	939	8	16,100	3.65	588	6-71		42	1,164	.10	58	83
23-36-0139	6968689	1347940	7-67	2	305	19,050	3.91	744	20	15,440	3.78	583	11-70		40	864	.02	34	54
23-36-0139	7343629	1320310	3-69	1	305	18,710	3.80	711	12	16,130	3.64	587	6-71		36	798	-.02	26	45
23-36-0145	6112683	1320310	7-64	5	304	19,392	3.50	679	33	15,896	3.92	623	11-71		44	990	-.09	22	48
23-36-C145	6709291	1347940	9-66	4	235	19,382	3.62	702	20	15,292	3.76	575	2-72	B	44	976	-.01	33	57
23-36-0175	7256376	1320310	2-68	2	265	16,765	3.54	594	5	12,520	3.82	478	2-72		40	970	-.06	26	51
23-36-C177	6240713	1320310	8-64	4	305	16,525	3.72	615	9	14,043	3.85	541	6-71		44	828	-.05	23	44
23-36-0181	5703663	1335588	11-62	6	305	19,272	3.50	675	15	14,107	3.86	545	2-71		39	930	-.09	20	45
23-36-0187	7255380	1320310	2-69	1	305	20,470	3.89	796	16	12,810	3.65	468	7-71		36	1,152	-.01	40	58
23-36-0211	6478063	1347940	1-66	3	305	16,536	3.97	657	8	14,950	3.77	563	4-71		42	660	.03	28	43
23-36-C211	6629804	1347940	4-66	3	305	18,683	3.97	741	12	15,483	3.75	580	1-71		42	851	.03	36	55
23-36-0227	6883617	1347940	6-67	3	305	15,506	3.97	615	15	13,400	3.57	479	9-71		42	702	.04	32	48
23-36-0227	7084596	1347940	1-68	2	305	16,630	4.03	671	17	13,195	3.57	471	11-71		40	824	.05	37	55
23-36-0227	7304452	1347940	5-69	1	305	16,290	3.67	598	21	12,830	3.60	462	10-71		36	764	.01	29	47
23-36-0234	5757107	1210455	11-62	7	305	18,936	4.22	800	16	15,780	3.80	599	9-71		39	524	.11	36	45
23-36-0234	6396662	1347940	9-65	4	305	25,447	3.49	888	16	15,752	3.76	592	3-72		44	1,674	-.04	54	95
23-36-0234	6571181	1347940	4-66	4	305	17,335	3.68	638	23	14,772	3.76	556	12-71		44	781	-.01	27	46
23-36-0234	6577282	1347940	4-66	1	305	20,250	3.47	702	24	15,000	3.85	577	11-71		36	914	-.03	29	51
23-36-0234	6663020	1347940	5-66	4	305	18,452	3.92	724	9	15,212	3.69	561	3-72		44	870	.04	37	57

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C O	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
23-36-0234	6664385	1441440	3-66	4	305	21,622	3.35	725	23	15,030	3.84	577	11-71		44	1,171	-.05	35	$ 64
23-36-0234	6749965	1436081	10-66	3	305	22,166	3.65	809	19	15,986	3.77	602	12-71		42	700	.02	29	45
23-36-0234	6749969	1399824	12-66	3	305	18,053	4.08	736	19	15,960	3.75	598	5-71		42	573	.07	31	43
23-36-0234	6786024	1347940	3-67	2	305	20,265	3.88	786	16	15,885	3.85	612	1-72		40	947	.01	36	58
23-36-0236	6980351	1458744	2-68	2	305	17,090	3.97	678	12	13,380	3.89	521	6-71		40	816	.01	31	50
23-36-0236	7138059	1320310	7-68	2	287	17,325	3.46	600	27	13,995	3.98	557	10-71		40	892	-.08	20	43
23-36-0236	7227448	1427381	10-68	2	305	18,065	3.54	640	21	14,360	3.98	571	2-72		40	1,097	.00	39	65
23-36-0250	5761857	1189870	11-62	6	305	18,412	4.03	742	10	13,863	3.80	527	2-72		44	777	.05	36	53
23-36-0259	5732192	1388663	12-62	7	272	20,499	4.12	845	21	15,279	3.74	572	10-71		39	849	.10	46	63
23-36-0259	6983075	1445198	6-67	3	290	17,486	4.31	753	10	15,773	3.55	560	3-72		34	418	.15	37	43
23-36-0259	7460057	1445198	6-69	1	305	21,050	3.41	718	23	15,910	3.48	554	11-71		26	656	.02	27	42
23-36-0259	7460058	1445198	6-69	1	305	19,970	3.31	661	24	13,780	3.56	491	9-71		26	729	.00	27	44
23-36-0265	6985149	1309574	10-67	3	305	18,960	3.72	706	10	14,807	3.86	571	2-72		42	692	.03	30	46
23-36-0265	6985150	1309574	12-67	2	305	19,140	3.39	649	17	13,450	3.78	508	11-71		40	785	.00	29	48
23-36-0308	6652956	1347940	3-66	3	305	19,523	3.59	700	12	15,863	3.66	581	9-70		42	909	-.01	31	53
23-36-0308	6843581	1347940	7-67	2	305	20,535	3.56	731	5	15,960	3.71	592	1-71		40	968	-.02	32	56
23-36-0310	7068167	1347940	3-68	1	305	18,720	3.79	710	17	13,120	3.90	512	2-71		36	926	.00	34	56
23-36-0310	7358447	1347940	7-69	1	305	15,480	3.83	593	9	12,930	3.67	474	9-71		36	697	.01	27	43
23-36-0318	4905892	1189870	5-59	8	304	20,611	3.52	726	8	15,443	3.84	593	5-71		44	877	-.04	26	48
23-36-0318	6462736	1347940	9-65	4	305	20,097	3.89	782	13	17,567	3.75	659	2-72		44	811	.02	33	52
23-36-0318	6688592	1399824	12-66	3	305	19,907	3.50	697	9	16,273	3.84	625	9-71		42	753	-.02	24	42
23-36-0318	7142299	1399824	9-68	2	305	21,345	3.75	800	12	17,445	3.90	681	12-71		40	752	.01	29	47
23-36-0326	7423472	1320310	1-69	1	305	19,620	3.77	739	18	16,660	3.46	576	2-72		36	831	-.01	28	48
23-36-0327	6919878	1393031	9-67	3	304	23,583	2.83	667	8	16,003	3.72	596	4-72		42	1,164	-.22	8	42
23-36-0331	7057815	1347940	4-68	2	301	16,015	3.77	603	14	12,825	3.61	463	8-71		40	795	.02	31	50
23-36-0332	6444377	1460991	8-65	5	301	20,014	3.61	723	16	15,148	3.74	566	3-72		32	784	-.01	26	45
23-36-0333	7203774	1309574	4-68	2	297	17,170	3.76	646	17	12,735	3.88	494	9-71		40	650	.04	29	43
23-36-0333	7208431	1347940	10-68	1	305	17,820	3.56	635	12	13,190	3.90	515	6-71		36	854	-.02	28	49
23-36-0346	6434265	1347940	10-65	3	305	19,130	4.29	821	11	13,860	3.85	533	8-71		42	1,071	.07	50	73
23-36-0346	7003271	1389915	8-67	3	305	19,247	3.78	728	18	14,703	3.80	558	11-71		40	899	-.02	29	51
23-36-0347	5681991	1181068	3-62	7	303	20,696	3.52	728	10	15,331	3.80	582	3-72		44	793	-.04	23	43
23-36-0347	7328737	1441440	11-68	1	305	17,200	3.77	649	12	13,950	3.66	511	6-71		36	632	.03	28	42
23-36-0378	6356974	010233528	12-62	3	246	20,847	4.07	849	54	14,653	3.69	541	10-71		42	760	.04	34	51
23-36-0378	6374777	1454185	8-65	5	305	18,706	3.87	723	35	14,206	3.67	521	12-71		34	788	.06	38	55
23-36-0378	6377176	1347940	1-65	3	305	19,776	3.70	731	37	15,863	3.66	581	11-71		42	938	.01	35	57
23-36-0378	6603291	1320310	9-65	4	305	19,443	3.28	637	45	14,783	3.69	546	11-71		44	1,107	-.10	25	54
23-36-0378	6999336	1320310	9-66	3	303	21,033	3.30	695	36	15,057	3.68	554	3-71		42	1,234	-.09	31	53
23-36-0378	7385861	1427615	7-69	1	305	21,680	3.63	788	51	14,490	3.58	519	11-71		36	1,025	-.08	24	51
23-36-0386	6738932	1399824	7-66	4	305	20,668	3.59	742	14	16,165	3.75	606	3-72		44	884	.00	32	52
23-36-0386	6954525	1347940	1-68	2	282	18,070	3.59	649	16	14,950	3.67	548	10-71		40	810	-.01	28	46
23-36-0386	7060384	1347940	10-67	3	304	18,990	3.28	622	19	16,006	3.76	602	3-72		42	833	-.07	20	42
23-36-0386	7375255	1399824	6-68	2	305	21,200	3.32	704	14	15,325	3.73	572	1-72		40	931	-.03	29	52
23-36-0388	7052646	1347940	2-67	3	300	16,593	3.70	614	11	14,450	3.73	539	9-71		42	718	.00	25	43
23-36-0408	5996496	1189870	6-63	6	300	21,225	3.69	784	24	16,270	3.77	613	5-71		44	861	.01	32	52
23-36-0408	6694100	1394824	4-65	4	302	20,560	3.50	720	36	15,267	3.87	591	10-70		39	896	-.06	23	45
23-36-0408	7289814	1427615	2-69	1	305	21,980	3.71	816	39	16,720	3.51	587	10-71		36	898	-.07	21	44
23-36-0408	7802432	1399824	5-69	1	305	23,440	3.62	848	50	17,430	3.49	608	11-71		36	816	.03	34	53
23-36-0411	7025235	1309574	12-67	2	305	17,435	3.85	671	12	13,770	3.59	494	5-71		40	582	.07	32	44
23-36-0411	7698007	1320310	6-69	1	305	17,240	3.73	643	21	13,340	3.61	482	6-71		36	876	-.02	28	50
23-36-0417	6187726	1320310	10-64	6	296	18,323	3.74	686	23	16,598	3.77	625	7-71		44	770	-.03	23	42
23-36-0417	6905614	1320310	7-67	3	305	19,750	3.49	690	21	17,263	3.82	660	10-71		42	858	-.08	19	42
23-36-0418	7191437	1347940	12-68	1	280	16,960	3.44	584	19	13,930	3.58	498	10-71		36	741	-.01	25	43
23-36-0418	7475434	1320310	6-69	1	305	16,540	3.89	643	15	13,310	3.59	478	11-71		36	826	-.01	28	48
23-36-0421	6424749	1399824	7-65	5	305	16,984	3.69	626	16	13,840	3.90	540	2-72		44	761	.00	25	42
23-36-0421	6550699	1399824	12-65	3	285	19,017	4.29	815	18	14,130	3.86	546	4-71	H	42	873	.10	46	64
23-36-0421	6636262	1347940	9-66	3	303	18,503	3.78	699	13	14,413	3.87	558	7-71		42	941	.00	34	56
23-36-0421	7231740	1320310	1-69	1	305	15,900	3.52	559	18	12,650	3.73	472	7-71		36	822	-.05	22	43
23-36-0424	6230640	1320310	10-64	5	305	19,744	3.56	703	12	14,746	3.75	553	12-71		44	1,169	-.05	34	63
23-36-0424	6916225	1441440	7-67	3	305	19,813	3.19	632	18	14,473	3.87	560	11-71		42	972	-.07	25	51
23-36-0424	7232468	1399824	9-68	2	305	19,075	3.71	707	19	14,210	3.85	547	11-71		40	817	.01	31	51
23-36-0427	5051343	1189870	8-59	5	305	23,192	4.05	939	15	14,896	3.91	583	1-72		44	1,274	.06	55	84
23-36-0427	6483406	1237057	10-65	4	292	20,575	3.57	735	15	15,925	3.91	623	4-71		44	856	-.08	19	42
23-36-0428	6178532	1320310	11-64	5	305	18,692	4.45	832	9	16,294	3.74	610	1-72		44	853	.09	44	62
23-36-0428	6342300	1320310	1-65	5	303	20,866	3.59	750	10	16,098	3.80	611	10-71		44	1,156	-.06	33	62
23-36-0428	6433206	1441440	12-65	4	304	19,345	3.49	676	13	16,372	3.79	621	9-71		44	740	-.02	24	42
23-36-0428	7115978	1309574	4-68	2	304	19,690	4.28	842	10	16,930	3.69	624	4-71		40	523	.12	37	45
23-36-0436	6277667	1320310	10-64	5	305	15,874	3.63	577	47	13,140	3.78	497	9-71		44	856	-.05	24	46
23-36-0436	6349429	1320310	2-65	5	294	15,756	4.40	693	31	13,722	3.77	517	4-72		44	773	.06	37	54
23-36-0436	6734520	1320310	8-66	3	305	17,037	4.04	688	62	13,710	3.82	524	12-71		42	914	.00	33	55
23-36-0436	7375213	1320310	3-69	1	305	17,120	3.87	662	76	14,010	3.89	545	12-71		36	822	-.03	25	45
23-36-0443	5993926	1189870	8-63	7	299	23,994	3.70	887	14	16,280	3.99	650	12-71		44	1,217	-.02	41	7[illegible]
23-36-0443	7476334	1399824	7-69	1	305	22,410	4.73	1060	27	17,120	3.97	680	11-71		36	760	.12	45	6[illegible]
23-36-0448	7030739	1347940	4-67	2	305	18,680	3.45	645	17	14,770	3.78	558	2-71		40	888	-.03	27	49
23-36-0448	7079808	1427615	10-67	2	305	23,190	3.35	778	21	14,690	3.76	552	9-71		40	1,325	-.13	27	62
23-36-0454	6852542	1399824	5-67	2	305	17,285	3.60	622	18	13,000	3.76	489	1-71		40	746	.01	28	46
23-36-0458	7454004	1347940	1-68	2	305	15,050	4.11	618	29	12,945	3.68	476	11-71		40	686	.04	31	46
23-36-0463	5871473	1189870	9-63	5	305	17,008	4.13	702	33	14,116	3.66	517	2-71		44	567	.08	32	43
23-36-0463	6899960	1477877	8-67	2	305	20,695	3.58	741	31	15,535	3.64	565	2-71		29	749	-.01	25	43
23-36-0469	6702462	1469044	10-66	3	305	20,537	3.22	661	16	14,833	3.61	536	4-72		38	860	-.06	22	44
23-36-0471	7162187	1399824	6-68	2	303	18,805	3.20	601	10	13,910	3.78	526	9-71		40	817	-.04	23	44
23-36-0474	6996358	1347940	6-67	3	292	20,100	3.65	734	15	15,583	3.63	566	9-71		42	1,004	.01	37	61
23-36-0474	6996362	1347940	11-67	2	305	18,185	3.67	668	10	15,775	3.73	589	8-71		40	746	-.01	26	44
23-36-0476	7118568	1309574	3-68	2	305	17,580	3.90	686	27	13,855	3.83	531	7-71		40	589	.06	30	42
23-36-0476	7333146	1399824	1-69	2	305	17,250	4.12	711	20	14,475	3.83	554	2-72		40	607	.06	31	44
23-36-0478	4977152	1189870	7-59	8	305	23,485	4.52	1061	15	16,838	3.90	657	12-71		44	1,086	.15	62	84

TABLE 3. HOLSTEIN USOA-DHIA HIGH RANKING COWS (CONTINUEO).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PROOUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HEROMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVO MO-YR	T C O	REPT (%)	.......C O W I N O E X....... MILK (LB)	FAT (%)	FAT (LB)	OOL-LARS
23-36-0478	5123585	1189870	10-59	10	304	23,023	3.57	823	15	17,478	3.96	693	2-72		44	952	-.05	27	$ 51
23-36-0478	5647818	1189870	8-62	6	303	21,260	3.53	750	43	15,633	3.97	620	7-71		44	939	-.05	26	50
23-36-0478	5670731	1189870	11-62	6	305	22,555	3.79	854	14	16,782	3.94	661	1-72		44	973	.00	35	58
23-36-0495	7343203	1399824	7-67	3	305	20,523	3.23	663	19	16,183	3.77	610	11-71		42	833	-.06	21	42
23-36-C495	7647882	1309574	10-68	2	305	19,710	3.91	771	11	16,255	3.75	610	2-72		40	586	.07	32	44
23-36-0497	6285957	1402118	2-65	5	305	22,836	4.11	939	8	17,550	3.95	694	2-72		44	884	.03	37	57
23-36-0519	5440974	1189870	8-61	5	305	18,766	4.24	796	19	14,938	3.86	577	5-71		44	698	.08	37	51
23-36-0531	6745327	1399824	12-66	3	305	18,130	3.78	686	11	14,250	3.80	541	9-71		42	758	.02	31	48
23-36-0531	6860233	1399824	3-67	3	305	18,363	3.93	722	12	14,650	3.67	538	6-71		42	744	.06	36	52
23-36-C531	6860234	1399824	3-67	3	302	19,127	3.84	735	10	14,273	3.98	568	11-71		42	871	.02	34	54
23-36-0531	6992651	1399824	10-67	2	305	17,900	4.12	737	12	14,390	3.93	565	1-71		40	681	.06	33	48
23-36-0531	7157705	1347940	6-68	2	301	18,130	3.78	685	14	13,580	3.94	535	12-71		40	941	-.01	33	56
23-36-0536	6516824	1320310	7-65	5	305	17,576	3.78	665	45	15,906	3.74	595	11-71		44	754	-.02	24	43
23-36-C536	6516826	1441440	8-65	4	303	19,290	3.54	682	37	15,690	3.76	590	8-71		44	8C9	-.01	28	47
23-36-C536	6760421	1309574	11-66	3	305	22,033	3.32	731	41	15,337	3.78	580	10-71		42	991	-.02	32	56
23-36-0536	7092855	1320310	7-67	3	301	18,727	3.72	696	43	15,860	3.76	596	10-71		42	885	-.03	27	49
23-36-0536	7327152	1320310	1-69	1	305	19,350	3.96	767	35	15,370	3.76	578	8-71		36	897	-.02	30	52
23-36-C536	7763688	1320310	3-69	1	305	20,850	3.22	671	31	15,060	3.77	568	7-71		36	1,030	-.09	24	51
23-36-0536	7763690	1320310	4-69	1	305	20,970	3.75	786	43	15,530	3.72	578	9-71		36	1,0C7	-.03	32	57
23-36-0546	7216640	1399824	11-68	2	305	17,365	4.07	706	10	14,590	3.63	530	3-72		40	6C8	.07	33	45
23-36-0550	6607849	1399824	6-66	4	298	15,320	4.28	656	14	12,510	3.77	472	3-72		44	630	.09	36	49
23-36-C560	7414992	1427381	9-69	1	305	18,270	3.56	651	27	15,420	3.79	585	10-71		36	987	.02	39	62
23-36-C566	7208433	1347940	9-68	2	305	17,035	3.76	640	12	14,160	3.86	546	8-71		40	777	-.01	27	46
23-36-0566	7230779	1347940	10-68	1	305	20,760	4.21	875	16	15,070	3.79	571	10-70		36	947	.05	42	63
23-36-C570	5662521	1192713	11-60	4	305	19,495	3.47	676	9	15,218	3.56	541	4-71		44	751	-.02	24	42
23-36-0579	6234845	1320310	10-64	5	300	19,262	3.65	703	18	14,708	3.77	554	4-71		44	1,111	-.05	33	61
23-36-0579	7405377	1427615	9-69	1	305	20,230	2.99	604	24	12,940	3.65	472	10-71		36	1,021	-.15	13	42
23-36-0585	6826259	010270856	3-65	5	305	19,276	3.40	655	11	14,030	3.62	508	3-72		32	826	-.04	24	45
23-36-0585	6828335	1309574	7-67	3	269	17,067	3.59	612	13	12,803	3.69	472	8-71		42	682	.03	29	44
23-36-0599	6581208	1399824	7-66	4	305	19,888	3.58	711	12	17,013	3.71	632	1-72		44	694	.0C	25	42
23-36-0599	7266391	1309574	11-68	2	303	25,790	3.21	829	12	17,535	3.69	647	4-72		40	1,087	-.03	34	61
23-36-0603	6005083	1385452	3-63	5	305	20,908	3.81	797	11	16,328	3.94	644	4-72		32	757	.00	27	45
23-36-0604	6472287	1347940	12-65	4	305	19,300	4.06	784	11	15,542	3.71	576	1-71		44	938	.06	43	64
23-36-0604	6571644	1261857	5-66	4	294	16,458	3.50	576	12	14,483	3.60	522	6-71		44	627	.04	29	43
23-36-C604	6571645	1261857	6-66	3	292	19,217	3.77	725	11	15,603	3.78	590	2-71		42	821	.06	39	57
23-36-0604	6717933	1261857	12-66	3	300	16,913	3.98	673	12	14,957	3.80	568	3-71		42	623	.08	35	48
23-36-0604	6845023	1347940	3-67	3	305	21,726	3.33	723	9	15,493	3.63	563	1-72		42	1,200	.05	36	66
23-36-0604	7240205	1347940	1-69	1	305	17,110	3.93	672	15	14,720	3.48	512	7-71		36	699	.04	31	47
23-36-0604	7337185	1347940	5-69	1	305	17,150	3.96	679	13	14,940	3.51	524	8-71		36	687	.03	30	45
23-36-0604	7371880	1427381	6-69	1	305	18,150	3.90	708	12	15,760	3.59	566	11-71		36	956	.07	45	60
23-36-0604	7371881	1330987	8-69	1	305	22,360	3.31	741	10	16,500	3.63	599	12-71		36	770	.00	28	46
23-36-0607	6813877	1399824	2-67	1	305	19,680	3.28	645	19	13,560	3.79	514	8-71		36	795	-.02	26	45
23-36-0609	5703660	1382322	8-62	5	305	21,356	3.69	787	12	15,490	3.80	589	6-71		38	649	.04	30	44
23-36-0609	6709250	1481311	10-66	2	305	21,405	3.56	761	15	14,545	3.88	564	3-71		30	788	-.02	26	45
23-36-C612	6320587	1347940	2-65	6	278	17,010	3.73	634	10	14,930	3.66	546	12-71		44	729	.01	28	45
23-36-C612	6774124	1347940	9-66	4	293	19,037	3.51	668	13	14,125	3.77	532	10-71		44	1,063	-.03	33	59
23-36-0612	7276160	1347940	11-68	1	299	15,610	3.66	572	19	12,540	3.86	484	7-71		36	733	-.01	25	43
23-36-0619	6973948	1320310	1-68	2	305	18,785	3.35	630	7	15,285	3.73	570	2-71		40	922	-.08	21	45
23-36-0622	7389049	010275932	2-65	2	305	20,910	3.76	786	12	15,435	3.58	552	2-72		40	690	.04	31	46
23-36-0625	6530519	1320310	7-65	4	305	18,220	3.68	671	9	13,950	3.80	530	7-71		44	1,048	-.04	31	57
23-36-0627	7215660	1347940	12-68	1	305	22,790	3.70	844	15	16,830	3.75	631	11-71		36	980	.00	36	59
23-36-C644	6776176	1320310	11-66	3	305	20,260	3.50	710	23	15,733	3.78	595	9-71		42	1,075	-.07	28	56
23-36-C644	6962235	1347940	1-68	2	305	18,265	3.45	631	22	15,420	3.64	561	9-71		40	786	-.02	25	44
23-36-0644	6970632	1320310	8-67	2	305	18,360	3.20	587	15	15,315	3.60	551	6-71		40	876	-.08	19	42
23-36-C644	7151058	1347940	8-68	2	305	18,820	3.68	692	21	15,855	3.65	578	2-72		40	8C3	.01	30	49
23-36-0649	6973552	1417208	11-67	2	305	19,845	3.04	603	18	13,660	3.74	511	9-71		40	1,0C7	-.07	25	51
23-36-0649	6973553	1417208	12-67	2	305	17,735	3.56	632	15	13,945	3.69	515	11-71		40	766	.00	27	45
23-36-C649	7116542	1417208	6-68	1	305	20,640	3.69	761	6	16,730	3.77	631	4-71		36	719	.01	27	44
23-36-0649	7184164	1427381	7-68	2	305	17,470	3.62	633	12	14,030	3.68	516	12-71		40	1,067	.04	44	68
23-36-C652	6659754	1461578	6-66	4	305	21,182	2.96	628	15	15,200	3.51	533	11-71		40	933	-.08	22	46
23-36-0653	7116618	1320310	7-68	2	303	18,630	3.48	649	40	14,935	3.69	551	7-71		40	938	-.06	25	49
23-36-0653	7433947	1320310	2-69	1	305	20,370	3.52	718	41	15,590	3.64	567	7-71		36	958	-.05	27	51
23-36-0666	7119481	1399824	5-68	2	148	20,145	3.81	767	9	17,285	3.59	621	2-71	B	40	644	.05	31	45
23-36-0670	7041138	1441440	11-67	2	305	18,915	3.54	669	12	14,675	3.71	544	4-71		40	802	.01	30	49
23-36-C670	7236288	1347940	5-67	3	300	18,286	3.61	660	17	13,826	3.81	527	8-71		42	977	-.02	32	56
23-36-0670	7542770	1441440	12-69	1	305	17,890	3.54	634	6	13,890	3.77	524	3-72		36	687	.01	26	42
23-36-0672	6952532	1488498	8-67	3	305	18,153	3.89	706	19	13,240	3.88	514	3-72		29	684	.02	28	44
23-36-0673	6902654	1347940	10-66	3	305	19,140	3.61	690	16	15,600	3.76	587	4-71		42	892	-.01	30	52
23-36-0673	6902655	1347940	12-66	3	305	19,730	3.53	697	16	15,520	3.80	589	2-71		42	968	-.03	30	54
23-36-0673	6902656	1347940	1-67	2	305	21,805	3.37	735	9	15,855	3.65	579	5-71		40	1,106	-.04	34	61
23-36-0673	7014518	1347940	8-67	3	305	17,023	3.57	608	16	14,330	3.80	545	10-71		42	780	-.03	24	43
23-36-0673	7263638	1347940	8-68	2	305	18,060	3.60	651	9	14,685	3.77	553	3-72		40	833	-.01	28	48
23-36-0673	7332908	1347940	10-68	2	305	18,365	3.51	644	15	13,555	3.89	527	11-71		40	967	-.04	29	53
23-36-0673	7332910	1347940	10-68	2	305	18,865	3.70	698	17	14,020	3.84	538	11-71		40	975	-.01	34	57
23-36-0673	7540348	1347940	8-69	1	305	25,320	3.44	870	19	13,360	3.94	526	11-71		36	1,402	-.04	45	79
23-36-0675	6999725	1320310	2-67	3	303	17,130	3.29	563	9	13,200	3.64	481	6-71		42	977	-.08	23	48
23-36-0675	7000444	1347940	2-68	2	305	18,125	3.56	646	17	14,495	3.59	520	10-71		40	857	-.01	30	51
23-36-0675	7147742	1320310	6-68	2	305	20,280	3.20	649	17	15,730	3.61	568	12-71		40	1,033	-.09	24	51
23-36-0679	5824377	1399824	1-63	6	300	16,470	4.35	716	21	14,580	3.92	571	8-71		44	549	.09	33	44
23-36-0679	6538847	1399824	2-65	5	301	18,270	3.68	673	17	14,328	3.98	570	12-71		44	810	-.01	28	48
23-36-0679	6575995	1466295	6-66	3	305	19,366	4.19	812	24	15,923	3.89	620	1-71		36	5C1	.11	34	43
23-36-0679	6899425	1399824	8-67	3	300	19,603	3.51	689	18	15,593	4.01	626	10-71		42	789	-.04	23	43
23-36-0679	6945282	1441440	10-67	3	235	19,190	3.83	735	27	15,696	3.98	625	10-71	B	42	774	.01	30	48
23-36-0684	6758511	1347940	2-67	2	297	22,195	3.72	825	31	13,410	3.75	503	8-70		40	1,369	.00	50	82
23-36-0684	6971230	1458744	9-67	2	305	16,815	3.51	590	34	13,675	3.77	515	9-70		40	761	-.03	23	42

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C O	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
23-36-0685	5970585	1189870	1-63	7	286	16,590	4.01	665	6	13,084	3.87	506	3-72		44	633	.04	29	$ 43
23-36-0685	6981573	1347940	5-66	3	299	15,816	4.18	661	8	13,243	3.84	508	5-71		42	753	.05	34	51
23-36-0685	7090138	1347940	11-66	3	305	15,396	4.18	644	8	13,603	3.80	517	10-71		42	668	.05	31	46
23-36-0685	7090139	1347940	2-67	2	305	16,635	4.15	690	9	13,270	3.89	516	9-70		40	817	.04	35	53
23-36-0688	6659861	1309574	9-66	4	305	16,663	4.43	738	16	14,875	3.84	571	11-71		44	431	.13	35	42
23-36-0688	7196356	1320310	11-68	2	305	19,530	3.23	631	7	15,380	3.63	558	4-72		40	989	-.08	23	49
23-36-0693	6617087	1441440	9-66	4	304	18,275	3.93	718	17	14,395	3.83	552	12-71		44	828	.05	37	55
23-36-0706	5337728	1244845	3-61	7	299	20,340	3.63	738	21	15,960	3.60	575	12-71		44	781	-.02	25	44
23-36-0706	5552819	1332563	1-62	6	281	18,665	3.84	716	24	15,470	3.74	579	6-71		36	595	.05	29	42
23-36-0706	7415835	1347940	6-69	1	285	15,950	4.11	656	33	13,480	3.62	488	10-71		36	695	.04	31	46
23-36-0706	7438861	1427381	10-68	1	305	21,870	4.03	882	22	12,700	4.10	521	12-70		36	1,438	.06	61	94
23-36-0706	7483758	1427381	8-69	1	305	19,520	3.80	742	26	13,240	3.63	480	8-71		36	1,227	.06	53	81
23-36-0707	7465781	1441440	11-69	1	305	21,350	3.60	768	12	15,850	3.72	589	12-71		36	813	.02	32	51
23-36-0709	7464885	1458744	2-69	1	305	16,710	3.81	637	34	12,930	3.75	485	9-71		36	749	.00	27	45
23-36-0712	5436231	1244845	10-61	8	302	19,629	3.44	675	6	14,460	3.76	543	5-71		44	863	-.07	21	43
23-36-0712	7030962	1320310	2-67	3	305	16,487	3.63	599	13	14,577	3.62	528	1-72		42	761	-.03	23	42
23-36-0712	7414791	1347940	9-68	2	305	18,330	3.33	610	12	15,425	3.59	554	3-72		40	793	-.04	23	43
23-36-0719	6778441	1347940	1-67	3	305	18,273	3.52	644	7	14,166	3.66	519	7-71		42	941	-.02	31	54
23-36-0721	6493532	1282936	9-65	4	305	20,503	3.58	734	10	15,678	3.75	588	3-71		44	786	-.02	25	44
23-36-0721	6783734	1347940	1-67	2	305	19,360	3.50	677	11	14,875	3.83	570	10-70		40	947	-.03	29	52
23-36-0721	6981538	1347940	9-67	3	305	18,643	4.03	751	8	14,956	3.76	563	11-71		42	901	.04	39	59
23-36-0721	7421109	1347940	9-69	1	305	19,520	3.52	687	7	14,990	3.70	554	11-71		36	860	-.01	29	50
23-36-0726	6926705	1309574	9-67	3	296	17,033	4.21	717	11	14,950	3.64	544	8-71		42	456	.12	34	42
23-36-0728	6581376	1320310	6-66	4	299	17,473	3.69	645	14	15,023	3.78	568	11-71		44	837	-.04	24	45
23-36-0728	6622747	1320310	4-66	3	290	18,680	3.62	677	11	15,103	3.73	564	2-72		42	958	-.04	28	52
23-36-0728	6785745	1309574	11-66	3	271	17,813	4.33	771	13	14,787	3.69	545	1-71	8	42	562	.13	40	50
23-36-0728	7263002	1347940	1-69	1	305	18,320	4.13	756	13	13,570	3.67	498	7-71		36	866	.04	38	57
23-36-0732	6126540	1199324	6-64	5	305	20,068	3.63	728	10	14,694	3.77	554	1-71		44	1,127	-.02	37	64
23-36-0733	6638857	1222994	3-66	3	305	19,750	3.10	613	29	14,583	3.48	507	1-71		42	861	-.06	22	44
23-36-0733	6869757	1244845	10-66	3	305	19,593	3.93	770	21	15,197	3.36	511	4-71		42	718	.05	33	49
23-36-0733	6929066	1222994	3-67	3	305	19,833	3.19	633	28	14,177	3.48	493	12-71		42	912	-.05	26	49
23-36-0733	6929071	1261857	7-67	3	305	16,683	3.64	607	32	14,520	3.42	496	11-71		42	641	.08	35	48
23-36-0741	7078110	1399824	1-68	3	305	21,180	3.65	774	11	16,737	4.15	695	2-72		42	852	-.04	25	46
23-36-0742	6191973	1364126	2-63	5	305	18,846	3.79	714	16	14,064	3.71	522	7-71		36	790	.00	29	48
23-36-0742	6538860	1441440	11-65	4	305	18,897	3.76	711	20	15,520	3.65	567	11-71		44	780	.04	34	52
23-36-0742	6583996	1434767	3-66	4	303	18,570	3.74	694	26	15,093	3.63	548	6-71		35	671	.02	27	42
23-36-0744	5778942	1399824	12-62	6	305	19,382	3.81	739	12	15,388	3.59	553	3-72		44	830	.05	38	56
23-36-0744	6863609	1365341	8-67	3	300	23,270	3.20	745	15	16,226	3.49	567	11-71		42	1,313	-.07	37	70
23-36-0744	7170815	1347940	10-68	1	305	16,470	4.29	707	9	14,640	3.70	541	7-71		36	656	.05	31	45
23-36-0751	5797645	1189870	11-62	5	304	17,152	3.92	672	9	13,764	3.73	513	3-72		44	626	.04	29	43
23-36-0753	7268947	1309574	8-68	2	305	15,690	4.14	650	22	12,215	3.68	449	1-72		40	547	.10	34	44
23-36-0754	6399006	1244845	9-65	4	305	19,100	3.76	718	25	14,353	3.56	511	7-71		44	784	.00	29	48
23-36-0754	6650703	1399824	7-66	4	303	20,690	3.46	716	22	14,613	3.71	542	10-71		44	1,059	-.01	36	62
23-36-0754	6805583	1309574	5-67	3	305	18,133	4.72	855	17	15,850	3.66	580	4-72		42	489	.19	46	53
23-36-0754	7014515	1399824	11-67	3	291	19,320	3.51	679	13	15,687	3.76	590	12-71		42	746	-.01	25	43
23-36-0754	7364687	1320310	6-69	1	305	20,100	3.49	702	25	15,600	3.77	588	11-71		36	938	-.06	25	49
23-36-0759	6953675	1347940	5-67	3	305	20,906	3.45	722	12	15,743	3.65	574	10-71		42	1,080	-.03	34	61
23-36-0764	6586124	1347940	3-66	4	305	22,800	3.36	765	11	16,282	3.53	574	8-71		44	1,288	-.03	41	73
23-36-0764	6804645	1347940	12-66	2	305	19,735	3.96	781	12	16,595	3.49	579	4-71		40	828	.05	38	56
23-36-0764	6824560	1347940	2-67	3	299	22,606	3.04	688	13	16,586	3.53	585	8-71		42	1,188	-.09	29	60
23-36-0764	7516975	1441440	8-69	1	305	23,700	2.94	696	7	17,330	3.76	651	11-71		36	889	-.07	22	45
23-36-0766	6417102	1347940	10-65	3	305	20,590	3.64	750	7	15,620	3.51	549	3-71		42	1,056	.01	40	65
23-36-0766	6854365	1347940	7-67	2	305	19,335	3.65	705	6	15,845	3.55	562	4-71		40	856	.01	32	52
23-36-0766	6940950	1399824	8-67	3	305	17,767	4.06	722	11	15,667	3.70	579	2-72		42	570	.08	32	44
23-36-0766	7150282	1347940	6-68	2	291	17,255	4.58	790	9	14,855	3.59	534	1-72		40	736	.11	43	58
23-36-0766	7150283	1347940	9-68	2	305	18,905	3.59	678	10	14,725	3.59	528	10-71		40	915	.00	33	55
23-36-0768	7272402	1239242	10-68	2	305	22,505	3.29	741	15	16,490	3.52	581	11-71		40	792	-.04	22	42
23-36-0770	6777615	1320310	9-66	3	305	18,113	3.76	681	9	13,997	3.77	527	3-71		42	1,008	-.03	32	57
23-36-0770	7169330	1320310	10-68	2	296	18,185	3.29	598	9	14,980	3.70	555	12-71		40	889	-.08	20	43
23-36-0771	6583880	1347940	3-66	4	305	19,467	3.58	696	14	16,690	3.55	593	2-72		44	831	.00	30	50
23-36-0771	7224753	1427381	6-68	2	305	19,595	3.45	676	16	16,220	3.63	589	9-71		40	1,082	.01	41	66
23-36-0771	7403782	1458744	7-69	1	305	23,120	3.18	735	13	18,650	3.62	676	2-72		36	844	-.06	22	44
23-36-0771	7923447	1427381	11-69	1	305	21,530	3.67	791	15	17,760	3.58	636	12-71		36	1,073	.05	46	70
23-36-0775	6483981	1320310	6-65	5	305	19,088	3.23	616	11	15,852	3.58	567	12-71		44	956	-.09	21	46
23-36-0775	7442313	1320310	5-69	2	305	20,375	3.54	722	12	15,870	3.55	563	1-72		40	1,030	-.04	31	57
23-36-0778	6664761	1206797	9-66	4	305	18,023	3.53	637	23	13,815	3.56	492	1-72		43	718	-.01	25	42
23-36-0778	6721700	1393031	11-66	3	293	18,650	3.53	658	15	13,403	3.60	482	5-71		42	866	-.08	19	42
23-36-0778	6943319	1458744	1-68	2	305	17,960	3.26	586	11	13,455	3.63	489	5-71		40	897	-.05	25	48
23-36-0780	6388770	1441440	6-65	4	305	20,875	3.45	720	11	16,585	3.82	633	11-71		44	906	-.03	28	50
23-36-0780	6638011	1436081	6-66	3	305	21,933	4.27	936	12	16,800	3.93	660	6-71		42	589	.11	38	49
23-36-0780	6849090	1399824	7-67	2	305	20,985	4.00	840	16	16,960	3.83	650	3-71		40	759	.05	35	52
23-36-0780	7462184	1526128	9-69	1	305	21,040	3.37	708	11	16,980	3.63	617	11-71		31	932	-.10	18	43
23-36-0782	6669138	1309574	9-66	3	305	19,277	4.23	816	7	15,297	4.16	637	2-71		42	678	.08	36	50
23-36-0788	6459384	1320310	1-66	3	303	15,630	3.45	539	13	12,743	3.67	468	6-71		42	852	-.06	22	44
23-36-0788	6778381	1320310	8-66	4	302	18,365	3.06	562	26	13,298	3.71	493	2-72		44	1,139	-.12	22	53
23-36-0788	6778384	1320310	9-66	3	305	15,577	3.92	610	19	12,417	3.74	465	7-71		42	879	-.01	30	51
23-36-0788	6778385	1320310	11-66	3	302	18,497	3.33	616	23	13,240	3.63	481	1-71		42	1,130	-.08	29	58
23-36-0794	5669234	1189870	7-62	5	304	20,496	3.83	784	18	16,442	3.78	621	6-71		44	747	.03	31	48
23-36-0794	6167531	1237057	9-64	6	305	20,603	3.76	775	20	16,168	3.75	607	1-72		44	855	-.03	27	48
23-36-0794	6340160	1237057	3-65	5	305	24,924	3.49	871	22	16,384	3.80	622	2-72		44	1,387	-.08	38	73
23-36-0794	6677239	1300014	11-66	3	305	23,560	3.56	839	25	17,310	3.77	653	8-71		42	1,001	-.09	23	49
23-36-0794	7429705	1427381	11-69	1	305	21,420	3.87	830	14	17,120	3.99	683	3-72		36	1,108	.04	46	71
23-36-0796	6828336	1320310	5-67	2	305	18,070	3.42	618	9	13,810	3.80	525	1-71		40	984	-.07	24	49
23-36-0796	6927364	1320310	12-67	2	305	16,855	4.14	698	41	13,935	3.71	517	8-71		40	849	.02	33	53
23-36-0799	6617185	1458744	7-66	3	305	19,923	3.24	645	37	14,690	3.59	528	9-71		42	1,040	-.06	28	54

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C O	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
23-36-0799	6706983	1458744	7-66	3	305	22,046	3.67	809	36	14,680	3.62	531	10-71		42	1,285	.00	47	$ 77
23-36-0799	7141346	1347940	7-68	2	305	20,405	3.46	706	43	14,425	3.65	527	10-71		40	1,095	-.02	36	63
23-36-0799	7141350	1441440	9-68	2	305	19,195	3.81	731	36	14,555	3.70	539	2-72		40	842	.04	37	56
23-36-0799	7204645	1347940	9-68	1	305	23,560	3.66	863	46	14,670	3.72	546	11-71		36	1,183	.00	43	71
23-36-0799	7382070	1347940	7-69	1	305	16,720	3.63	607	42	13,790	3.60	497	8-71		36	732	.00	27	44
23-36-0799	7451428	1320310	10-69	1	305	17,980	3.45	620	39	14,600	3.77	551	2-72		36	847	-.06	21	43
23-36-0799	7501709	1347940	9-69	1	301	19,780	3.82	756	48	14,470	3.67	531	10-71		36	914	.02	36	57
23-36-0802	5494197	1377954	7-61	8	291	20,703	3.75	777	18	16,248	3.85	625	2-71		44	927	.01	35	57
23-36-0802	5605917	1189870	12-60	7	290	18,757	4.03	755	11	15,237	3.77	574	4-71		44	662	.05	32	46
23-36-0802	6358955	1347940	8-65	4	305	18,835	3.49	657	18	15,195	3.77	573	8-71		44	919	-.04	27	50
23-36-0809	7105834	1347940	4-68	2	305	16,265	4.59	746	28	14,380	3.79	545	9-71		40	678	.09	38	52
23-36-0809	7105835	1347940	5-68	2	305	18,400	3.49	642	26	14,520	3.79	551	10-71		40	882	-.03	27	49
23-36-0810	6948764	1347940	12-67	2	305	17,860	3.71	663	10	15,005	3.60	540	11-70		40	783	.01	30	48
23-36-0810	7246695	1347940	12-68	1	305	18,400	3.30	607	10	15,420	3.50	540	12-70		36	748	-.02	24	42
23-36-0811	7421773	1427615	4-69	1	305	20,200	3.64	736	10	14,130	3.67	519	11-71		36	939	-.09	20	45
23-36-0812	6973483	1309574	3-67	5	305	20,097	3.81	766	17	16,327	3.79	618	9-71		42	666	.05	32	46
23-36-0812	7010832	1309574	10-66	3	300	20,437	3.62	739	5	16,610	3.75	623	5-71		42	675	.02	28	43
23-36-0812	7195049	1447141	12-68	2	305	19,885	3.73	741	15	16,595	3.56	591	12-71		40	585	.07	32	44
23-36-0813	6859856	1347940	8-67	2	305	18,980	3.72	707	21	14,700	3.81	560	10-70		40	925	.00	33	55
23-36-0814	6867480	1347940	9-67	3	303	16,093	3.98	640	24	12,826	3.80	488	10-71		42	829	.03	34	53
23-36-0814	7147676	1337741	9-68	2	305	19,550	3.62	708	14	13,665	3.71	507	3-72		40	861	.00	31	52
23-36-0816	6868091	1399824	8-67	3	305	16,583	3.91	648	6	14,467	3.50	507	11-71		42	558	.07	30	42
23-36-0817	6701307	1458744	11-66	2	305	19,395	3.84	744	13	14,990	3.67	550	11-71		40	903	.02	35	56
23-36-0818	6356723	1347940	8-65	3	298	19,893	3.61	719	5	16,623	3.74	621	5-71		42	872	-.02	29	50
23-36-0818	7041699	010275932	3-66	4	303	18,960	4.21	799	11	16,148	3.66	591	9-71		44	485	.11	34	43
23-36-0819	6770070	1361933	12-66	3	305	23,267	3.65	850	15	15,407	3.64	561	11-71		42	1,144	-.02	38	66
23-36-0819	7485033	1320310	6-69	1	305	22,280	3.43	764	7	15,730	3.63	571	2-72		36	1,091	-.05	31	58
23-36-0824	7224820	1347940	8-68	1	305	21,980	3.40	747	8	15,250	3.52	537	3-71		36	1,026	-.01	35	60
23-36-0824	7259666	1309574	9-68	2	305	18,970	3.76	713	12	14,945	3.65	545	2-72		40	631	.06	32	45
23-36-0824	7259667	1309574	10-68	2	305	18,265	3.94	719	16	15,250	3.69	563	1-72		40	532	.08	31	42
23-36-0825	6799416	1347940	3-67	1	286	15,700	4.04	635	22	12,880	3.70	477	10-71		36	717	.03	30	46
23-36-0825	7259590	1427615	12-68	1	305	21,280	3.19	679	22	12,860	3.75	482	11-71	H	36	1,105	-.14	18	48
23-36-0828	7525219	1399824	3-69	1	305	19,770	3.77	746	8	15,190	3.79	575	5-71		36	692	.03	29	45
23-36-0829	6077206	1189870	1-64	4	303	22,003	3.45	759	23	15,808	3.59	568	12-71		44	982	-.02	33	57
23-36-0829	6864891	1399824	8-67	3	301	21,540	3.30	711	26	15,103	3.47	524	8-71		42	1,062	-.01	36	62
23-36-0829	7097977	1399824	11-67	2	305	22,035	3.11	686	21	15,465	3.41	527	11-71		40	1,002	-.03	31	56
23-36-0829	7097980	1309574	2-68	2	305	21,250	3.28	696	26	15,485	3.38	523	10-71		40	813	.02	32	51
23-36-0829	7097981	1309574	2-68	2	305	19,075	3.52	672	27	14,765	3.39	501	8-71		40	658	.05	32	46
23-36-0831	7280085	1399824	4-67	3	288	19,547	4.02	786	7	14,473	3.94	570	2-72		42	898	.05	40	60
23-36-0839	7373461	1320310	1-69	1	305	18,190	3.57	650	12	15,160	3.63	550	10-71		36	825	-.04	23	44
23-36-0840	6258721	1447852	11-64	4	305	18,720	3.71	694	20	15,278	3.59	549	11-71		35	630	.05	30	44
23-36-0840	6796292	1261857	4-66	3	303	21,707	3.47	754	31	15,917	3.61	575	4-71		42	1,075	.03	44	69
23-36-0840	7176424	1347940	5-68	1	305	18,110	3.50	633	42	14,750	3.61	532	9-70		36	771	-.01	26	45
23-36-0840	7237147	1427381	1-69	1	305	18,080	3.41	616	36	14,430	3.57	515	7-71		36	1,039	.02	41	65
23-36-0840	7288144	1427381	1-69	1	305	16,730	3.29	551	43	14,670	3.60	528	9-71		36	923	.02	36	57
23-36-0842	6763889	1347940	2-67	3	302	18,066	3.81	688	12	14,133	3.79	536	3-72		42	920	.01	35	57
23-36-0842	6843535	1399824	4-67	3	305	17,277	3.68	635	17	13,420	3.88	521	8-71		42	746	.00	27	45
23-36-0842	7604372	1347940	12-69	1	305	18,260	3.13	571	7	13,900	3.68	511	2-72		36	839	-.05	23	44
23-36-0843	6931368	1309574	4-67	3	305	18,673	3.41	636	31	14,813	3.50	518	12-71		42	658	.02	27	42
23-36-0843	7661298	1438535	7-69	1	305	19,980	3.81	762	29	14,140	3.44	487	8-71		34	792	.06	38	55
23-36-0844	6685966	1347940	11-66	3	305	22,866	3.45	788	26	16,546	3.74	619	12-71		42	1,222	-.05	37	67
23-36-0850	6563500	1320310	4-66	3	302	19,547	3.78	739	9	16,037	3.75	602	9-71		42	961	-.02	31	55
23-36-0850	7105259	1347940	7-68	1	305	23,480	3.45	809	6	15,660	3.58	560	12-71		36	1,110	-.01	38	65
23-36-0850	7195999	1347940	12-68	1	305	16,640	3.82	635	6	14,620	3.69	540	1-72		36	670	.01	26	42
23-36-0852	7218320	1347940	11-68	1	305	20,600	3.63	748	18	18,200	3.77	687	11-70		36	725	-.01	25	42
23-36-0852	7673257	1458744	1-70	1	305	20,760	3.85	799	8	16,730	3.47	581	2-72		36	796	.03	33	51
23-36-0881	4967460	1292763	10-59	7	291	19,960	3.79	757	14	15,880	3.71	589	2-71		32	671	.03	28	43
23-36-0881	7123265	1347940	6-68	1	305	22,580	3.90	881	9	17,670	3.68	650	4-71		36	908	.03	37	58
23-36-0886	6961089	1347940	8-67	3	289	18,540	3.55	658	14	14,006	3.86	540	11-71		42	988	-.03	31	55
23-36-0887	6716686	1399824	6-66	3	305	20,903	3.50	732	9	15,370	3.74	575	2-72		42	961	-.01	33	56
23-36-0901	6938233	1320310	10-67	2	299	18,640	3.47	647	9	16,225	3.64	590	6-71		40	821	-.06	21	42
23-36-0901	7283329	1309574	10-67	3	305	22,490	3.59	808	10	16,107	3.55	572	12-71		42	964	.05	42	64
23-36-0908	6155991	1320310	11-64	4	305	17,778	3.78	672	9	14,510	3.81	553	6-71		44	931	-.03	29	52
23-36-0908	6654650	1399824	9-66	4	299	18,768	3.75	703	20	15,275	3.79	579	11-71		44	749	.02	30	47
23-36-0909	6515417	1441440	2-66	2	305	17,735	3.46	614	16	12,905	3.69	476	7-71		40	844	.00	30	50
23-36-0930	6428325	1399824	1-65	1	305	17,080	4.52	772	10	13,610	3.84	523	4-71		36	598	.08	34	46
23-36-0957	6961937	1320310	8-67	1	305	17,350	3.54	615	5	14,710	3.53	519	1-71		36	792	-.04	23	43
23-36-0961	5494217	1189870	1-62	7	297	17,160	3.54	607	6	12,854	3.69	474	6-71		44	733	-.01	25	43
23-36-0971	7047470	1399824	11-66	4	297	18,735	3.69	692	12	15,925	3.77	600	1-72		44	672	.01	26	42
23-36-0998	6881324	1347940	10-67	2	305	17,270	3.61	624	8	15,010	3.70	555	4-72		40	723	-.01	25	42
23-36-1000	6946236	1347940	8-67	1	305	19,290	3.32	640	16	14,480	3.73	540	7-71		36	877	-.04	26	48
23-36-1000	7272469	1320310	2-69	1	305	17,650	3.46	611	17	14,500	3.64	528	11-71		36	829	-.05	22	43
23-36-1006	7044458	1320310	4-68	1	302	18,100	4.01	725	18	14,650	3.69	540	7-71		36	852	.00	30	50
23-36-1039	5895587	1347940	7-63	4	299	15,990	3.67	587	24	14,282	3.56	508	10-71		44	669	.01	26	42
23-36-1039	7111333	1347940	8-68	1	271	16,360	3.23	529	14	12,430	3.61	449	12-71		36	796	-.03	24	44
23-36-1065	6928340	1473442	10-67	3	305	19,926	3.65	728	18	14,946	3.69	552	2-72		41	950	-.04	28	52
23-36-7098	7193533	1320310	7-68	1	305	18,440	3.18	586	10	13,670	3.58	490	10-71		36	943	-.07	23	47
23-36-7188	6829577	1320310	6-67	1	305	18,050	3.97	716	15	16,020	3.76	602	8-71		36	757	-.02	25	43
23-36-7188	6900789	1399824	8-67	1	305	21,530	3.48	749	15	16,180	3.84	622	2-71		36	757	-.01	26	44
23-36-7188	7213215	1320310	1-69	1	305	21,280	3.73	793	17	15,620	3.89	608	1-71		36	1,024	-.04	30	56
23-36-7344	6964225	1458744	11-67	2	250	19,630	3.45	678	19	13,915	3.67	510	10-71		40	1,025	-.03	32	57
23-36-7401	6719091	1347940	4-66	1	305	17,620	3.83	675	8	13,640	3.67	500	9-71		36	809	.02	32	51
23-36-7426	7500188	1441440	9-69	1	305	19,540	3.92	765	11	16,770	3.80	637	2-72		36	617	.04	28	42
23-36-7426	7731653	1427381	10-69	1	305	22,740	3.64	828	9	16,750	3.76	629	1-72		36	1,231	.03	49	77
23-36-7426	7731655	1441440	12-69	1	297	19,330	3.90	753	5	16,140	3.85	621	4-72		36	643	.03	28	42

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C D	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOL- LARS
23-37-0012	7004726	1458744	11-67	3	305	17,016	3.82	650	6	14,653	3.57	523	4-72		42	709	.02	29	$ 45
23-37-0012	7304507	1330987	5-69	1	305	17,980	3.92	704	8	14,150	3.75	531	6-71		36	601	.06	30	43
23-37-0064	6581881	1441440	3-66	4	305	16,250	4.14	672	8	14,390	3.90	561	7-71		44	578	.06	30	42
23-37-0064	7228781	1399824	11-68	1	305	18,060	4.11	742	8	13,660	3.88	530	7-71		36	668	.05	32	46
23-37-0074	6699516	1396768	12-66	3	305	21,577	3.86	832	13	14,993	3.53	530	3-71		42	926	.04	39	6[illegible]
23-37-0074	7232725	1427615	12-68	2	305	19,555	3.71	726	15	15,405	3.62	557	1-72		40	891	-.07	21	44
23-37-0094	6745660	1119686	8-66	4	305	18,580	3.97	737	15	13,988	3.73	522	4-72		44	538	.08	32	43
23-37-0094	7104805	1441440	3-68	2	305	18,080	3.76	680	20	15,025	3.71	558	3-71		40	686	.03	30	45
23-37-0095	7027396	1441440	3-68	1	305	20,890	3.63	758	5	14,500	3.68	534	1-71		36	870	.02	35	55
23-37-0095	7238108	1441440	5-68	1	305	19,940	3.30	658	5	15,140	3.63	549	8-71		36	756	-.01	26	44
23-37-0095	7238109	1441440	5-68	1	305	19,610	3.82	749	12	13,600	3.60	489	4-71		36	835	.05	37	56
23-37-0096	7325575	1399824	1-69	1	305	21,600	3.63	785	15	14,490	3.63	526	9-71		36	876	.02	35	55
23-38-0017	5099280	1189870	7-59	6	305	21,335	3.65	779	20	14,162	3.90	552	9-71		44	1,120	-.02	38	65
23-38-0017	5815443	1378123	8-62	7	305	18,230	4.54	827	17	14,560	4.01	584	1-72		36	559	.11	37	47
23-38-0017	7065171	1489981	12-67	2	305	17,845	4.05	722	21	14,690	3.91	574	8-71		39	499	.11	34	43
23-38-0017	7176465	1427615	11-68	2	305	22,785	3.62	825	20	14,985	4.16	623	2-72		40	1,257	-.13	25	59
23-38-0030	5985802	1316590	7-63	6	274	20,692	3.47	719	17	14,903	3.77	562	5-71		44	748	-.03	23	42
23-38-0030	6929554	1320310	2-67	4	298	18,170	3.53	642	22	16,005	3.67	587	2-72		44	814	-.05	22	43
23-38-0030	7082784	1320310	3-67	3	302	18,650	3.60	671	19	15,767	3.85	607	8-71		42	886	-.06	23	46
23-38-0030	7082795	1393031	4-68	2	305	23,170	3.15	731	25	15,870	3.67	582	2-72		40	1,040	-.15	15	44
23-38-0039	6834124	1459457	6-67	3	305	23,080	3.14	724	16	16,943	3.54	600	4-72		34	994	-.10	20	47
23-38-0039	7056130	1320310	11-67	2	305	19,750	3.47	686	35	16,410	3.50	575	8-71		40	917	-.04	27	50
23-38-0039	7056132	1459457	12-67	2	305	21,230	3.51	746	19	15,945	3.60	574	10-71		32	791	-.04	23	43
23-38-0039	7319357	1320310	12-68	2	305	20,100	3.14	631	29	17,265	3.44	594	3-72		40	875	-.08	19	42
23-38-0045	6738002	1303198	2-66	2	305	19,300	4.43	855	12	15,045	3.67	552	2-72		40	600	.11	38	49
23-38-0045	7220949	1320310	11-68	1	305	20,590	3.76	774	15	15,520	3.72	577	12-71		36	979	-.03	31	55
23-38-0053	6613893	1449153	6-66	3	305	20,170	3.77	760	35	15,540	3.71	576	5-71		29	676	.02	27	43
23-38-0053	6675322	1441440	12-66	4	305	21,355	3.39	725	30	16,160	3.66	592	2-72		44	1,012	-.02	33	58
23-38-0111	6583410	1441440	8-65	4	305	17,857	4.13	737	20	13,367	3.79	507	6-71		44	891	.08	44	63
23-38-0117	6549455	1347940	4-66	3	305	16,036	3.95	633	35	13,296	3.60	479	9-71		42	773	.04	34	51
23-38-0117	6881375	1497666	8-67	2	300	19,305	3.50	675	38	13,125	3.57	468	8-71		25	766	-.01	26	45
23-38-0117	6995226	1347940	12-67	2	305	21,225	3.47	736	28	13,470	3.59	484	12-71		40	1,265	-.02	43	74
23-38-0123	6455932	1441440	8-65	5	305	15,858	3.95	627	29	13,912	3.67	511	10-71		44	589	.06	30	42
23-38-0126	7039692	1261857	9-67	2	305	19,495	3.92	765	19	15,870	3.77	599	11-71		40	788	.08	41	57
23-38-0126	7209794	1337741	1-69	1	305	22,040	3.47	764	18	15,630	3.46	541	7-71		35	780	.03	28	47
23-38-0127	7279215	1458744	2-68	2	305	17,515	3.83	671	20	14,695	3.83	563	10-71		40	739	.00	27	45
23-38-0132	7021574	1348259	4-66	1	305	22,620	3.60	814	10	16,360	3.56	583	10-71		36	764	.01	29	47
23-38-0141	6566357	1347940	4-66	3	305	18,616	3.65	679	25	15,136	3.77	571	2-71		42	880	-.01	30	51
23-38-0141	7074382	1347940	1-68	2	295	18,925	3.71	703	21	14,620	3.61	528	5-71		40	927	.01	35	57
23-38-0141	7074383	1347940	1-68	2	291	17,755	3.69	655	25	14,340	3.64	522	6-71		40	833	.01	31	51
23-38-0141	7084753	1410984	7-67	3	305	24,133	3.53	851	30	15,046	3.67	552	10-71		42	921	.01	35	57
23-38-0141	7098702	1320310	2-68	2	305	18,495	3.40	629	28	15,950	3.60	574	11-71		40	832	-.06	21	42
23-38-0141	7387939	1320310	2-69	1	305	19,700	2.82	556	27	15,010	3.58	537	7-71		36	947	-.11	17	43
23-38-0157	6527061	1347940	1-66	3	305	19,253	3.43	660	22	14,883	3.84	572	8-70		42	979	-.05	28	53
23-38-0157	6630228	1347940	9-66	3	305	23,260	3.36	781	22	14,626	3.90	571	11-70		42	1,466	-.07	42	79
23-38-0157	7128809	1347940	12-67	2	305	20,640	3.81	786	21	15,715	3.76	591	12-71		40	1,001	.01	38	61
23-38-0157	7128810	1347940	8-68	2	284	18,080	3.43	621	23	14,570	3.89	567	8-71		40	845	-.05	23	44
23-38-0157	7128811	1347940	8-68	2	292	18,145	3.73	676	27	15,435	3.83	591	10-71		40	773	-.01	27	46
23-38-0161	6503657	1441440	2-66	4	302	20,157	3.47	699	20	15,485	3.78	585	1-72		44	939	-.02	31	54
23-38-0161	7036471	1261857	11-67	2	305	18,050	4.52	816	21	16,315	3.76	613	1-72		40	600	.15	44	54
23-38-0161	7432306	1441440	8-69	1	305	19,190	3.65	701	14	15,210	3.77	573	11-71		36	695	.02	28	44
23-38-0165	5763794	1189870	3-63	4	299	18,855	3.90	736	8	14,993	3.64	546	4-71		44	684	.05	32	47
23-38-0165	7983454	1427381	3-70	1	305	18,870	3.50	660	12	13,910	3.56	495	3-72		36	1,133	.03	46	72
23-38-0166	7110364	1320310	11-66	1	305	23,160	3.20	742	10	15,530	3.41	529	3-72		36	1,170	-.07	32	62
23-38-0173	6825610	1458744	1-67	3	305	20,113	3.36	676	27	15,080	3.56	537	5-71		42	1,021	-.04	31	56
23-38-0173	7015428	1458744	1-68	2	305	16,865	3.68	621	29	14,120	3.70	523	10-71		40	726	-.01	25	42
23-38-0173	7360829	1427381	3-69	1	305	23,970	3.15	754	29	15,950	3.59	572	6-71		36	1,376	-.01	48	81
23-38-0196	6842150	1399824	10-66	3	305	18,753	3.54	663	19	14,320	3.49	500	4-71		42	823	.02	33	52
23-38-0196	6842151	1309574	1-67	3	304	19,900	2.84	566	28	14,203	3.48	494	7-71		42	863	-.06	22	44
23-38-0196	6842152	1309574	4-67	3	305	16,323	4.29	701	45	13,640	3.59	490	10-71		42	510	.13	38	47
23-38-0197	6258264	1283917	3-65	4	305	20,465	3.54	725	7	13,225	3.66	484	12-71		44	1,083	-.07	28	56
23-38-0198	7196804	1320310	10-68	1	305	16,270	4.06	660	12	13,240	3.90	516	7-71		36	810	-.01	27	47
23-38-0201	7329388	1427615	1-69	2	305	19,980	3.29	658	9	14,500	3.66	530	4-72		40	1,017	-.13	16	44
23-38-0208	6752578	1347940	3-67	3	305	23,070	3.13	721	18	15,786	3.60	569	12-71		42	1,325	-.08	35	69
23-38-0208	7099177	1347940	10-67	2	305	23,220	3.30	766	17	16,420	3.53	580	5-71		40	1,198	-.04	37	67
23-38-0214	7192143	1347940	10-68	2	304	16,960	3.86	654	8	13,885	3.59	498	2-72		40	794	.03	33	51
23-38-0217	6658623	1309574	8-66	4	303	17,508	4.07	713	23	13,965	3.84	536	11-71		44	637	.08	35	48
23-38-0217	7001159	1309574	7-67	3	303	18,357	3.89	715	14	14,810	3.79	562	3-72		42	622	.06	32	45
23-38-0218	4985448	1350474	12-59	6	303	21,342	3.56	759	29	16,265	3.65	594	10-71		39	896	-.02	29	51
23-38-0218	7055371	1347940	3-68	2	305	18,925	4.31	816	33	16,790	3.73	627	10-71		40	728	.08	38	53
23-38-0224	6567594	1357743	7-65	5	303	21,260	3.36	715	25	15,602	3.63	566	12-71		44	846	-.07	20	42
23-38-0224	6684988	1330987	7-66	4	304	19,655	3.75	738	34	15,698	3.65	573	9-71		44	787	.05	36	53
23-38-0229	6579049	1347940	4-66	4	305	19,902	3.35	667	9	14,967	3.89	582	11-71		44	1,076	-.07	28	56
23-38-0241	5722853	1181029	2-62	8	278	20,175	3.76	758	7	15,150	3.75	568	4-72		44	678	.03	29	44
23-38-0247	7094975	1309574	7-68	2	305	19,460	3.66	713	17	14,555	3.63	529	11-71		40	716	.05	33	49
23-38-0249	6399249	1427576	7-65	4	304	21,260	3.58	761	13	16,630	3.71	617	1-72		30	738	-.02	24	42
23-38-0250	7042394	1458744	12-67	3	305	21,303	3.74	797	5	17,446	3.88	677	2-72		42	913	-.01	31	53
23-38-0250	7449819	1427381	9-69	1	305	20,650	3.57	737	6	17,080	3.87	661	10-71		36	1,053	.02	41	66
23-38-0252	6589290	1453923	3-66	3	305	21,250	3.35	711	12	14,063	3.82	537	11-71		29	1,020	-.08	25	51
23-38-0254	6773699	1458744	1-67	2	305	16,510	3.74	618	59	13,510	3.77	509	8-70		40	745	-.01	26	44
23-38-0262	6528406	1441440	8-65	2	305	19,125	3.79	725	5	14,805	3.76	556	1-72		40	812	.03	34	52
23-38-0262	7350673	1347940	4-69	1	305	16,040	3.81	611	10	14,220	3.42	486	9-71		36	653	.03	28	43
23-38-0280	7432280	1544841	7-69	1	305	21,570	4.20	905	20	15,920	3.61	575	3-72		19	552	.08	32	43
23-38-0280	7434122	1544841	7-69	1	305	21,990	4.00	880	20	15,920	3.61	575	3-72		19	591	.06	30	43
23-38-7046	6644821	1458744	10-66	1	280	18,060	3.51	634	12	14,790	3.55	525	10-71		36	725	-.01	24	42

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C O	REPT (%)	.......C O W MILK (LB)	I N D E X....... FAT (%)	FAT (LB)	DOL-LARS
23-39-0015	7301843	1512026	2-69	1	305	19,560	3.93	769	43	15,810	3.67	581	4-71		33	712	.00	26	$ 43
23-39-0029	6930567	1347940	3-67	3	305	19,430	3.36	653	6	12,983	3.67	476	12-71		42	1,196	-.04	37	67
23-39-0029	7215113	1347940	9-68	2	293	16,125	3.54	571	9	12,730	3.69	470	1-72		40	815	-.02	27	47
23-39-0029	7215116	1347940	1-69	2	305	16,420	3.28	538	6	13,445	3.64	489	4-72		40	780	-.04	22	42
23-39-0029	7291677	1347940	9-68	2	285	16,295	3.59	585	16	11,915	3.64	434	10-71		40	907	.00	32	54
23-39-0032	7720263	1417208	6-69	1	305	20,280	3.48	706	17	15,320	3.76	576	9-71		36	787	-.02	26	45
23-39-0032	7720264	1427381	9-69	1	305	18,260	3.84	701	10	16,280	3.73	607	11-71		36	929	.05	41	62
23-39-0036	7135719	1347940	1-68	2	305	17,190	3.55	610	13	14,545	3.74	544	5-71		40	757	-.02	24	43
23-39-0036	7136721	1347940	5-68	2	305	17,015	3.74	637	13	13,525	3.84	520	8-71		40	833	-.01	29	49
23-39-0042	7612668	1320310	7-68	2	305	15,130	3.62	547	26	12,720	3.70	471	8-71		40	785	-.04	22	42
23-39-0065	6491882	1347940	2-66	3	303	21,363	3.57	762	14	16,220	3.61	586	9-71		42	1,083	-.01	38	64
23-39-C105	6448327	1347940	8-65	4	305	16,070	4.03	648	9	14,100	3.67	518	5-71		44	699	.05	32	47
23-39-C105	6509068	1347940	4-66	4	297	19,285	3.26	628	10	14,175	3.60	510	7-71		44	1,088	-.05	31	58
23-39-C105	6580666	1347940	2-66	2	305	17,815	3.19	568	13	14,240	3.51	500	3-71		40	849	-.04	24	45
23-39-0105	6685482	1347940	11-66	4	297	17,335	3.48	604	12	14,850	3.60	535	1-72		44	772	-.02	25	44
23-39-C105	6982546	1347940	12-67	2	305	16,755	3.42	573	9	14,370	3.54	509	7-71		40	729	-.02	24	42
23-39-0105	7282767	1347940	2-69	1	305	19,370	3.31	642	16	14,230	3.58	510	8-71		36	900	-.02	29	51
23-39-0105	7501520	1347940	8-69	1	305	18,050	3.24	585	16	14,230	3.58	510	8-71		36	8C2	-.03	24	44
23-39-0105	7501522	1347940	11-69	1	305	18,180	3.72	677	15	15,740	3.56	561	12-71		36	710	.02	28	44
23-39-0106	6655242	1347940	6-66	4	299	17,552	4.12	723	7	14,512	3.98	577	11-71		44	837	.03	35	54
23-39-C106	6859041	1347940	2-67	3	305	18,263	3.89	711	7	15,100	3.94	595	3-72		42	843	.00	31	51
23-39-C106	7020214	1347940	10-67	3	295	19,416	3.64	706	9	15,240	3.91	596	10-71		42	961	-.03	30	54
23-39-0106	7176071	1347940	5-68	2	305	16,855	3.79	638	9	14,520	3.62	525	9-71		40	726	.02	29	46
23-39-0106	7348010	1347940	12-68	2	299	17,780	3.96	704	9	15,505	3.95	613	10-71		40	729	.01	28	45
23-39-0106	7419732	1347940	4-69	1	302	20,220	3.51	709	7	15,530	3.62	562	6-71		36	876	-.01	30	51
23-39-C106	7560862	1347940	12-69	1	305	18,570	3.67	682	7	15,150	3.95	599	2-72		36	779	-.01	26	45
23-39-0107	6304145	1268294	12-64	5	305	21,150	3.37	713	50	14,488	3.78	547	9-71		44	1,081	-.08	26	54
23-39-0107	6655763	1436081	11-66	3	305	20,726	3.89	807	58	15,273	3.70	565	3-71		42	6C8	.07	33	45
23-39-0107	6901820	1347940	7-67	2	305	19,005	3.45	655	69	15,475	3.67	568	1-71		40	857	-.03	27	48
23-39-C113	7208108	1347940	7-67	3	305	19,803	3.31	655	6	13,523	3.74	506	11-71		42	1,183	-.06	34	64
23-39-C120	7189038	1320310	7-68	1	305	20,650	3.33	687	9	16,660	3.74	623	2-71		36	9C7	-.08	21	45
23-39-0120	7189040	1320310	8-68	1	305	17,970	3.48	625	13	14,510	3.69	536	9-71		36	852	-.05	23	45
23-39-0124	6715004	1434767	11-66	3	305	23,083	3.60	831	21	16,533	3.67	607	1-72		33	1,071	-.01	37	63
23-40-0054	7070012	1347940	8-66	3	301	17,653	3.95	698	22	14,550	3.96	576	4-71		42	829	.01	32	51
23-40-0054	7070014	1347940	10-66	3	305	17,416	3.69	642	22	14,496	3.96	574	5-71		42	8C8	-.03	25	45
23-40-0054	7070016	1347940	12-66	3	296	16,610	3.80	631	22	14,170	3.97	563	6-71		42	749	-.01	25	43
23-40-C126	7533855	1399824	12-68	2	305	24,030	3.25	780	18	18,915	3.88	734	1-72		40	890	-.07	22	45
23-40-0135	6925601	1347940	5-67	3	304	17,826	3.91	697	13	14,863	3.99	593	6-71		42	817	.00	30	49
23-40-C138	6598084	1347940	7-66	2	305	19,560	3.76	736	7	16,755	3.68	617	8-70		40	796	.01	30	49
23-40-C142	5580513	1306477	1-62	3	236	24,560	3.51	863	26	17,407	3.73	649	12-71	8	42	919	-.07	23	47
23-40-C142	6883097	1347940	7-67	2	199	19,865	3.78	750	24	17,155	3.74	642	2-72	8	40	790	.01	30	49
23-40-0142	7148960	1427381	9-68	1	167	22,980	3.62	833	34	17,860	3.71	662	11-71	8	36	1,175	.04	48	75
23-40-C144	7668387	1449955	11-68	1	286	22,790	4.59	1047	14	12,310	3.74	461	10-70		28	699	.12	44	57
23-41-0012	6980996	1377954	9-67	2	305	18,140	3.49	633	11	14,375	3.62	520	9-71		40	735	.00	26	44
23-41-0021	5770029	1347940	8-62	7	305	19,365	3.54	685	19	16,102	3.56	574	3-72		44	896	-.01	31	53
23-41-0021	6361665	1347940	9-63	3	305	19,523	3.30	645	19	16,276	3.61	587	9-70		42	866	-.05	24	46
23-41-C021	6426703	1347940	4-64	5	305	18,926	3.76	711	22	15,990	3.56	569	8-71		44	853	.03	35	55
23-41-0021	6603451	1347940	9-65	3	305	19,326	3.50	677	18	15,456	3.63	561	5-71		42	928	-.02	31	54
23-41-0021	6622370	1347940	4-66	2	305	21,220	3.44	731	20	17,865	3.54	632	4-71		40	863	-.01	29	5C
23-41-0021	6840319	1347940	9-65	5	305	22,032	3.46	763	17	16,306	3.57	582	3-72		44	1,217	-.02	41	70
23-41-0021	7031652	1347940	5-66	3	305	18,550	3.70	686	17	16,760	3.57	599	3-71		42	704	.02	28	44
23-41-0021	7099311	1347940	8-67	3	305	20,090	3.39	682	20	16,896	3.50	592	2-72		42	867	-.02	28	49
23-41-0021	7108529	1347940	9-66	3	294	18,986	3.68	699	23	17,270	3.49	602	10-71		42	701	.02	29	45
23-41-0021	7154285	1347940	10-67	2	305	18,900	3.37	636	21	16,330	3.59	586	7-71		40	768	-.03	23	42
23-41-0021	7154288	1347940	4-68	2	305	19,620	3.39	665	22	17,355	3.46	601	10-71		40	747	-.01	25	43
23-41-0021	7384928	1347940	7-68	1	305	21,840	3.33	728	15	18,120	3.56	645	4-71		36	823	-.02	26	46
23-41-0021	7384931	1347940	1-69	1	305	20,740	3.22	668	21	16,290	3.60	586	6-71		36	864	-.04	25	47
23-41-0021	7384932	1347940	3-69	1	305	20,380	3.10	631	27	16,460	3.43	564	8-71		36	826	-.04	24	45
23-41-0021	7384934	1347940	5-69	1	305	22,130	3.07	680	20	16,030	3.56	571	7-71		36	985	-.06	27	52
23-41-0046	6242194	1347940	2-65	3	305	18,703	3.85	720	14	15,220	3.70	563	1-71		42	881	.02	35	55
23-41-0046	6807806	1347940	1-67	2	305	20,040	3.65	731	13	15,950	3.74	597	1-71		40	918	-.01	32	54
23-41-0046	6807807	1347940	3-67	2	305	18,780	3.51	659	9	15,395	3.66	564	5-71		40	841	-.02	27	48
23-41-0046	7042683	1347940	4-68	2	305	18,655	3.56	664	12	15,295	3.85	589	3-72		40	837	-.03	26	47
23-41-0050	6611074	1347940	4-66	4	293	17,807	3.92	698	11	15,050	3.94	593	3-72		44	808	.01	30	49
23-41-0050	7044377	1347940	1-68	2	305	17,305	3.89	673	7	15,035	3.96	595	4-71		40	724	.0C	26	43
23-41-C065	6898028	1377954	8-67	3	302	15,487	3.55	550	55	11,730	3.64	427	9-71		42	743	.00	27	45
23-41-0070	7129691	1471956	6-68	2	305	20,095	4.00	803	14	16,935	3.78	640	12-71		39	749	.03	31	48
23-41-0072	6526107	1347940	5-65	5	294	21,242	3.95	838	15	16,212	3.66	594	12-71		44	1,126	.05	49	74
23-41-0072	6997659	1347940	11-67	2	304	22,685	4.06	920	10	15,915	3.79	603	10-71		40	1,190	.05	50	77
23-41-C072	6997660	1347940	11-67	2	305	18,725	3.80	711	11	15,640	3.75	586	4-71		40	813	.01	31	50
23-41-C072	7481176	1347940	7-69	1	305	19,010	3.18	605	17	15,760	3.53	557	5-71		36	771	-.03	23	42
23-41-0073	7080968	1330987	12-67	1	305	22,060	3.34	737	27	15,880	3.46	550	12-71		36	789	.02	31	49
23-41-0074	6438258	1347940	1-66	4	305	18,787	4.02	755	8	15,117	3.84	581	10-71		44	922	.04	39	60
23-41-0074	7441075	1347940	4-69	1	305	17,360	3.63	631	7	14,450	3.96	572	7-71		36	735	-.02	24	42
23-41-0095	6922154	1347940	8-67	3	303	15,746	3.74	589	34	13,726	3.58	492	10-71		42	695	.02	28	44
23-41-0095	7306689	1347940	9-68	1	305	16,660	3.43	571	38	13,590	3.50	475	8-70		36	741	.00	26	44
23-41-C120	6825727	1480928	10-66	3	305	18,793	4.03	757	15	14,336	3.79	544	8-71		32	642	.05	30	44
23-41-0136	6531976	1347940	4-66	1	305	17,630	3.86	680	13	13,490	3.97	536	11-71		36	820	.00	30	49
23-41-C154	7884591	1427381	8-69	1	305	17,590	3.88	682	10	15,620	3.87	605	12-71		36	923	.04	40	61
23-41-C178	7350415	1458744	8-68	2	305	19,885	3.41	678	18	16,545	3.80	628	1-72		40	811	-.05	22	43
23-41-0182	7113523	1347940	9-66	3	305	18,146	3.97	720	11	14,393	3.97	571	8-71		42	902	.02	35	56
23-41-0193	6934377	1347940	1-67	3	303	17,726	4.14	733	30	14,820	3.79	562	2-72		42	810	.05	37	55
23-41-0193	7185032	1347940	4-68	2	305	18,675	3.80	710	32	15,010	3.84	577	4-71		40	866	.0C	31	52
23-41-0199	6645865	1347940	6-66	3	303	18,126	3.86	699	15	13,893	3.80	528	6-71		42	952	.02	37	59
23-41-C199	6725722	1347940	12-66	3	3C5	21,216	3.14	666	14	15,146	3.75	568	11-71		42	1,178	-.09	29	59

TABLE 3. HOLSTEIN USDA-OHIO HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C O	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
23-41-0199	6864662	1481228	3-67	2	305	20,980	3.37	707	15	14,135	3.68	520	1-71		25	863	-.05	24	$ 46
23-41-C199	6984961	1347940	12-67	2	305	18,480	3.74	691	21	14,315	3.74	536	6-71		40	909	.00	33	55
23-42-0010	6583527	1347940	8-64	4	305	16,417	4.04	664	11	12,287	3.73	458	2-72		44	944	.05	41	62
23-42-0010	6583528	1347940	11-64	5	305	15,072	3.99	601	10	12,870	3.77	485	3-72		44	718	.03	31	47
23-42-0010	7527070	1347940	9-68	2	305	15,955	3.51	560	9	13,305	3.65	485	3-72		40	745	-.01	25	43
23-42-0014	6801014	1347940	10-65	2	305	17,170	3.75	644	22	14,265	3.91	558	1-72		40	781	-.01	26	45
23-42-0014	6801015	1347940	10-65	2	305	20,125	3.86	777	11	15,035	3.74	562	5-71		40	1,010	.02	40	63
23-42-C014	7073984	1347940	8-66	2	305	18,460	3.63	670	19	15,100	3.83	579	4-71		40	835	-.02	27	47
23-42-0014	7136423	1347940	9-67	2	280	16,645	3.59	598	20	13,375	3.92	524	7-71		40	809	-.03	25	45
23-42-0026	6235286	1347940	8-64	5	302	15,456	3.56	551	24	12,444	3.66	455	2-72		44	817	-.01	28	48
23-42-0042	6542554	1347940	1-66	1	305	18,970	3.69	700	8	15,320	3.77	577	8-71		36	797	.00	28	47
23-42-0051	6445556	1347940	4-65	4	305	17,562	3.94	692	9	14,302	3.79	542	3-71		44	861	.03	35	55
23-42-0051	6499410	1347940	2-66	3	305	16,450	3.73	614	9	13,410	3.75	503	1-72		42	809	.00	29	48
23-42-C051	6698323	1347940	12-66	2	305	17,410	3.58	623	13	13,665	3.77	515	11-70		40	860	-.02	28	49
23-42-C113	6346921	1347940	5-65	4	305	17,510	3.79	663	33	15,317	3.68	564	7-71		44	742	.01	29	46
23-42-0113	6705587	1347940	10-66	3	305	17,700	3.73	660	40	14,833	3.61	535	8-71		42	806	.01	31	50
23-42-0113	6705588	1347940	11-66	3	305	16,996	3.55	603	43	14,810	3.61	534	10-71		42	727	-.01	25	43
23-42-0113	6818627	1347940	2-67	3	305	17,793	3.51	625	47	14,883	3.62	539	11-71		42	811	-.01	27	47
23-42-0113	7007421	1347940	11-67	1	305	16,880	3.63	612	18	14,090	3.70	521	4-71		36	724	.00	26	43
23-42-0113	7154027	1347940	8-68	2	305	17,840	3.34	595	45	15,040	3.70	557	2-72		40	778	-.04	22	42
23-42-0113	7154029	1347940	8-68	2	305	17,865	3.76	672	38	15,045	3.72	560	3-72		40	780	.01	29	47
23-42-0113	7177087	1347940	6-68	1	305	18,500	3.69	682	52	15,200	3.72	565	12-70		36	770	.00	28	46
23-42-0113	7177088	1347940	6-68	2	294	18,540	3.68	682	50	15,145	3.69	559	12-71		40	839	.00	30	50
23-42-0113	7240659	1347940	11-68	1	305	18,710	3.94	737	36	14,750	3.77	556	7-71		36	816	.02	33	52
23-42-C113	7240665	1347940	1-69	1	305	16,570	3.87	641	18	14,090	3.70	521	4-71		36	701	.02	28	44
23-42-0116	6963744	1347940	8-67	2	305	16,655	3.85	641	9	14,170	3.75	531	8-71		40	737	.02	29	46
23-42-C119	6369083	1347940	9-65	4	302	20,152	3.42	689	8	16,035	3.88	622	3-71		44	988	-.06	26	51
23-42-C119	6625152	1347940	9-66	4	299	18,825	3.86	726	11	17,012	3.92	667	12-71		44	716	.00	26	43
23-42-0119	6791726	1347940	4-67	3	305	20,143	3.93	792	9	17,196	3.86	664	12-71		42	842	.02	33	53
23-42-0119	7221990	1347940	10-68	2	305	23,380	3.52	823	11	17,150	3.98	682	10-71		40	1,148	-.05	33	62
23-42-0122	6509841	1347940	9-65	4	297	16,732	3.69	618	10	14,512	3.63	527	6-71		44	735	.01	28	45
23-42-C122	6727301	1347940	8-66	3	305	17,943	3.72	667	10	15,063	3.70	558	8-71		42	810	.01	30	49
23-42-0122	6798905	1347940	5-67	3	304	17,196	4.05	697	9	15,336	3.74	574	12-71		42	696	.05	32	47
23-42-0122	7042516	1347940	7-67	2	305	18,955	3.67	696	10	15,715	3.72	585	3-71		40	830	-.01	29	49
23-42-0122	7042517	1347940	8-67	3	305	17,236	4.09	705	7	15,613	3.68	574	3-72		42	671	.06	33	47
23-42-C122	7042518	1347940	8-67	3	305	18,466	3.83	707	9	15,060	3.76	567	2-72		42	870	.02	34	54
23-42-0122	7042519	1347940	11-67	3	300	17,493	3.74	655	12	15,123	3.72	562	10-71		42	752	.01	28	46
23-42-0122	7042522	1347940	3-68	2	305	17,005	3.71	631	12	14,900	3.71	553	10-71		40	706	.00	26	43
23-43-0032	6864810	1493686	8-67	3	294	20,063	3.57	717	16	17,050	3.63	619	3-72		42	767	.02	31	49
23-43-0046	7074007	1458744	12-67	2	305	24,545	3.67	900	19	16,625	3.33	553	9-71		40	1,276	.03	51	80
23-43-C159	6073471	1355784	10-63	6	298	20,311	3.08	625	13	14,816	3.63	538	10-71		44	1,171	-.15	19	51
23-43-C172	7353063	1309574	1-68	3	298	21,193	3.74	793	5	16,263	3.35	545	3-72		42	798	.09	43	59
23-43-C177	6817389	1261857	5-67	3	299	18,490	3.84	710	12	16,897	3.70	626	3-72		42	603	.08	33	45
23-43-0177	6828503	1261857	1-67	2	305	19,135	3.99	763	11	16,730	3.94	659	9-71		40	673	.07	35	49
23-43-0177	7017350	1261857	3-68	2	305	20,355	3.84	781	6	15,305	3.80	582	7-71		40	927	.07	44	64
23-43-C196	7605535	1427381	8-68	2	302	16,165	3.90	631	16	14,570	3.62	528	8-71		40	885	.07	42	61
23-43-0201	7066044	1399824	11-67	3	286	18,547	3.64	675	5	15,223	3.69	561	12-71		42	706	.02	28	44
23-43-0217	7586424	1427381	2-70	1	305	18,690	4.29	801	23	16,720	3.73	623	12-71		36	931	.09	48	68
23-43-0217	7586425	1427381	3-70	1	291	18,980	3.94	748	23	16,720	3.73	623	12-71		36	953	.06	44	65
23-43-C230	7389185	1320310	4-69	1	305	23,450	3.63	852	6	17,110	3.50	598	11-71		36	1,086	-.03	35	62
23-43-C236	6930443	1347940	11-67	2	303	17,655	3.70	654	9	14,320	3.67	525	11-71		40	825	.00	30	50
23-43-C238	7022728	1420249	4-66	2	305	18,655	3.56	665	10	12,205	3.67	448	11-71		25	788	-.01	27	46
23-44-C003	5303616	1179372	12-60	8	302	20,329	3.68	749	24	16,880	3.57	603	5-71		44	666	.03	28	43
23-44-0003	7061549	1347940	1-68	2	305	20,125	3.87	778	25	15,760	3.67	578	5-71		40	944	.03	38	60
23-44-0003	7144205	1347940	4-68	2	305	19,545	3.69	722	29	15,460	3.67	567	8-71		40	913	.01	34	56
23-44-0004	6246290	1347940	7-64	5	295	19,220	3.35	644	16	15,524	3.67	570	1-72		44	945	-.05	27	51
23-44-0004	6597514	1347940	5-65	4	305	19,802	3.26	645	9	15,760	3.71	584	5-71		44	976	-.07	25	50
23-44-0014	6774783	1347940	9-66	4	298	16,940	3.60	610	15	14,885	3.50	521	10-71		44	720	.01	27	44
23-44-0014	7144152	1347940	1-68	3	283	17,190	3.29	565	10	14,243	3.64	518	10-71		42	808	-.05	22	43
23-44-0014	7233805	1489993	9-68	2	298	19,760	3.78	747	11	13,880	3.65	507	6-71		32	899	.04	39	59
23-44-0020	6799608	1347940	5-67	2	305	19,855	3.16	628	7	16,815	3.48	586	2-71		40	820	-.05	22	43
23-44-C025	6471203	1347940	8-65	4	305	18,692	3.18	595	25	15,507	3.66	568	3-71		44	867	-.07	20	43
23-44-0025	6572752	1347940	11-65	4	305	18,645	3.33	621	27	15,417	3.70	571	12-70		44	871	-.06	23	45
23-44-C025	6649707	1347940	7-66	3	305	19,800	3.42	678	27	15,933	3.68	587	6-71		42	933	-.04	28	51
23-44-0025	6769694	1239242	12-66	3	305	20,313	4.10	833	27	15,253	3.68	561	7-71		42	746	.07	37	53
23-44-0025	6947774	1347940	10-67	2	305	18,720	3.73	698	29	15,140	3.79	574	9-71		40	858	-.01	30	51
23-44-0025	7155889	1505896	2-68	2	305	19,110	3.98	761	25	15,785	3.81	601	2-72		29	607	.05	33	43
23-44-0025	7155894	1413165	4-68	2	305	22,515	3.11	700	35	14,950	3.85	575	10-71		40	1,105	-.17	13	44
23-44-0025	7155899	1347940	9-68	2	300	19,210	3.87	743	19	16,680	3.81	636	4-72		40	767	.01	29	47
23-44-0025	7313313	1505896	11-68	1	305	21,970	3.57	785	28	14,630	3.88	567	7-71		23	870	-.01	30	51
23-44-0025	7313315	1505896	11-68	2	305	20,035	3.87	776	18	16,205	3.75	607	4-72		29	674	.04	31	46
23-44-0025	7487848	1347940	11-69	1	305	20,730	3.90	809	15	17,500	3.93	688	4-72		36	782	.01	29	47
23-44-0025	7487854	1505896	7-69	1	305	20,410	3.69	753	33	14,770	3.89	575	8-71		23	718	.00	26	43
23-44-0025	7487856	1505896	11-69	1	305	20,900	4.41	922	13	16,870	3.84	648	4-72		23	591	.10	36	47
23-44-0026	6228051	1296729	11-64	5	305	23,868	3.37	805	24	15,638	3.80	595	8-71		44	1,251	-.12	26	59
23-44-0026	6768758	1474927	10-66	4	300	21,973	3.30	725	26	15,490	3.81	590	9-71		30	1,002	-.09	22	46
23-44-0026	6826222	1239242	5-67	2	305	20,975	3.86	810	21	15,700	3.71	583	6-71		40	708	.02	29	45
23-44-0034	6224121	1347940	12-64	4	296	19,337	3.63	702	19	14,545	3.71	539	8-71		44	1,053	-.01	37	62
23-44-0036	6641784	1347940	5-66	3	300	16,660	3.49	581	9	12,533	3.58	449	8-70		42	924	-.02	31	53
23-44-0052	7116040	1347940	3-68	2	305	18,570	3.81	707	10	15,035	3.73	561	6-71		40	853	.01	33	53
23-44-0052	7353390	1347940	1-69	2	300	16,705	3.99	666	17	14,715	3.83	563	12-71		40	692	.02	23	44
23-44-0059	5695205	1181029	1-62	5	305	20,238	3.97	803	19	14,852	3.51	522	4-71		44	721	.09	40	55
23-44-C059	6636150	1347940	5-66	4	299	16,927	3.80	643	11	14,457	3.69	533	7-71		44	766	.02	30	48
23-44-0061	7016175	1347940	12-67	2	287	18,760	3.55	666	10	15,600	3.58	559	12-71		40	820	.00	29	49
23-44-C064	6990992	1347940	1-67	3	305	17,276	3.35	579	9	14,300	3.53	505	11-71		42	812	-.03	25	45

TABLE 3. HOLSTEIN USOA-OHIA HIGH RANKING COWS (CONTINUEO).

COW'S LAST HERO COOE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PROOUCTION. RECS	OAYS	MILK (LB)	FAT (%)	FAT (LB)	..HEROMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVO MO-YR	T C O	REPT (%)	.......C O W I N O E X....... MILK (LB)	FAT (%)	FAT (LB)	OOL-LARS
23-44-0064	7093262	1347940	6-68	2	305	16,490	3.78	623	8	14,780	3.57	528	3-72		40	665	.02	27	$ 42
23-44-0073	6554959	1460566	3-66	4	262	22,605	3.62	819	19	16,540	3.81	630	7-71		42	820	-.04	23	44
23-44-0073	6826120	1448051	4-67	3	305	18,460	3.52	650	14	14,103	3.87	546	7-71		36	961	-.06	26	50
23-44-0085	6358659	1347940	6-65	3	305	15,220	3.82	581	10	12,686	3.52	446	12-70		42	743	.03	32	49
23-44-0086	6911594	1347940	8-67	2	299	16,500	3.64	601	48	13,225	3.77	499	9-71		40	808	-.01	28	47
23-44-0086	6946238	1347940	10-67	2	305	19,295	3.77	728	41	13,095	3.80	497	11-71		40	1,103	.01	41	67
23-44-0086	7742718	1386406	10-69	1	305	19,230	3.15	605	30	11,110	3.94	438	1-72		36	839	-.04	24	45
23-44-0088	6423977	1347940	8-65	4	305	15,997	4.08	653	7	14,050	3.77	529	2-72		44	696	.05	32	47
23-44-0099	6454493	1347940	10-65	4	299	18,685	3.83	715	16	16,012	3.72	595	2-72		44	810	.02	32	51
23-44-0099	6712219	1469311	11-66	3	303	20,777	3.86	802	28	16,953	3.78	641	10-71		42	658	.05	32	46
23-44-0099	6902775	1347940	4-67	3	304	20,403	3.59	733	14	15,533	3.68	572	7-71		42	1,044	-.01	36	61
23-44-C099	6941139	1347940	11-67	3	299	18,566	3.58	665	20	15,933	3.75	598	9-71		42	791	-.02	25	44
23-44-0099	7456650	1347940	8-69	1	305	22,370	3.79	848	22	16,480	3.85	635	9-71		36	973	.01	36	59
23-44-0103	6440871	1287089	12-65	4	305	21,260	4.16	884	18	17,085	3.72	635	9-71		44	471	.11	34	42
23-44-0103	6924632	1471956	11-67	3	305	23,763	3.66	870	9	18,670	3.59	671	3-72		41	1,026	.01	38	62
23-44-C103	7480917	1347940	7-69	1	305	18,950	4.09	776	17	16,670	3.85	642	7-71		36	705	.03	30	46
23-44-0104	6531296	1347940	3-66	4	300	16,927	3.77	638	12	14,597	3.65	533	2-72		44	750	.01	29	47
23-44-0104	6622365	1347940	7-66	3	301	19,130	3.53	675	9	15,130	3.62	548	6-71		42	939	-.01	32	55
23-44-0104	6924622	1347940	2-67	3	305	18,156	3.54	642	11	14,453	3.53	510	7-71		42	897	.00	32	53
23-44-0104	6963033	1347940	6-67	3	305	18,730	3.93	736	13	14,490	3.80	550	1-72		42	960	.03	39	61
23-44-0111	6747244	1425137	11-66	4	294	20,320	3.94	800	22	14,873	3.82	568	1-72		44	721	.03	30	46
23-44-0111	6978755	1347940	11-67	3	305	16,956	4.08	691	16	14,846	3.81	566	3-72		42	719	.04	32	48
23-44-0111	7180313	1347940	9-66	4	304	18,902	3.57	674	19	15,025	3.82	574	2-72		44	946	-.03	29	52
23-44-0111	7499907	1347940	6-69	1	305	18,710	3.63	679	21	15,110	3.83	578	1-72		36	792	-.01	27	46
23-44-0112	6579021	1347940	7-66	1	305	16,850	3.51	592	13	11,770	3.65	430	11-71		36	877	-.01	30	51
23-44-0112	6915523	1347940	8-67	1	305	19,050	4.24	808	13	13,480	3.57	481	4-71		36	926	.06	43	63
23-44-C112	7655329	1347940	10-68	1	275	18,750	3.39	635	10	13,450	3.58	482	2-72		36	906	-.02	[illegible]	52
23-44-0122	7534187	1489981	3-70	1	305	18,260	4.12	753	11	13,970	4.09	571	2-72		35	506	.11	34	43
23-44-0132	5406217	1347940	8-61	5	305	17,626	3.68	648	13	13,698	3.54	485	9-71		44	951	.02	37	59
23-44-0132	7544022	1347940	8-69	1	305	17,510	3.83	671	22	15,190	3.78	574	11-71		36	697	.01	26	42
23-44-0137	6622366	1347940	7-66	3	301	15,870	3.76	596	17	13,866	3.48	483	7-71		42	695	.03	29	45
23-44-0137	6980178	1347940	4-67	3	288	17,863	3.70	661	17	13,820	3.47	479	8-71		42	929	.02	37	58
23-44-0138	7497272	1347940	6-68	2	290	18,430	3.45	635	13	15,735	3.57	562	8-71		40	774	-.02	25	44
23-44-0145	6741260	1347940	9-66	3	305	19,266	3.62	698	9	15,213	3.61	549	11-71		42	946	.00	34	57
23-44-C145	6968210	1330987	9-67	2	305	20,200	3.76	760	9	15,495	3.70	573	3-71		40	787	.04	35	53
23-44-C161	6262080	1347940	11-64	3	297	22,173	3.37	747	6	18,806	3.61	679	3-71		42	909	-.04	27	5[illegible]
23-44-0161	7019663	1347940	3-67	3	293	20,626	3.57	736	8	17,650	3.66	646	12-71		42	850	-.01	29	5[illegible]
23-44-0161	7031640	1347940	9-67	1	305	22,380	3.56	796	6	16,830	3.60	606	3-71		36	950	.00	34	57
23-44-0161	7603402	1347940	8-68	1	305	19,670	3.31	651	6	16,830	3.60	606	3-71		36	748	-.03	23	42
23-44-0162	5952419	1330987	10-63	5	304	19,128	3.98	762	14	16,600	3.63	603	5-71		44	633	.09	36	49
23-44-0162	7163238	1427381	9-68	2	305	19,965	3.38	675	14	17,185	3.68	632	7-71		40	1,032	.00	37	62
23-44-0162	7175723	1458744	8-68	2	305	22,065	3.57	788	15	16,805	3.59	604	8-71		40	1,008	-.01	35	59
23-44-0162	7222090	1427381	9-68	1	305	22,520	3.10	699	12	18,940	3.42	647	12-70		36	1,068	.00	39	64
23-44-0165	7352163	1330987	7-69	1	305	17,730	3.45	611	32	12,780	3.82	488	9-71		36	675	.01	26	42
23-44-0168	6841287	1347940	2-67	3	299	15,943	3.78	602	16	13,160	3.60	474	2-72		42	777	.02	31	49
23-44-C168	6966628	1347940	9-67	2	292	16,740	4.30	719	15	12,935	3.65	472	3-72		40	859	.07	42	6[illegible]
23-44-0168	7163223	1347940	2-68	2	305	16,395	3.61	592	15	13,380	3.67	491	11-71		40	783	-.01	27	46
23-44-C168	7426872	1447414	9-69	1	305	19,340	3.61	698	17	12,950	3.76	487	2-72		35	1,081	-.03	34	61
23-44-C174	6833513	1347940	4-67	2	305	15,155	3.52	534	22	12,520	3.45	432	8-70		40	736	.00	27	44
23-44-C176	6766511	1329588	3-67	3	305	22,677	3.54	803	17	17,373	3.64	633	11-71		42	844	-.03	26	47
23-44-C176	7139120	1347940	8-68	2	299	20,140	3.31	667	8	15,780	3.48	549	2-72		40	944	-.03	30	53
23-44-0177	6715536	1347940	9-66	3	298	17,450	3.56	621	12	14,843	3.77	559	11-71		42	776	-.03	24	43
23-44-C177	6715537	1347940	9-66	4	305	18,080	3.42	618	10	15,262	3.86	589	11-71		44	819	-.06	21	42
23-44-C177	7440513	1464901	11-69	1	305	19,060	3.43	653	17	16,230	3.94	639	1-72		33	863	-.06	22	44
23-44-C180	6710845	1347940	9-66	4	304	17,825	3.47	618	7	15,760	3.44	542	10-71		44	732	.00	26	43
23-44-0182	7030315	1347940	3-68	2	302	16,520	3.78	624	11	12,750	3.63	463	10-71		40	853	.01	33	53
23-44-0187	6784570	1309574	2-67	4	293	21,048	3.74	788	14	17,140	3.70	634	1-72		44	721	.05	34	50
23-44-C187	7458385	1427381	7-69	1	305	21,290	3.98	848	27	16,970	3.87	656	10-71		36	1,108	.06	49	74
23-44-0191	6974504	1347940	11-67	3	305	16,293	4.39	715	5	13,463	4.03	543	10-71		42	786	.06	37	54
23-44-0191	7168548	1347940	6-68	2	305	17,470	3.62	633	6	14,080	4.06	572	10-71		40	828	-.04	24	45
23-44-C191	7535912	1347940	1-70	1	305	19,660	3.76	740	8	14,760	4.05	598	1-72		36	886	-.01	30	51
23-44-C194	6218234	1287089	1-65	4	305	18,945	3.96	750	19	13,838	3.63	502	9-71		44	546	.08	32	43
23-44-0194	7745842	1347940	6-69	1	305	16,030	3.54	567	18	12,930	3.59	464	7-71		36	738	.00	26	44
23-44-0195	7385265	1387978	12-67	1	273	16,900	3.85	651	12	13,280	3.66	486	2-71	H	36	691	.01	26	42
23-44-0204	6596248	1347940	10-65	3	305	19,143	3.78	724	14	15,613	3.76	587	11-70		42	891	.01	33	54
23-44-0205	6462399	1347940	10-65	3	304	19,070	3.59	685	8	15,873	3.74	594	2-72		42	855	-.02	28	49
23-44-0205	6524277	1347940	8-65	5	295	18,606	3.62	673	15	15,242	3.74	570	1-72		44	898	-.02	30	52
23-44-C205	6674736	1347940	9-66	1	305	18,540	3.60	668	11	14,520	3.77	548	8-70		36	819	-.01	28	48
23-44-C206	5723824	1396768	9-62	3	305	22,947	3.39	778	16	15,593	3.50	546	6-71		42	1,022	-.04	31	56
23-44-0206	6147718	1239242	11-64	2	305	22,225	3.69	820	14	16,625	3.60	598	8-71		40	751	.01	29	47
23-44-C206	6946240	1399824	9-67	3	300	19,293	4.03	778	11	15,153	3.53	535	10-71		42	799	.09	42	59
23-44-0206	7302003	1399824	8-68	2	300	21,445	3.67	786	14	15,425	3.67	566	8-71		40	946	.03	38	6[illegible]
23-44-C207	6779986	1347940	2-67	2	[illegible]	24,290	3.22	783	11	17,610	3.59	633	12-70		40	1,198	-.06	34	64
23-44-0207	7093574	1347940	1-68	2	[illegible]	19,400	3.94	765	6	16,880	3.63	613	3-71		40	768	.04	34	51
23-44-0207	7172705	1458744	8-67	2	305	20,995	3.58	751	13	18,060	3.54	639	12-70		40	785	.00	28	47
23-44-C207	7200838	1347940	10-68	1	305	21,330	3.18	678	12	17,950	3.65	656	2-71		36	797	-.04	22	42
23-44-0207	7244899	1347940	2-67	1	305	19,910	3.59	715	14	17,760	3.63	645	1-71		36	704	.00	25	42
23-44-0217	7176632	1519098	8-68	2	253	21,365	4.22	902	18	17,530	3.76	660	2-72	B	25	525	.09	33	43
23-44-0217	7190267	1447141	7-68	2	305	22,010	3.65	803	24	17,910	3.66	655	7-71		40	680	.05	32	47
23-44-C217	7201733	1458744	6-68	2	305	22,805	3.40	775	24	18,360	3.56	654	6-71		40	941	-.03	29	52
23-44-C228	6973704	1261857	9-67	3	243	18,697	3.80	711	15	15,350	3.84	590	11-71	B	42	787	.06	37	54
23-44-7004	6697932	1347940	9-66	2	305	17,680	3.92	693	27	14,990	3.72	558	9-71		40	766	.02	31	49
23-44-7004	7236571	1347940	7-68	2	305	18,300	3.59	657	20	15,790	3.76	593	11-71		40	756	-.01	25	43
23-44-7004	7236572	1347940	8-68	2	302	17,820	3.64	649	26	15,150	3.75	568	10-71		40	766	-.01	26	45
23-44-7004	7236575	1427381	9-68	2	305	20,495	3.83	784	19	16,475	3.75	617	1-72		40	1,150	.05	50	76

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C O	.......C O W REPT (%)	I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
23-44-7037	7159085	1347940	10-66	2	297	19,120	3.40	650	16	16,835	3.44	579	10-71		40	744	-.01	25	$ 43
23-44-7040	6390269	1347940	7-65	2	305	18,175	4.23	768	8	14,975	3.81	571	6-71		40	818	.06	38	56
23-46-0102	5990876	1189870	10-63	6	288	20,925	3.62	758	15	15,605	3.76	587	8-71		44	899	-.01	31	53
23-46-0102	6513788	1320310	9-65	5	305	19,772	3.21	635	22	16,590	3.80	631	3-72		44	958	-.12	16	42
23-46-0112	6254126	1189870	12-63	6	304	20,083	4.08	820	25	15,168	3.72	565	12-71		44	841	.08	42	60
23-46-0112	6274715	1441598	11-64	5	304	20,756	3.12	648	17	14,802	3.65	540	11-71		33	1,064	-.12	20	49
23-46-0112	6563795	1441440	11-65	4	305	18,780	3.25	610	10	14,937	3.62	541	8-71		44	830	-.03	25	46
23-46-0112	6571441	1347940	11-65	4	305	19,050	3.39	645	15	14,785	3.62	535	1-72		44	991	-.04	30	55
23-46-0113	6443638	1320310	6-65	4	305	21,485	3.67	789	12	16,733	4.03	674	2-71		44	1,142	-.07	30	59
23-46-0113	7302138	1441440	11-68	1	305	20,560	4.13	849	14	17,170	4.04	693	12-70		36	666	.05	31	46
23-46-0117	6933689	1320310	9-67	3	303	18,130	3.92	710	7	15,540	4.16	647	1-72		42	850	-.05	23	45
23-46-0119	7300862	1320310	12-68	1	305	19,770	3.60	711	13	13,740	3.89	534	2-72		36	1,038	-.05	29	55
23-46-0127	7016641	1320310	12-67	2	305	21,275	3.54	753	7	16,280	3.72	606	2-71		40	1,084	-.05	31	58
23-46-0216	6271253	1320310	3-65	5	282	18,444	3.82	704	23	16,220	3.92	636	11-71		44	830	-.04	24	45
23-46-0216	6353918	1441440	3-65	5	293	18,228	4.73	862	33	16,512	3.77	623	11-71		44	592	.18	48	57
23-46-0216	6843578	1347940	3-67	3	305	20,473	3.56	728	23	16,870	3.79	640	10-71		42	914	-.03	28	51
23-46-0216	6897270	1239242	7-67	3	302	21,837	3.49	763	25	16,090	3.74	601	7-71		42	835	-.04	24	45
23-46-0216	6905664	1309574	9-67	3	304	19,817	3.84	760	35	16,480	3.76	619	9-71		42	618	.06	31	44
23-46-0216	6941393	1505944	10-67	2	305	25,770	3.28	846	37	17,590	3.64	641	1-71		32	792	-.02	25	44
23-46-0216	6954919	1441440	10-67	3	305	20,866	3.81	795	21	18,506	3.66	677	4-72		42	676	.05	32	47
23-46-0216	7261976	1458744	12-68	1	305	21,020	3.46	727	28	16,300	3.75	612	8-71		36	845	-.03	26	47
23-46-0216	7650768	010275932	9-67	2	305	24,810	3.45	857	35	18,340	3.77	692	1-72		40	820	-.02	26	46
23-46-0216	7858123	010288790	3-67	1	305	23,980	3.35	803	17	18,330	3.85	705	4-72		33	743	.01	29	46
23-46-0220	5567283	1163043	11-60	8	303	18,815	3.98	749	23	14,821	3.83	568	5-71		44	481	.12	35	43
23-46-0220	6553536	1347940	10-65	4	305	19,440	3.67	714	17	15,907	3.90	620	3-71		44	915	-.03	29	52
23-46-0220	6618540	1347940	7-65	4	301	19,272	3.83	738	16	15,525	3.92	609	5-71		44	936	.00	33	55
23-46-0220	6762334	1347940	10-66	4	305	18,347	4.11	754	15	16,127	3.89	627	3-72		44	755	.04	33	5.
23-46-0220	6941056	1347940	9-67	3	305	19,286	3.89	750	26	15,356	3.91	600	12-71		42	934	.01	35	57
23-46-0220	7184182	1347940	12-66	3	305	18,893	3.97	750	28	15,370	3.91	601	11-71		42	887	.02	35	56
23-46-0220	7698540	1347940	1-69	1	305	17,550	3.63	637	50	14,350	3.85	552	8-71		36	756	-.01	25	43
23-46-0222	6600229	1320310	3-66	1	305	20,240	3.78	765	49	17,910	3.72	667	1-71		36	793	-.03	24	44
23-46-0222	6600230	1320310	3-66	2	305	18,265	3.51	642	38	15,570	3.77	587	3-72		40	843	-.06	21	43
23-46-0222	6736124	1347940	9-66	3	305	20,220	4.09	828	41	16,716	3.64	609	7-71		42	901	.07	43	63
23-46-0222	6736129	1273756	1-67	3	305	18,187	4.02	732	35	15,990	3.68	588	10-71		42	577	.07	32	44
23-46-0222	7007549	1347940	11-67	2	305	18,640	4.15	773	36	16,455	3.65	601	7-71		40	730	.06	36	52
23-46-0232	7103715	1347940	8-66	2	305	19,630	4.01	788	11	14,220	3.92	558	11-70		40	1,035	.02	41	65
23-46-0232	7149829	1347940	11-66	3	304	17,323	3.77	653	14	13,786	3.90	537	7-71		42	871	-.01	30	51
23-46-0233	4849489	1189870	2-59	6	300	19,228	3.54	680	25	14,697	3.81	560	3-71		44	786	-.03	24	43
23-46-0233	6423759	010288790	12-65	4	305	21,450	4.02	863	39	15,207	3.79	577	9-71		41	1,049	.11	55	77
23-46-0233	7623610	1399824	10-69	1	305	23,200	3.38	784	43	16,700	3.73	623	11-71		36	847	-.01	29	49
23-46-0233	7623611	1441440	9-69	1	305	20,940	4.05	849	40	16,790	3.70	621	11-71		36	720	.07	36	51
23-46-0237	7589456	1261857	3-70	1	305	17,200	4.03	693	5	14,690	3.72	546	3-72		36	620	.08	35	47
23-46-0238	6672719	1300014	1-66	4	305	21,560	3.76	810	11	16,915	3.79	641	1-72		44	848	-.05	23	45
23-46-0238	6826457	1320310	3-67	3	305	20,107	3.68	740	12	16,713	3.97	663	11-71		42	956	-.06	25	49
23-46-0238	7058848	1441440	5-68	1	305	27,720	3.54	980	14	17,420	3.85	670	1-71		36	1,183	.00	42	7.
23-46-0244	6620468	1309574	4-66	4	305	16,165	3.89	629	15	12,810	3.79	485	8-71		44	600	.06	31	44
23-46-0244	6882872	1347940	5-67	2	305	16,365	3.67	601	10	12,385	3.54	439	2-72		40	871	.01	33	53
23-46-0303	6828370	1347940	1-67	3	305	18,946	3.34	632	70	15,856	3.62	574	1-72		42	843	-.04	24	45
23-46-0303	7293849	1441440	8-68	2	305	18,635	3.98	741	62	16,135	3.62	584	2-72		40	641	.07	33	46
23-46-0321	7561495	1320310	3-69	1	305	19,740	3.92	773	14	14,980	3.81	570	6-71		36	952	-.02	31	54
23-46-0321	7561496	1320310	3-69	1	305	16,990	3.85	654	14	14,340	4.02	576	8-71		36	790	-.04	22	42
23-46-0323	6576510	1320310	12-65	4	301	17,623	4.07	718	15	15,068	3.96	596	5-71		44	850	.00	30	50
23-46-0323	6837237	1399824	10-66	3	305	19,307	4.10	792	20	15,663	3.98	623	1-71		42	747	.05	35	51
23-46-0324	7046920	1347940	12-66	4	296	18,165	3.42	621	10	14,557	3.74	544	2-72		44	907	-.04	26	49
23-46-0333	6922103	1261857	8-67	3	291	16,783	3.91	656	30	14,567	3.73	543	3-72		42	648	.08	36	49
23-46-0346	6540450	1347940	3-66	4	301	22,270	3.43	763	19	16,890	3.82	645	2-71		44	1,155	-.06	32	61
23-46-0346	6689976	1347940	10-66	3	297	20,670	3.14	649	14	16,530	3.91	647	11-70		42	971	-.10	19	45
23-46-0346	6939899	1347940	12-67	2	305	22,755	3.08	701	14	16,750	3.92	657	4-71		40	1,121	-.11	23	53
23-46-0347	6597922	1347940	8-66	3	305	17,826	3.70	660	12	14,173	3.90	553	3-71		42	888	-.01	30	52
23-46-0352	6987293	1347940	9-67	2	305	19,520	3.44	672	13	14,990	3.70	555	10-71		40	953	-.03	30	53
23-46-0352	7486307	1522595	2-68	2	260	18,505	3.24	599	17	14,020	3.82	535	10-71		30	904	-.08	21	45
23-46-0404	6295710	1406271	1-65	5	303	16,762	3.97	666	22	14,732	3.58	527	9-71		44	624	.09	36	48
23-46-0404	6911360	1347940	7-67	2	305	20,335	3.68	748	19	15,270	3.77	576	11-71		40	1,010	-.01	35	59
23-46-0404	7059046	1347940	12-67	2	305	18,830	3.81	718	11	15,405	3.81	587	8-71		40	845	.00	31	51
23-46-0410	6804353	1347940	12-66	2	305	16,330	3.48	568	10	12,875	3.82	492	10-70		40	823	-.03	25	45
23-46-0417	6842612	1347940	7-67	2	302	16,775	3.76	631	18	13,700	3.55	487	4-71		40	792	.02	32	5.
23-46-0417	6938082	1347940	9-67	2	305	16,820	3.53	594	19	13,570	3.58	486	4-71		40	809	-.01	28	47
23-46-0417	7104807	1347940	4-66	3	294	15,816	3.70	585	20	13,816	3.60	497	12-71		42	694	.01	27	43
23-46-0438	6672735	1309574	11-66	4	303	18,015	3.79	683	9	15,198	3.54	538	2-72		44	563	.08	32	43
23-46-0440	7291678	1347940	11-68	2	301	18,080	3.67	664	11	14,040	3.80	533	3-72		40	894	-.01	31	53
23-46-0449	5241179	1345286	9-60	6	304	21,392	3.59	767	18	17,012	3.79	645	2-71		35	780	-.04	22	42
23-46-0449	6336570	010268045	3-62	5	300	20,538	3.43	704	11	15,350	3.91	600	7-71		36	963	-.12	16	42
23-46-0449	6336574	010268045	2-61	5	305	20,834	3.65	761	12	15,874	3.92	622	6-71		36	937	-.08	22	46
23-46-0449	7029006	1347940	10-67	3	301	18,483	4.15	767	25	15,663	3.81	597	1-72		42	810	.05	37	55
23-46-0449	7029007	1469311	10-67	2	305	20,035	4.18	837	28	15,745	3.86	608	12-71		40	640	.09	37	5.
23-46-0449	7029009	1347940	10-66	2	305	21,475	3.91	839	16	15,175	3.76	571	3-71		40	1,135	.03	45	71
23-46-0503	6968900	1320310	10-67	2	305	17,100	3.40	581	12	12,630	3.94	497	3-71		40	994	-.08	23	49
23-46-0528	6545070	1206797	2-66	3	305	23,123	3.57	825	5	17,267	3.51	606	5-71		42	923	.00	34	56
23-46-0528	7095079	1347940	1-68	2	303	22,705	3.52	800	5	17,965	3.63	652	3-71		40	1,005	-.01	34	58
23-46-7035	6913269	1347940	11-67	2	305	15,385	4.37	672	7	12,360	4.00	495	4-72		40	774	.05	35	52
23-46-7035	7260007	1347940	2-68	2	305	15,880	4.07	647	10	12,890	4.00	515	3-72		40	776	.02	31	49
23-47-0025	6268181	1347940	11-64	5	304	18,146	3.45	626	7	14,608	3.79	554	2-71		44	912	-.05	26	49
23-47-0025	6721960	1347940	8-66	4	249	17,067	3.94	673	7	14,122	3.80	537	12-71	B	44	820	.02	33	52
23-47-0025	6721962	1347940	12-66	3	302	19,576	3.64	713	5	14,760	3.77	556	1-71		42	1,029	-.01	35	60
23-47-0025	6964622	1347940	8-67	2	305	19,585	3.43	671	7	14,255	3.81	543	12-70		40	1,027	-.04	31	57

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HEROMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C D	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
23-47-0025	7027803	1347940	3-68	2	305	18,170	3.70	673	5	14,815	3.79	561	8-71		40	832	-.01	29	$ 49
23-47-0025	7213504	1347940	8-68	1	305	16,690	3.80	635	9	14,130	3.80	537	9-70		36	707	.00	26	43
23-47-0072	6749086	1347940	1-67	3	305	22,653	3.66	828	8	16,993	3.75	637	7-71		42	1,152	-.01	40	68
23-47-0072	7802463	1427381	12-69	1	305	24,950	3.39	845	16	18,600	3.59	667	12-71		36	1,272	.01	48	78
23-47-0073	7561681	1347940	11-69	1	305	22,240	3.13	697	15	16,770	3.69	619	9-71		36	943	-.06	25	49
23-47-0081	5654495	1189870	6-62	6	305	21,912	3.66	801	22	14,848	3.86	573	4-71		44	1,114	-.01	38	65
23-47-0081	5996521	1189870	12-63	4	305	18,418	3.79	698	22	14,533	3.84	558	3-71		44	681	.01	26	42
23-47-0081	5996523	1424026	8-63	6	305	19,790	3.87	766	30	15,200	3.82	580	9-71		32	741	.03	31	48
23-47-0081	6546118	1347940	10-65	4	305	17,225	4.01	691	29	14,170	3.87	548	11-71		44	834	.03	34	53
23-47-0081	6546123	1347940	12-65	3	305	19,806	3.50	694	30	15,073	3.87	583	1-71		42	1,023	-.04	30	56
23-47-0081	6546124	1347940	12-65	4	305	18,745	3.32	622	27	14,742	3.85	568	10-71		44	958	-.07	24	49
23-47-0081	7185994	1471956	9-68	1	305	18,430	4.40	811	36	15,330	4.04	620	6-71		35	666	.03	29	44
23-47-0081	7408284	1347940	9-69	1	305	18,560	4.21	781	48	15,050	3.98	599	9-71		36	785	.03	33	51
23-47-0081	7527155	1427381	12-69	1	305	16,490	3.89	641	29	14,880	4.22	628	1-72		36	891	.03	36	57
23-48-0004	6953576	1458744	11-67	3	305	18,400	3.80	699	20	15,036	3.87	582	2-72		42	829	-.01	29	49
23-48-0004	7183599	1458744	9-68	2	299	19,010	3.79	720	16	15,410	3.86	595	2-72		40	826	-.01	29	49
23-48-0025	6721278	1347940	2-67	2	298	22,375	3.72	833	27	17,640	3.61	637	7-71		40	1,001	.01	38	61
23-48-0025	6721280	1347940	2-67	3	304	19,916	3.94	785	17	18,340	3.85	706	3-71		42	697	.02	28	44
23-48-0025	7137203	1436415	7-68	2	305	27,040	3.58	969	29	17,875	3.62	647	8-71		39	887	-.02	29	51
23-48-0025	7199006	1347940	11-68	2	305	18,880	3.82	722	27	17,330	3.66	635	11-71		40	674	.02	27	43
23-48-0025	7441322	1427381	11-69	1	303	23,610	3.92	926	42	17,920	3.59	643	9-71		36	1,217	.08	56	83
23-48-0026	7379194	1347940	2-69	1	305	21,920	3.11	682	17	14,760	3.83	566	10-71		36	1,054	-.06	28	55
23-48-0027	6871983	1347940	1-67	4	296	18,062	3.47	627	14	14,895	3.75	558	3-72		44	857	-.04	25	46
23-48-0027	7027723	1347940	6-67	2	293	18,060	3.64	658	18	14,750	3.71	547	3-71	H	40	827	-.01	29	49
23-48-0027	7060125	1347940	10-67	3	296	17,060	3.77	643	16	15,423	3.65	563	4-72		42	671	.02	27	42
23-48-0031	6612936	1315612	7-66	3	305	25,927	3.81	988	27	18,520	3.97	735	6-71		42	863	.01	32	52
23-48-0031	7302507	1458744	10-67	2	296	22,100	4.32	955	22	19,305	4.06	784	4-71		40	783	.04	35	52
23-48-0032	7265099	1360676	2-68	2	305	16,535	3.83	634	16	13,945	3.63	506	5-71		39	683	.04	30	45
23-48-0036	6418779	1422697	7-65	4	305	18,515	3.77	698	11	14,448	3.80	549	6-71		35	730	.02	29	46
23-48-0037	6384720	1347940	7-65	4	299	20,267	4.17	846	16	18,417	3.91	721	2-71		44	738	.05	34	50
23-48-0037	6640576	1347940	4-66	3	305	20,446	3.57	730	15	18,163	3.76	683	2-71		42	777	-.03	24	43
23-48-0037	6733544	1347940	10-66	3	305	22,293	4.04	900	14	17,313	3.87	670	6-71		42	1,077	.04	45	70
23-48-0038	7392740	1427381	2-69	2	293	16,270	4.02	654	61	13,030	3.63	473	3-72		40	1,036	.08	50	72
23-48-0038	7392741	1427381	4-69	1	305	18,510	3.91	723	60	12,730	3.68	468	2-72		36	1,185	.06	52	79
23-48-0041	7072087	1347940	2-68	1	305	26,640	3.15	838	26	15,330	3.64	558	8-70		36	1,368	-.06	40	74
23-48-0041	7594981	1427381	10-69	1	305	17,720	3.91	692	30	16,040	3.80	609	1-72		36	905	.05	41	61
23-48-0044	6761062	1347940	9-66	3	305	18,696	3.71	693	17	14,816	3.67	544	6-71		42	922	.00	34	56
23-48-0044	6838955	1347940	12-66	3	291	16,076	3.68	591	24	13,963	3.70	516	8-71		42	709	.00	25	42
23-48-0044	6838957	1347940	2-67	2	305	18,165	3.47	630	26	15,390	3.63	558	3-71		40	779	-.02	25	44
23-48-0044	7128505	1458744	5-67	2	305	21,775	3.55	773	40	15,295	3.68	563	2-72		40	1,117	-.02	37	64
23-48-0044	7164739	1347940	12-67	2	293	17,060	3.36	573	42	13,850	3.73	516	9-71		40	808	-.04	23	43
23-48-0048	5858693	1189870	1-63	6	305	24,165	3.44	831	17	17,457	3.79	662	3-71		44	1,102	-.05	32	60
23-48-0048	6368950	1276654	9-64	2	305	24,410	4.02	982	24	20,170	3.77	761	4-71		40	621	.04	29	43
23-48-0048	6368963	1330987	2-65	5	305	20,230	4.02	813	18	18,580	3.79	705	3-72		44	545	.08	31	42
23-48-0048	6368965	1330987	3-65	5	305	24,384	4.14	1010	19	19,380	3.75	727	2-72		44	988	.12	54	74
23-48-0048	6701421	1330987	4-66	4	305	20,743	4.69	973	21	18,548	3.73	692	6-71		44	604	.20	52	61
23-48-0048	6870295	1458744	3-67	2	305	23,515	3.55	834	22	20,390	3.78	771	5-71		40	828	-.04	24	45
23-48-0048	6979939	1347940	5-67	3	305	22,976	3.90	896	18	19,133	3.85	736	1-72		42	967	.02	38	60
23-48-0048	6979941	1347940	6-67	2	305	23,130	4.20	972	15	18,265	3.89	710	8-70		40	1,020	.06	46	69
23-48-0048	7483096	1458744	10-69	1	305	21,920	4.01	879	17	20,370	3.57	728	10-71		36	639	.04	29	43
23-48-0048	7483097	1427381	11-69	1	305	23,190	3.45	800	18	20,740	3.69	766	11-71		36	997	.01	38	61
23-48-0048	7616781	1427381	1-70	1	305	22,530	3.77	850	22	20,480	3.92	802	2-72		36	965	.03	39	61
23-48-0055	6654777	1347940	8-66	3	305	17,436	3.52	613	5	13,963	3.77	527	1-72		42	865	-.03	27	48
23-48-0067	7389922	1458744	2-69	2	305	20,785	3.46	719	23	17,700	3.73	660	3-72		40	796	-.04	23	43
23-48-0067	7639425	1427381	1-70	1	305	20,150	4.11	829	24	17,980	3.67	660	2-72		36	956	.08	47	68
23-48-0070	6820268	1347940	4-67	3	303	18,376	3.41	626	11	15,053	3.60	542	3-71		42	860	-.03	27	48
23-48-0070	7016295	1458744	3-68	2	305	20,325	3.70	753	12	15,925	3.57	568	9-71		40	912	.01	35	56
23-48-0074	6181597	1347940	8-64	6	305	21,065	3.76	793	15	15,418	3.88	598	11-71		44	1,195	.00	43	71
23-48-0074	6181598	1329588	8-64	5	305	20,526	3.73	766	13	15,696	3.83	601	9-71		44	833	-.01	28	48
23-48-0079	7019660	1347940	1-68	2	304	16,475	3.88	639	27	14,270	3.83	546	8-71		40	710	.01	27	44
23-48-0079	7090331	1458744	1-68	2	305	18,705	3.90	729	29	14,210	3.83	544	9-71		40	904	.01	34	55
23-48-0079	7236754	1347940	11-68	2	295	17,920	4.17	748	14	15,510	3.93	610	3-72		40	743	.03	32	49
23-48-0079	7292688	1458744	12-68	2	304	18,520	4.09	758	20	15,510	3.92	608	2-72		40	767	.02	31	49
23-48-0079	7292689	1347940	12-68	2	305	20,260	4.07	824	23	15,290	3.89	595	12-71		40	1,001	.03	41	64
23-48-0079	7377518	1347940	1-69	1	304	18,740	3.96	743	28	14,820	3.83	567	10-71		36	813	.02	32	51
23-48-0079	7462620	1458744	10-69	1	305	20,870	3.41	712	23	15,410	3.87	597	12-71		36	893	-.05	25	48
23-48-0104	7253121	1347940	7-67	3	305	18,260	4.31	787	9	14,566	3.94	574	3-72		42	898	.06	42	62
23-48-0104	7253122	1347940	7-67	3	305	20,426	3.52	720	15	14,030	3.93	552	12-71		42	1,202	-.04	37	67
23-48-0107	7925073	1427381	10-69	1	305	22,810	3.47	791	12	17,560	3.84	674	1-72		36	1,182	.01	44	72
23-48-0120	6672337	1347940	10-66	4	297	19,802	3.57	707	14	15,187	3.68	559	1-72		44	1,040	-.02	35	60
23-48-0120	7487547	1427381	12-69	1	290	20,640	3.36	693	19	17,450	3.58	624	1-72		36	1,028	.02	40	64
23-48-0121	7199034	1347940	4-68	2	305	18,800	3.57	672	13	15,420	3.68	568	2-72		40	841	-.02	28	48
23-48-0124	6676547	1347940	11-66	2	305	21,050	3.63	765	15	15,190	4.07	618	12-70		40	1,090	-.04	33	60
23-48-0131	6439081	1347940	8-65	5	298	19,444	3.68	715	18	17,010	3.87	658	12-71		44	801	-.02	26	46
23-48-0131	6721709	1390131	8-66	4	305	19,903	4.20	835	19	16,678	3.87	646	12-71		41	670	.11	40	53
23-48-0139	6753608	1347940	10-66	1	305	18,170	3.76	683	18	15,820	3.66	579	1-72		36	704	.01	27	43
23-48-0139	6806477	1347940	12-66	2	305	20,725	3.39	703	25	16,065	3.63	583	11-71		40	977	-.03	30	54
23-48-0139	7370641	1320310	1-69	1	305	19,360	3.46	669	24	14,940	3.76	561	8-71		36	927	-.06	24	48
23-48-0139	7418268	1526128	2-69	1	305	21,050	4.09	861	29	14,990	3.71	556	9-71		31	1,077	-.02	35	61
23-48-0144	5830346	1189870	12-62	5	300	18,696	3.72	696	5	14,392	3.84	553	2-72		44	752	.00	27	45
23-48-6001	6308496	1435014	8-64	5	305	21,940	3.14	690	25	13,920	3.83	533	10-71		35	1,351	-.13	28	64
23-48-6001	7310465	1347940	8-67	2	305	17,895	3.59	643	24	15,185	3.75	570	1-72		40	770	-.02	25	44
23-48-6001	7310466	1347940	9-67	1	305	18,790	3.66	687	25	15,580	3.71	578	10-70		36	766	.00	27	45
23-48-6001	7453263	1347940	7-68	1	305	18,360	3.72	683	23	14,040	3.75	527	9-71		36	837	.01	31	51
23-48-6001	7453264	1347940	10-68	1	305	16,800	4.04	679	21	15,260	3.79	578	1-72		36	639	.03	27	42

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C D	REPT (%)	.......C O W MILK (LB)	I N D E X....... FAT (%)	FAT (LB)	DOL-LARS
23-48-6001	7453265	1347940	11-68	1	305	19,290	3.47	670	21	15,260	3.79	578	1-72		36	825	-.02	26	$ 46
23-48-7044	6869745	1347940	5-67	2	305	19,465	3.26	634	5	16,435	3.64	598	8-71		40	816	-.05	22	43
23-48-7044	7281267	1347940	1-69	2	301	18,650	3.27	609	7	15,360	3.50	538	2-72		40	831	-.03	25	46
23-48-7044	7470704	1347940	6-69	1	305	19,260	3.72	717	9	17,030	3.61	614	7-71		36	704	.01	27	43
23-49-0011	6223634	1347940	12-64	5	302	17,736	4.09	726	15	14,578	3.90	569	9-71		44	863	.04	37	56
23-49-0011	6430263	1347940	11-65	4	304	18,290	3.89	711	11	14,942	3.85	575	7-71		44	880	.01	34	55
23-49-0011	6500948	1347940	2-66	4	300	17,627	4.25	750	11	14,715	3.84	565	6-71		44	823	.07	40	58
23-49-0011	6727520	1347940	10-66	4	305	21,447	4.03	865	17	15,192	3.86	586	1-72		44	1,242	.05	52	80
23-49-0011	6967665	1347940	9-67	3	293	18,266	3.62	662	14	15,696	3.97	623	11-71		42	781	-.03	23	43
23-49-0011	7126664	1347940	3-68	2	305	17,740	3.88	688	16	15,030	3.81	572	8-71		40	769	.01	30	48
23-49-0029	6206907	1439635	12-64	5	305	18,768	3.47	651	47	13,534	3.68	498	2-72		32	816	-.04	24	44
23-49-0029	6715010	1475380	10-66	2	305	23,005	3.39	780	44	16,570	3.69	611	11-71		30	1,038	-.07	27	54
23-49-0029	7042945	1347940	11-67	2	305	17,375	4.16	722	40	14,120	3.68	520	3-71		40	815	.06	38	56
23-49-0066	6520211	1347940	12-65	4	297	17,070	3.30	564	7	14,565	3.48	507	11-71		44	771	-.03	23	42
23-49-0066	6966524	1458744	8-67	2	305	19,090	3.42	653	10	15,005	3.54	531	12-70		40	871	-.02	28	49
23-49-0111	7052496	1347940	4-68	2	305	19,705	3.61	712	6	15,150	3.82	578	3-71		40	957	-.02	32	55
23-49-0114	7415162	1427381	10-69	1	305	19,910	4.45	886	11	16,760	3.74	627	12-71		36	1,020	.11	54	75
23-49-0114	7415163	1427381	10-69	1	305	18,140	3.53	641	9	15,510	3.75	582	9-71		36	972	.03	39	61
23-49-0114	7512182	1458744	1-70	1	305	20,400	3.63	740	13	16,280	3.86	629	11-71		36	800	-.03	25	45
23-49-0117	6875917	1347940	4-67	2	301	15,735	3.60	567	11	12,995	3.63	472	12-70	B	40	751	-.01	26	44
23-49-0124	7341338	1512026	1-69	1	305	17,150	3.81	654	11	12,960	3.65	473	8-71		33	724	-.01	25	42
23-50-0002	6378867	1347940	9-65	2	299	19,005	3.67	698	25	17,070	3.66	624	11-71		40	711	.00	26	43
23-50-0002	6780656	1347940	9-66	1	305	21,150	3.65	771	17	16,610	3.56	592	10-71		36	873	.01	33	54
23-50-0002	6951023	1471956	11-67	2	305	21,165	3.38	716	21	17,145	3.70	634	12-71		39	840	-.05	23	44
23-50-0004	6414069	1347940	11-65	4	305	20,167	3.21	648	17	17,405	3.49	608	5-71		44	838	-.05	22	43
23-50-0004	6562565	1347940	1-66	4	305	20,442	3.36	687	14	16,062	3.72	597	9-71		44	1,021	-.06	28	54
23-50-0004	6562566	1347940	3-66	3	305	18,703	3.67	686	21	16,966	3.52	598	2-72		42	700	.02	28	44
23-50-0004	6562567	1347940	4-66	4	303	21.525	3.66	788	17	16,260	3.70	601	9-71		44	1,133	-.01	40	67
23-50-0004	6582885	1347940	6-66	4	305	19,277	3.54	683	18	16,325	3.68	601	12-71		44	848	-.02	27	48
23-50-0004	6920828	1347940	8-67	3	305	21,493	3.20	687	17	16,976	3.65	620	2-72		42	1,020	-.07	26	52
23-50-0004	6944012	1347940	10-67	2	305	19,965	3.52	703	17	17,365	3.62	628	1-71		40	781	-.01	26	45
23-50-0004	7022882	1347940	3-68	2	305	21,390	3.82	818	20	17,215	3.68	634	1-72		40	940	.02	37	59
23-50-0004	7144123	1347940	5-68	2	289	19,635	3.60	706	19	16,795	3.75	629	9-71		40	800	-.02	26	46
23-50-0004	7144126	1347940	9-68	2	305	19,065	3.83	730	20	16,695	3.76	628	11-71		40	751	.01	29	47
23-50-0004	7144127	1504414	6-68	2	305	22,140	3.53	782	26	17,525	3.71	650	11-71		38	739	.03	31	46
23-50-0005	6191948	1347940	1-65	5	298	19,846	3.61	717	12	16,430	3.68	605	3-72		44	920	-.01	32	54
23-50-0005	6512768	1347940	11-65	4	305	22,017	3.44	757	10	16,100	3.88	624	6-71		44	1,212	-.06	34	65
23-50-0005	6512770	1347940	3-66	4	304	18,925	4.01	759	15	16,520	3.69	610	9-71		44	783	.05	36	53
23-50-0005	6959708	1379208	8-67	3	305	21,487	3.68	790	21	17,507	3.73	653	1-72		42	777	.01	29	47
23-50-0005	7120156	1347940	11-67	3	300	19,316	3.85	744	10	17,326	3.70	641	3-72		42	733	.02	30	47
23-50-0005	7120158	1347940	3-68	2	305	19,525	4.16	812	18	17,415	3.77	657	12-71		40	732	.06	35	51
23-50-0005	7161228	1347940	4-68	2	300	21,750	3.14	683	15	15,700	3.92	616	7-71		40	1,115	-.10	25	54
23-50-0005	7212217	1347940	8-68	2	295	19,130	3.60	688	9	16,935	3.75	635	3-72		40	736	-.02	24	42
23-50-0005	7220823	1347940	10-68	2	298	21,750	3.36	730	12	16,660	3.79	632	3-72		40	1,027	-.06	28	54
23-50-0005	7258621	1347940	11-68	2	302	20,790	3.84	799	18	16,340	3.87	632	9-71		40	959	.00	35	58
23-50-0005	7505816	1347940	11-69	1	291	20,850	3.44	717	12	16,840	3.72	627	3-72		36	835	-.03	26	47
23-50-0006	6391489	1347940	8-65	4	305	20,795	3.41	709	23	16,590	3.70	614	5-71		44	1,006	-.05	29	54
23-50-0006	6485708	1347940	12-65	4	305	21,107	3.34	706	18	17,537	3.70	649	10-71		44	940	-.06	25	49
23-50-0008	6266382	1347940	11-64	6	302	20,916	3.74	782	24	17,828	3.86	688	12-71		44	896	-.01	31	53
23-50-0008	6414946	1347940	11-65	5	305	20,432	3.86	788	21	17,200	3.90	671	3-72		44	906	.00	33	55
23-50-0008	6964722	1347940	8-67	3	305	24,273	3.30	801	24	16,666	3.93	655	12-71		42	1,372	-.09	35	70
23-50-0011	6253870	1199324	10-64	4	305	21,473	3.48	748	11	17,025	3.64	620	10-71		44	1,018	-.04	31	56
23-50-0011	7377312	1427381	4-69	1	305	20,020	3.32	664	18	16,200	3.52	571	6-71		36	1,065	.02	41	66
23-50-0014	6466013	1347940	10-65	4	304	22,312	3.77	842	19	17,292	3.61	625	2-71		44	1,116	.02	44	70
23-50-0014	6678727	1347940	9-66	4	305	23,980	3.29	789	21	17,940	3.61	647	12-71		44	1,250	-.06	36	67
23-50-0014	7152098	1347940	9-68	2	305	17,920	3.90	699	27	16,255	3.73	607	9-71		40	675	.02	28	43
23-50-0014	7341683	1347940	2-69	1	305	20,640	4.00	826	14	17,380	3.61	627	4-71		36	783	.04	34	52
23-50-0016	6915653	1347940	6-66	3	305	22,213	3.21	714	7	16,070	3.55	571	6-71		42	1,197	-.06	34	64
23-50-0016	7005014	1347940	4-66	4	304	19,452	3.35	652	7	15,135	3.54	536	9-71		44	1,002	-.03	31	56
23-50-0016	7034794	1347940	11-66	3	305	23,163	2.84	657	9	15,886	3.55	564	1-72		42	1,325	-.13	28	63
23-50-0016	7034797	1347940	5-67	2	294	20,895	2.88	601	8	15,620	3.58	559	1-71	H	40	1,035	-.10	22	49
23-50-0016	7034799	1347940	2-68	1	305	22,040	3.23	712	12	16,000	3.58	572	11-70		36	980	-.03	30	54
23-50-0022	5848930	1189870	1-62	7	305	19,031	3.88	739	27	14,553	3.66	532	11-71		44	777	.05	35	52
23-50-0022	7537173	1347940	11-69	1	305	20,250	3.61	732	31	13,760	3.63	499	1-72		36	997	.00	36	60
23-50-0027	6951027	1347940	8-67	3	302	16,890	3.73	630	21	14,576	3.67	535	10-71		42	739	.01	28	45
23-50-0034	6158075	1189870	2-64	6	305	20,895	3.48	727	16	16,832	3.63	611	12-71		44	753	-.01	25	43
23-50-0034	6497178	1462564	1-66	3	305	21,680	3.40	738	17	16,303	3.64	594	6-71		32	836	-.05	23	44
23-50-0034	6521876	1244845	9-65	4	305	22,345	3.36	750	21	16,120	3.65	588	1-71		44	988	-.08	24	50
23-50-0034	7248647	1519271	9-68	2	305	23,965	3.19	764	13	16,845	3.60	606	2-72		29	947	-.09	21	46
23-50-0043	6608615	1347940	8-66	4	296	17,927	3.78	678	22	15,455	3.52	544	9-71		44	778	.03	33	51
23-50-0043	6882472	1347940	9-67	1	305	21,780	3.56	776	10	17,390	3.60	626	2-71		36	868	.00	31	52
23-50-0043	6882473	1347940	9-67	2	305	20.570	3.22	663	21	15,995	3.62	579	1-72		40	968	-.06	26	51
23-50-0043	6955840	1347940	12-67	3	293	19,853	3.40	675	23	16,770	3.60	603	11-71		42	853	-.03	26	47
23-50-0043	6955842	1347940	1-68	3	285	20,776	3.27	680	23	16,770	3.60	603	11-71		42	959	-.05	27	51
23-50-0043	6955843	1347940	1-68	3	305	21,950	3.35	736	23	16,870	3.60	608	12-71		42	1,083	-.04	33	60
23-50-0043	7198064	1347940	12-68	2	305	19,770	3.47	687	19	16,655	3.61	601	12-71		40	826	-.02	27	47
23-50-0044	6804502	1347940	1-67	3	299	19,886	4.19	834	20	18,250	3.59	655	4-71		42	703	.09	39	53
23-50-0044	6859301	1347940	6-67	3	305	20,946	3.70	775	14	17,300	3.66	634	4-72		42	924	.00	34	56
23-50-0044	7062548	1347940	3-68	2	305	20,735	3.58	743	25	17,155	3.57	613	1-72		40	879	.00	31	52
23-50-0044	7062549	1347940	4-68	1	305	18,340	3.66	671	36	16,200	3.55	575	8-70		36	691	.01	26	42
23-50-0050	6274685	1347940	2-65	4	295	17,722	3.34	592	16	14,720	3.87	569	4-71		44	835	-.07	20	42
23-50-0050	6643963	1347940	7-66	4	305	17,572	3.69	648	19	15,072	3.85	581	11-71		44	777	-.02	25	44
23-50-0050	6778417	1347940	1-67	2	305	19,915	3.68	733	14	14,315	3.83	548	9-70		40	1,055	-.01	36	61
23-50-0053	6521405	1347940	2-66	4	298	20,117	3.29	661	26	16,285	3.75	610	11-71		44	956	-.07	24	49
23-50-0053	6913735	1347940	6-67	3	305	25,880	3.27	847	22	17,446	3.66	638	1-72		42	1,476	-.07	42	79

TABLE 3. HOLSTEIN USDA-OHIA HIGH RANKING COWS (CONTINUEO).

COW'S LAST HERO COOE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PROOUCTION. RECS	OAYS	MILK (LB)	FAT (%)	FAT (LB)	..HEROMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C O	REPT (%)	.......C O W I N O E X....... MILK (LB)	FAT (%)	FAT (LB)	OOL-LARS
23-50-0056	5867112	1347940	3-63	6	305	17,258	3.61	623	11	15,063	3.58	540	2-71		44	745	.00	27	$ 45
23-50-0056	7103595	1347940	3-68	2	305	21,120	3.65	770	16	14,720	3.70	545	2-72		40	1,140	-.01	40	67
23-50-0056	7151059	1347940	8-68	2	305	19,520	3.46	675	16	14,835	3.73	553	1-72		40	967	-.03	30	54
23-50-0074	6840740	1347940	7-67	3	298	15,753	3.85	607	12	13,703	3.67	503	9-71		42	699	.03	29	45
23-50-0080	7979335	1427381	12-69	1	296	19,550	3.15	615	13	16,600	3.43	570	1-72		36	1,0C3	.01	38	62
23-50-0081	6146919	1347940	10-64	4	297	19,122	3.62	692	16	15,107	3.84	580	12-70		44	964	-.02	31	55
23-50-0081	6579491	1347940	2-66	4	287	17,772	3.64	647	11	14,137	3.85	544	3-71		44	9C6	-.02	29	51
23-50-0081	7057171	1347940	12-67	2	305	18,610	4.00	745	14	14,880	3.87	576	1-71		40	871	.02	35	55
23-50-0081	7561941	1450228	2-70	1	305	23,990	3.25	780	16	14,750	3.80	560	3-72		35	1,289	-.08	34	67
23-50-0082	6475329	1347940	12-64	6	292	19,455	3.38	657	18	17,265	3.54	612	11-71		44	773	-.03	23	42
23-50-0082	6677605	1347940	9-66	4	292	19,115	3.37	645	20	16,720	3.46	579	10-71		44	784	-.02	25	44
23-50-0082	6911483	1347940	6-67	2	305	19,675	3.13	616	19	15,995	3.55	568	9-70		40	877	-.06	23	45
23-50-0082	7381867	1347940	1-69	1	304	22,010	3.21	707	21	17,290	3.70	639	5-71		36	891	-.05	25	47
23-50-0086	7105335	1347940	8-68	1	305	21,040	3.56	749	11	16,120	3.93	634	11-70		36	898	-.03	28	50
23-50-0093	6698258	1347940	11-66	3	301	18,683	3.17	593	8	14,756	3.77	556	3-71		42	927	-.07	22	46
23-50-0099	7336538	1427381	4-69	1	305	20,970	2.83	593	27	15,440	3.34	515	8-71		36	1,187	-.02	40	69
23-50-0099	7541602	1427381	1-69	2	305	19,490	3.75	731	11	16,435	3.48	572	4-72		40	1,052	.07	48	71
23-50-0099	7541603	1427381	2-69	1	305	23,130	2.68	619	25	15,190	3.32	505	7-71		36	1,365	-.05	42	76
23-50-0099	7622027	1427381	6-69	1	305	17,760	3.43	609	19	15,540	3.42	532	5-71		36	941	.04	40	61
23-50-0103	6953635	1309574	10-67	2	305	21,285	3.30	702	12	13,315	3.85	512	4-71		40	1,015	-.02	34	59
23-50-0104	6832781	1347940	2-67	2	243	15,765	3.72	586	12	12,600	3.72	469	7-71		40	790	.00	29	48
23-50-0311	7444377	1458744	2-69	1	305	19,070	3.74	714	7	15,500	3.60	558	4-71		36	753	.01	28	46
23-50-C311	7461851	1427381	8-69	1	305	15,930	4.28	682	10	13,330	3.77	503	7-71		36	953	.08	47	67
23-50-C322	7008751	1347940	2-68	3	288	17,753	3.55	631	11	15,200	3.69	561	1-72		42	774	-.02	25	44
23-50-C322	7405765	1347940	5-69	1	305	18,610	3.43	639	21	14,550	3.66	532	9-71		36	822	-.02	27	47
23-50-0324	6216178	1347940	10-64	5	302	19,868	3.83	760	10	14,230	3.89	554	10-71		44	1,178	.00	43	71
23-50-0324	6216179	1347940	12-64	5	305	16,904	3.92	663	8	14,330	3.84	550	1-72		44	785	.02	31	49
23-50-C324	6834227	1347940	3-67	3	305	17,373	3.71	644	8	14,176	3.93	557	8-71		42	836	-.02	27	47
23-50-0324	7193974	1347940	3-68	2	301	16,980	3.88	659	11	14,705	3.87	569	9-71		40	721	.01	27	44
23-50-0327	6526377	1347940	2-66	4	296	17,857	3.67	656	8	14,520	3.74	543	7-71		44	873	.00	31	52
23-50-0327	7023828	1347940	1-68	2	292	19,400	3.36	652	13	16,320	3.67	599	4-71		40	819	-.04	24	44
23-53-0004	6722959	1347940	10-66	4	301	17,917	3.81	682	15	15,865	3.90	618	10-71		44	731	.00	26	43
23-53-0004	6722960	1347940	12-66	4	305	17,637	4.20	740	14	16,047	3.84	616	2-72		44	677	.06	33	48
23-53-0004	6968121	1379208	9-67	3	302	19,890	3.88	771	21	16,373	3.86	632	12-71		42	710	.02	29	45
23-53-C005	6741158	1469311	10-66	4	305	19,283	3.76	726	25	15,478	3.72	576	12-71		43	665	.05	31	46
23-53-0005	6849589	1347940	5-67	2	305	18,265	4.05	739	16	15,570	3.68	573	4-71		40	773	.05	35	52
23-53-0005	7077912	1347940	4-68	1	305	23,850	4.05	965	35	15,980	3.75	600	11-70		36	1,116	.04	47	72
23-53-0005	7077913	1347940	6-68	2	304	19,990	3.80	760	23	15,555	3.71	577	9-71		40	949	.02	37	59
23-53-C006	6531020	1347940	4-66	4	288	17,382	3.73	648	10	14,932	3.72	555	1-71		44	769	.00	28	46
23-53-0006	7016179	1471956	11-67	2	305	19,900	3.54	705	14	14,905	3.70	551	8-71		39	918	-.02	30	52
23-53-0006	7232376	1347940	9-68	1	305	22,640	3.34	757	13	14,140	3.77	533	10-70		36	1,150	-.04	36	64
23-53-0006	7501195	1427381	1-70	1	305	21,380	3.63	776	8	12,980	3.84	498	4-72		36	1,383	.03	54	86
23-53-0006	7501199	1427381	1-70	1	305	23,880	3.96	945	10	13,410	3.81	511	3-72		36	1,540	.07	66	101
23-53-0008	7164569	1347940	4-67	3	298	18,390	3.50	643	19	12,636	3.75	474	12-71		42	1,112	-.03	36	63
23-53-0013	6837743	1347940	1-67	2	305	22,015	3.79	835	14	15,325	3.84	588	10-70		40	1,176	.00	43	71
23-53-0013	6837746	1347940	4-67	3	292	18,083	4.10	741	24	15,390	3.65	562	4-71		42	792	.06	38	55
23-53-0014	6810070	1347940	12-66	-	305	20,823	3.86	804	14	15,360	3.76	577	7-71		42	1,110	.03	44	70
23-53-0014	7091645	1347940	5-66	2	305	17,950	3.57	640	12	14,725	3.71	547	10-71		40	818	-.02	27	47
23-53-C015	6564398	1347940	8-65	5	301	19,058	3.21	611	21	15,162	3.73	566	8-71		44	966	-.08	23	48
23-53-0015	6589415	1347940	6-66	3	305	21,430	3.67	787	23	15,610	3.77	588	9-70		42	1,154	.00	41	69
23-53-0015	6701921	1470757	11-66	4	300	22,780	3.42	780	28	16,492	3.78	623	11-71		43	990	-.11	19	46
23-53-0017	7289396	1387978	1-69	1	305	15,910	3.76	599	20	12,390	3.53	437	8-71		36	677	.01	26	42
23-53-0021	6813775	1347940	1-66	4	291	17,315	3.89	673	14	14,702	3.76	553	10-71		44	786	.02	32	50
23-53-C021	7013003	1347940	9-67	2	305	17,375	3.52	612	14	14,515	3.75	545	2-71		40	779	-.03	24	43
23-53-0023	5369387	1158050	4-61	9	304	19,871	4.03	801	31	15,319	3.96	607	11-71		44	712	.01	27	44
23-53-0023	6668583	1347940	9-66	4	305	20,002	3.69	739	24	15,335	4.02	617	2-72		44	1,048	-.03	33	59
23-53-0023	6826662	1347940	5-66	4	301	17,750	4.31	765	26	15,852	4.02	638	10-71		44	712	.06	34	49
23-53-C024	6960674	1347940	9-67	3	305	17,836	3.86	689	17	14,936	3.80	568	2-72		42	811	.01	31	50
23-53-0029	6894469	1347940	1-67	3	305	25,076	3.87	970	16	16,476	4.16	686	3-71		42	1,484	-.02	51	87
23-53-0029	7492493	1489981	10-69	1	305	22,800	4.05	924	29	17,750	3.87	687	11-71		35	593	.12	39	50
23-53-0048	6769846	1347940	3-67	2	305	20,740	3.20	663	11	15,965	3.69	589	11-70		40	988	-.06	26	51
23-53-0048	6798897	1347940	7-66	3	305	23,093	3.40	785	13	15,443	3.65	564	5-71		42	1,363	-.04	43	77
23-53-0057	6868345	1347940	5-67	3	303	19,170	3.55	681	24	15,353	3.69	567	11-71		42	921	-.01	31	53
23-53-0057	7231395	1427381	1-69	1	305	19,800	3.12	618	29	15,960	3.58	571	12-71		36	1,065	.00	38	63
23-53-0057	7442002	1427381	11-69	1	305	22,500	2.78	626	29	15,960	3.58	571	12-71		36	1,266	-.05	38	70
23-53-0078	6370655	1347940	9-65	4	305	21,010	3.47	728	19	15,645	3.68	576	3-71		44	1,138	-.03	36	64
23-53-0078	6397136	1347940	9-65	4	305	18,645	3.73	695	19	15,617	3.66	571	3-71		44	849	.01	32	52
23-53-0078	6424399	1347940	12-65	4	305	20,092	3.77	758	20	15,532	3.82	594	2-72		44	1,037	.00	37	62
23-53-C080	7035323	1347940	1-68	2	305	18,720	4.18	782	8	15,910	3.79	603	3-72		40	788	.05	36	53
23-53-0080	7035324	1347940	4-68	2	305	20,140	3.90	786	7	15,320	3.74	573	9-71		40	986	.02	39	62
23-53-0080	7237581	1347940	11-68	2	305	19,030	3.67	699	11	15,440	3.78	584	2-72		40	862	-.01	30	51
23-53-0082	6793724	1206797	7-66	4	305	18,420	3.79	698	7	14,100	3.87	546	12-71		43	736	.00	27	44
23-53-0082	6802928	1347940	9-66	2	305	19,360	3.97	769	10	14,105	3.86	545	10-70		40	1,018	.02	40	64
23-53-0082	7129039	1458744	4-68	2	305	19,485	4.05	789	8	16,500	3.82	631	4-72		40	774	.03	33	51
23-53-C082	7501194	1427381	12-68	1	305	20,310	3.81	773	7	15,050	3.93	592	7-71		36	1,164	.04	48	75
23-53-0086	6329381	1347940	5-65	4	257	18,817	3.69	695	8	15,237	3.85	587	3-71		44	912	-.01	31	53
23-53-0086	6599587	1347940	6-66	3	302	18,206	3.88	706	8	15,480	3.92	607	2-72		42	797	.00	29	48
23-53-C086	6639742	1347940	8-66	4	302	18,395	4.26	784	14	14,077	4.01	564	8-71		44	989	.05	44	66
23-53-0086	7022461	1347940	11-67	2	272	18,405	3.53	649	10	15,430	3.96	611	12-70		40	800	-.05	22	42
23-53-0089	6739065	1347940	1-67	3	295	16,693	3.66	611	6	14,486	3.60	522	10-71		42	726	.01	27	44
23-53-0110	6488164	1347940	10-65	3	286	15,253	4.30	656	9	13,483	3.91	527	3-71		42	664	.05	32	46
23-53-0110	6839568	1330987	4-67	3	303	17,477	3.38	591	13	13,377	3.90	522	10-71		42	749	-.03	23	42
23-53-0110	7004350	1333641	10-67	2	305	20,240	4.21	852	14	13,890	3.92	544	2-71		40	657	.09	37	50
23-53-0121	7089461	1347940	1-68	2	297	15,225	3.73	568	23	12,500	3.82	477	3-71		40	745	-.01	26	44
23-53-0122	6795962	1347940	1-67	3	303	19,370	3.04	588	18	14,396	3.67	529	1-72		42	1,043	-.09	24	51

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C O	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
23-53-0122	7237099	1347940	6-68	1	305	16,840	3.66	616	16	14,320	3.72	532	10-71		36	705	.00	25	$ 42
23-53-0122	7237100	1347940	7-68	2	305	17,075	3.50	598	16	14,230	3.68	524	11-71		40	774	-.02	25	44
23-53-0129	6477969	1347940	2-66	5	274	17,130	3.84	657	6	15,262	3.90	595	3-72		44	705	.00	25	42
23-53-0129	6814865	1347940	6-67	3	305	19,916	3.76	748	11	16,063	3.89	625	3-72		42	933	-.01	32	55
23-53-0147	7371755	1347940	5-69	1	305	16,680	3.97	663	6	12,580	3.90	491	7-71		36	810	.01	31	50
23-53-0148	7212513	1504414	10-68	1	305	16,950	4.27	724	8	13,640	3.72	508	3-72		34	488	.10	33	42
23-53-0150	6718782	1347940	12-66	1	305	15,720	3.48	547	16	12,840	3.61	463	3-72		36	721	-.01	25	42
23-53-7048	6359128	1261743	3-65	2	305	23,400	3.65	855	16	15,215	3.74	569	1-71		40	641	.07	34	47
23-53-7048	6783078	1347940	2-67	1	301	17,060	4.36	743	19	15,150	3.76	569	2-71		36	666	.05	32	46
23-54-0016	5911858	1411224	10-63	5	305	21,584	3.24	700	23	14,236	3.89	554	2-72		43	1,016	-.12	18	46
23-54-0016	6312226	1347940	1-65	5	294	18,076	3.15	569	19	14,210	3.91	556	2-72		44	950	-.10	19	44
23-54-0016	7181749	1347940	6-68	1	305	16,520	4.33	716	25	13,820	3.98	550	7-71		36	715	.03	31	47
23-54-0016	7181754	1471956	8-68	1	305	18,350	3.59	658	21	13,530	3.99	540	6-71		35	784	-.03	23	43
23-54-0016	7299692	1427381	12-68	1	305	18,290	3.65	667	32	13,610	4.04	550	8-71		36	1,110	.02	43	69
23-54-0018	6672613	1347940	9-66	4	305	17,720	3.78	669	14	15,157	3.77	571	1-72		44	786	.00	29	48
23-54-0018	6825804	1347940	3-67	3	305	18,093	3.86	699	14	13,510	3.89	525	8-71		42	988	.01	37	60
23-54-0019	6966143	1347940	9-67	2	305	17,220	4.01	691	14	14,170	3.78	536	9-71		40	795	.03	33	51
23-54-0019	7093993	1347940	5-68	2	305	15,785	4.43	699	16	13,715	3.77	517	9-71		40	690	.07	36	50
23-54-0019	7130473	1347940	6-68	2	292	18,020	3.74	674	13	14,295	3.71	530	6-71		40	864	.01	32	52
23-54-0019	7253996	1347940	11-68	2	289	17,295	3.61	625	21	13,790	3.84	529	1-72		40	837	-.02	27	48
23-54-0021	5518703	1261857	12-61	8	305	18,830	3.56	671	15	15,050	3.80	572	3-72		44	873	.02	35	55
23-54-0021	6538675	1261857	12-65	4	299	16,583	3.77	626	20	14,635	3.77	552	1-72		44	626	.06	31	44
23-54-0021	7398836	1347940	4-69	1	305	18,870	3.37	636	30	14,070	3.72	523	9-71		36	873	-.03	27	49
23-54-0029	5501992	1347940	9-61	7	301	16,974	3.46	588	19	14,340	3.62	519	10-70		44	792	-.02	25	44
23-54-0029	6462665	1347940	9-65	4	305	16,862	3.61	609	18	14,522	3.61	524	11-71		44	750	.00	27	45
23-54-0029	6528004	1347940	11-65	3	305	19,176	3.78	724	17	14,676	3.67	538	2-72		42	992	.01	38	61
23-54-0029	6636921	1347940	8-66	4	282	18,057	3.10	559	21	14,295	3.58	512	9-71		44	923	-.07	22	46
23-54-0029	7172795	1347940	5-68	2	305	22,255	3.17	705	17	15,410	3.52	542	10-71		40	1,192	-.06	34	64
23-54-0029	7344412	1347940	11-68	2	302	18,340	3.52	64	15	15,615	3.73	582	2-72		40	776	-.03	24	43
23-54-0029	7433556	1347940	4-69	1	305	19,300	3.32	640	11	14,060	3.76	529	5-71		36	906	-.04	27	5[illegible]
23-54-0046	5910681	1384112	10-63	7	305	21,904	3.50	767	13	16,894	3.72	629	1-72		36	1,017	-.03	32	57
23-54-0046	6306524	1347940	5-65	2	304	21,045	3.54	744	17	17,670	3.74	661	3-71		40	863	-.03	27	48
23-54-0046	6644837	1347940	9-66	4	305	20,450	3.67	751	17	18,032	3.78	682	1-72		44	803	-.01	27	46
23-54-0046	7359357	1427381	7-69	1	305	20,010	3.66	732	10	17,720	3.79	672	8-71		36	963	.03	39	61
23-54-0046	7615107	1447414	3-70	1	305	20,950	4.01	841	16	18,440	3.83	707	2-72		35	830	-.01	29	49
23-54-0065	6749111	1347940	12-66	2	305	18,070	3.82	691	16	13,445	3.71	499	11-70		40	947	.02	37	59
23-54-0065	6749112	1347940	12-66	3	304	16,360	3.60	589	18	14,106	3.71	524	12-71		42	727	-.01	24	42
23-54-0065	6814073	1347940	12-66	2	305	18,225	3.16	575	17	13,630	3.75	511	6-71		40	946	-.07	24	48
23-54-0065	6901827	1347940	4-67	3	305	18,790	3.44	647	21	13,756	3.72	512	11-71		42	1,042	-.04	32	58
23-54-0065	7196580	1347940	7-68	1	305	16,730	3.95	660	16	14,490	3.75	544	12-71		36	686	.02	28	44
23-54-0067	5953355	1401112	11-63	3	293	19,340	3.51	678	16	15,163	3.61	547	1-72		35	1,013	-.02	33	58
23-54-0067	6402591	1347940	12-63	4	305	17,970	3.67	660	14	15,135	3.59	543	1-72		44	819	.01	31	5[illegible]
23-54-0067	6434877	1347940	12-64	2	300	17,355	3.72	646	13	15,285	3.56	544	2-71		40	706	.02	28	44
23-54-0067	6718333	1347940	10-66	1	270	20,320	4.08	829	19	15,160	3.80	576	12-71		36	908	.03	38	59
23-54-0067	7017827	1347940	10-67	1	294	19,150	3.50	670	19	15,160	3.80	576	12-71		36	821	-.02	26	46
23-54-0067	7038382	1347940	3-68	1	275	16,870	3.46	584	12	13,670	3.74	511	9-71		36	751	-.02	24	42
23-54-0081	7199637	1347940	10-67	2	305	18,300	3.73	682	15	15,415	3.77	581	12-71		40	790	.00	28	47
23-54-0096	6549318	1347940	3-66	4	301	20,635	3.98	822	15	17,197	3.59	618	8-71		44	919	.06	43	63
23-54-0096	6824694	1347940	4-67	2	305	24,770	3.82	945	17	16,860	3.64	613	10-70		40	1,315	.03	52	82
23-54-0096	7374555	1427381	1-69	2	304	18,680	4.38	819	18	16,615	3.72	618	10-71		40	953	.12	53	72
23-54-0096	7472939	1458744	8-69	1	305	22,280	3.74	833	12	17,090	3.67	627	12-71		36	886	.00	32	53
23-54-0096	7559345	1427381	8-69	1	305	21,380	3.48	744	19	16,140	3.71	598	10-71		36	1,171	.02	45	72
23-54-0098	6396002	1347940	6-65	4	305	21,395	3.45	739	13	15,462	3.74	578	10-71		44	1,206	-.04	37	67
23-54-0098	7121406	1469311	5-68	2	305	19,390	3.97	770	20	15,640	3.82	597	9-71		40	584	.07	31	43
23-54-0109	5878925	1347940	3-63	1	305	18,590	3.91	726	16	14,180	3.60	511	6-71		36	845	.03	35	54
23-54-0109	6539503	1347940	11-65	1	305	16,610	3.78	628	16	14,180	3.60	511	6-71		36	698	.01	27	43
23-55-0001	5995024	1296729	11-63	5	305	19,700	3.94	776	23	15,190	3.65	554	1-72		44	765	.00	27	45
23-55-0001	6704567	1347940	7-66	3	272	17,566	3.68	646	20	15,350	3.71	570	2-72		42	737	.00	26	44
23-55-0001	6704568	1347940	9-65	3	305	18,780	3.75	704	17	15,506	3.65	566	2-72		42	860	.01	33	53
23-55-0001	6779391	1469311	8-66	4	305	20,015	3.70	741	19	15,653	3.65	571	11-71		43	737	.04	33	49
23-55-0001	6970706	1347940	1-67	4	284	17,925	3.39	608	19	15,472	3.66	567	2-72		44	776	-.04	22	42
23-55-0001	6970707	1347940	1-67	3	305	17,863	3.42	611	17	15,186	3.65	554	10-71		42	788	-.03	24	44
23-55-0001	7314431	1458744	3-69	1	305	24,120	3.47	838	23	15,320	3.60	552	5-71		36	1,141	-.02	38	66
23-55-0003	6734224	1347940	8-66	3	305	18,476	3.47	642	38	13,823	3.67	507	1-71		42	999	-.03	32	57
23-55-0003	6889008	1347940	5-67	2	305	16,460	3.88	638	25	14,725	3.47	511	8-71		40	667	.04	30	45
23-55-0004	6853464	1347940	1-67	2	305	18,675	3.68	688	12	13,865	3.55	492	12-70		40	970	.01	37	60
23-55-0004	7403620	1347940	10-67	2	305	19,805	3.63	719	13	14,465	3.57	516	7-71		40	1,030	.01	38	62
23-55-0004	7726334	1347940	5-69	1	305	17,680	3.57	631	14	14,690	3.58	526	7-71		36	743	.00	27	45
23-55-0031	5676026	1347940	12-66	4	305	18,065	3.28	592	18	14,657	3.80	557	2-72		44	884	-.07	21	44
23-55-0031	6907541	1347940	10-67	2	305	16,160	3.82	618	20	14,010	3.71	520	7-71		40	702	.01	27	43
23-55-0031	6935389	1347940	7-67	3	305	17,716	3.47	615	16	14,776	3.77	557	1-72		42	813	-.03	24	44
23-55-0031	6998229	1347940	1-68	3	301	17,890	3.24	579	16	14,386	3.73	536	3-72		42	874	-.06	22	45
23-55-0031	7024649	1347940	12-67	2	299	16,550	3.69	611	23	14,340	3.74	536	8-71		40	711	.00	25	42
23-55-0032	5956365	1347940	12-63	5	299	17,458	3.85	673	9	15,518	3.83	595	12-70		44	718	.01	27	44
23-55-0032	6841422	1347940	6-67	3	305	18,320	4.24	777	7	14,866	4.07	605	7-71		42	873	.04	38	58
23-55-0032	6974269	1347940	9-67	3	299	18,883	3.91	739	6	15,133	4.10	620	8-71		42	911	-.01	32	54
23-55-0032	6974270	1347940	12-67	3	292	21,563	3.52	760	6	16,630	3.90	649	2-72		42	1,064	-.05	31	58
23-55-0032	7132565	1347940	8-68	2	305	19,880	3.70	735	6	14,800	4.09	606	8-71		40	1,007	-.03	31	56
23-55-0032	7193176	1347940	12-68	2	303	19,725	3.90	769	6	16,800	3.88	652	12-71		40	809	.01	31	50
23-55-0032	7193177	1347940	12-68	1	305	19,290	3.95	762	6	16,980	3.99	678	2-71		36	710	.00	26	43
23-55-0044	6699073	1347940	1-67	3	293	19,116	3.74	714	5	15,943	3.83	610	5-71		42	853	.00	30	50
23-55-0047	6820203	1347940	6-67	3	300	21,130	3.40	719	31	17,256	3.85	665	12-71		42	949	-.06	25	49
23-55-0047	6919750	1471956	10-67	3	305	21,363	3.83	819	40	18,463	3.77	696	2-72		41	767	.01	29	47
23-55-0047	6985833	1347940	12-67	2	305	23,540	3.45	811	27	18,520	3.77	698	2-71		40	1,039	-.04	31	57
23-55-0047	7124834	1347940	7-68	2	305	21,200	3.94	835	24	17,630	3.91	690	9-71		40	882	.01	34	55

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C O	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
23-55-0047	7124836	1504414	8-68	2	305	20,870	3.91	817	31	17,730	3.91	693	9-71		38	587	.07	31	$ 43
23-55-0047	7218056	1347940	10-68	1	305	20,300	4.01	814	23	18,600	3.79	705	3-71		36	676	.02	28	43
23-55-0047	7465792	1469311	11-69	1	305	25,570	3.62	925	31	17,770	3.82	679	2-72		35	815	.02	33	52
23-55-0065	6508477	1347940	10-65	4	305	20,417	3.63	741	9	15,667	3.88	608	2-71		44	1,062	-.03	34	60
23-55-0065	6804024	1347940	11-66	3	305	19,276	3.55	684	10	16,066	3.82	614	9-71		42	859	-.03	26	47
23-55-0065	7017203	1347940	10-67	3	302	18,896	3.66	692	11	16,006	3.86	618	10-71		42	822	-.02	27	47
23-55-0068	6848747	1347940	3-67	3	305	16,953	3.93	667	5	14,433	3.54	511	1-72		42	761	.05	35	52
23-55-0076	6616315	1347940	4-66	3	304	18,583	3.75	697	11	15,970	3.78	604	12-70		42	789	.00	28	47
23-55-0076	6953771	1347940	4-67	3	303	20,270	3.52	713	7	16,230	3.71	602	10-71		42	957	-.02	31	54
23-55-0076	7212055	1347940	7-68	2	305	20,980	3.78	793	6	16,775	3.64	611	10-71		40	938	.02	37	59
23-55-0076	7732892	1347940	2-69	1	305	20,200	3.50	706	9	16,210	3.79	615	6-71		36	829	-.03	26	46
23-55-0091	7150035	1347940	9-68	1	305	18,180	3.75	682	10	13,990	3.70	517	12-70		36	827	.01	31	50
23-55-0095	6600319	1347940	5-66	4	304	18,080	3.41	616	13	14,672	3.88	570	11-71		44	984	-.06	23	46
23-55-0104	6792241	1347940	7-65	3	305	15,516	4.12	640	8	13,273	3.65	485	3-71		42	716	.05	34	50
23-55-0104	7031705	1347940	8-67	2	305	15,335	3.74	574	5	11,840	3.89	461	11-71		40	816	-.01	28	48
23-55-0105	6790495	1347940	10-66	4	296	18,407	3.59	661	13	15,732	3.81	600	12-71		44	807	-.03	25	45
23-55-0105	7000025	1347940	7-67	3	297	18,480	3.62	669	13	15,516	3.83	595	12-71		42	825	-.02	26	46
23-55-0105	7000026	1347940	7-67	3	302	20,333	3.43	698	10	15,773	3.72	587	3-72		42	1,011	-.04	30	55
23-55-0107	5892807	1237057	9-63	6	305	20,817	3.60	749	18	16,310	3.65	595	11-71		44	866	-.04	25	47
23-55-0108	6559687	1347940	3-66	3	300	19,310	3.33	643	9	16,113	3.76	606	5-71		42	858	-.06	22	44
23-55-0110	6629095	1347940	9-66	3	288	18,000	3.41	613	16	14,066	3.62	509	4-72		42	919	-.03	29	52
23-55-0112	6934532	1347940	1-67	4	305	24,567	3.84	944	11	15,010	3.60	540	12-71		44	1,648	.05	67	105
23-55-0115	6561208	1347940	6-66	2	305	19,790	3.44	681	6	15,505	3.84	595	2-71		40	933	-.04	27	50
23-55-0116	6104173	1347940	2-64	1	305	18,250	3.86	705	9	15,590	3.51	547	4-71		36	725	.03	31	47
23-55-0116	7533289	1347940	8-69	1	253	17,850	3.90	696	9	15,240	3.66	558	1-72		36	719	.02	29	46
23-55-0119	6666413	1347940	6-66	2	305	18,835	3.73	703	6	15,820	3.77	597	1-72		40	808	.00	29	48
23-55-0119	6693281	1347940	6-66	2	291	18,465	3.87	714	6	15,385	3.75	577	1-72		40	810	.02	32	51
23-55-0119	6974515	1347940	12-67	2	288	17,765	3.83	680	6	15,385	3.75	577	1-72		40	739	.01	28	45
23-55-0119	7258976	1347940	6-68	2	305	18,535	4.04	749	5	15,885	3.79	602	12-71		40	771	.03	33	50
23-55-0119	7277253	1347940	12-68	2	288	18,020	3.63	654	7	15,845	3.71	588	12-71		40	723	-.01	25	42
23-55-0119	7279238	1347940	6-68	1	305	18,400	3.38	622	10	13,930	3.66	510	8-71		36	848	-.02	27	48
23-55-0119	7611294	1347940	4-69	1	305	17,400	3.71	646	9	13,600	3.67	499	7-71		36	795	.01	30	49
23-55-7013	7095467	1347940	8-66	1	305	16,900	3.92	663	5	12,980	3.73	484	8-71		36	800	.02	32	50
23-56-0005	6039573	1426352	9-63	6	305	20,117	3.57	718	41	15,267	3.96	605	10-71		36	873	-.05	24	46
23-56-0005	6512130	1426352	1-66	3	305	23,010	3.81	876	22	16,170	4.04	653	4-71		33	1,080	-.01	38	64
23-56-0005	6707200	1347940	10-66	3	305	19,063	3.84	732	17	17,046	3.97	676	4-71		42	733	-.01	25	43
23-56-0005	6918204	1347940	10-67	2	305	22,530	3.13	706	57	17,365	3.77	655	10-71		40	1,042	-.09	24	51
23-56-0005	7280890	1399824	2-69	1	305	20,510	3.85	789	46	16,710	3.82	638	8-71		36	646	.03	28	43
23-56-0008	6320937	1441440	3-65	5	297	20,882	3.70	772	19	15,576	3.90	608	8-71		44	1,044	.00	38	63
23-56-0008	6544405	1441440	12-65	4	304	19,377	3.77	730	20	14,735	3.94	581	7-71		44	926	.01	35	57
23-56-0008	7077218	1441440	4-68	2	305	20,455	3.90	797	18	15,395	3.88	597	7-71		40	893	.04	38	58
23-56-0008	7460245	1347940	11-69	1	305	21,340	3.53	753	23	18,150	3.85	699	11-71		36	784	-.03	24	43
23-56-0012	6755033	1337741	9-66	2	304	21,455	4.26	913	28	16,650	3.77	628	9-71		40	781	.08	41	57
23-56-0012	6755034	1337741	9-66	2	302	23,075	3.42	790	29	17,935	3.72	667	12-71		40	829	-.03	25	46
23-56-0012	6901045	1393031	8-67	3	305	23,283	3.78	879	22	18,103	3.74	677	4-72		42	913	-.06	24	47
23-56-0012	7196076	1441440	11-68	1	305	21,420	3.87	828	29	18,280	3.67	670	11-70		36	656	.05	31	45
23-56-0026	6840765	1399824	3-67	3	305	21,937	3.81	835	10	16,463	3.81	627	8-71		42	967	.03	40	62
23-56-0026	7120230	1399824	7-68	1	305	21,250	4.70	999	20	17,840	3.58	638	1-72		36	625	.14	44	55
23-56-0026	7126375	1399824	2-68	2	305	19,920	3.46	689	9	15,450	3.68	569	6-71		40	789	.00	28	47
23-56-0028	7471393	1337741	8-69	1	305	20,250	3.33	675	41	13,460	3.90	525	9-71		35	792	-.04	23	43
23-56-0036	6114835	1199324	2-64	6	302	23,250	3.66	851	25	18,948	3.79	718	12-71		44	1,044	-.02	34	60
23-56-0043	6013538	1199324	1-64	5	305	16,776	3.62	608	14	13,520	3.68	497	11-71		44	839	-.01	28	48
23-56-0043	6198972	1199324	11-64	5	305	16,474	3.50	577	14	13,700	3.69	506	2-72		44	779	-.03	23	42
23-56-0050	6332677	1441440	2-65	3	305	18,156	3.94	716	29	13,673	3.61	493	3-71		42	864	.07	42	61
23-56-0050	6486247	1441440	6-65	4	305	19,802	3.66	724	26	13,542	3.60	487	5-71		44	1,111	.03	45	71
23-56-0050	6965042	1347940	11-66	2	305	19,710	3.49	687	37	13,350	3.69	492	11-70		40	1,122	-.02	37	64
23-56-0050	7568721	1427615	9-69	1	305	23,560	3.50	825	32	15,930	3.50	557	10-71		36	1,069	-.09	24	52
23-56-0059	6715143	1347940	8-66	3	305	18,950	3.67	695	20	16,910	3.66	619	8-71		42	734	.00	27	44
23-56-0059	7047303	1441440	11-67	2	305	21,640	3.75	812	22	17,410	3.66	637	5-71		40	829	.04	36	55
23-56-0059	7493833	1427615	10-69	1	305	24,680	3.68	907	27	17,440	3.67	640	1-72		36	1,051	-.08	25	52
23-56-0082	7227852	1399824	12-68	1	305	20,220	3.58	724	46	13,430	3.68	494	8-71		36	844	.02	33	53
23-56-0082	7437480	1399824	11-69	1	305	17,720	3.76	667	48	13,360	3.71	495	10-71		36	662	.03	28	43
23-56-0102	6886510	1399824	5-67	3	305	23,920	3.97	949	16	18,150	3.62	657	3-72		42	1,021	.09	50	72
23-56-0102	7493319	1458744	11-69	1	305	22,100	3.89	860	16	18,420	3.73	687	1-72		36	783	.01	30	48
23-56-0121	6879504	1355784	4-67	3	305	23,233	2.94	683	13	17,146	3.55	609	9-71		42	1,208	-.16	18	51
23-56-0121	7495993	1320310	6-69	1	286	20,260	3.36	681	11	16,670	3.68	613	3-72		36	878	-.06	22	45
23-56-0121	7496001	1427615	11-68	1	305	23,960	3.09	741	13	15,660	3.81	596	1-71		36	1,117	-.16	15	46
23-56-0130	6366672	1441440	8-65	4	305	18,132	3.93	712	5	14,330	3.82	547	6-71		44	818	.05	37	55
23-56-0131	7036791	1441440	2-68	1	305	19,400	4.06	787	18	16,730	3.86	646	5-71		36	609	.05	29	42
23-56-0134	5221795	1189870	11-60	7	305	19,057	4.33	825	13	16,603	3.73	619	12-71		44	542	.11	36	46
23-56-0134	6092313	1189870	1-64	5	303	17,678	4.55	805	15	16,106	3.69	595	1-72		44	422	.14	36	42
23-56-0134	6134202	1492073	11-61	4	304	23,105	3.14	726	6	16,543	3.56	589	3-71		43	913	-.10	18	42
23-56-0136	6489962	1406271	9-65	4	305	19,255	3.58	689	19	13,823	3.62	500	10-71		44	1,026	.03	41	65
23-56-0136	6823777	1406271	12-66	3	305	16,597	3.99	663	22	14,030	3.69	518	6-71		42	662	.07	35	49
23-56-0136	6899167	1406271	11-65	4	305	20,003	3.72	744	14	14,975	3.65	547	3-71		44	990	.05	43	65
23-56-0136	7607703	1347940	8-68	1	305	19,230	3.55	683	20	15,770	3.77	595	4-71		36	786	-.02	26	45
23-56-0142	6191736	1244845	3-64	4	305	19,328	3.59	693	8	14,643	3.72	545	11-71		44	780	-.04	22	42
23-56-0145	5122216	1189870	1-60	4	305	24,585	4.17	1024	31	17,925	3.79	679	11-71		44	1,066	.09	53	76
23-56-0145	5442331	1189870	1-61	5	305	23,570	3.42	805	28	17,776	3.82	679	5-71		44	988	-.06	27	52
23-56-0145	5481020	1189870	10-61	7	305	24,727	3.60	890	23	17,286	3.85	665	11-71		44	1,195	-.03	39	68
23-56-0145	5720225	1189870	10-62	7	295	19,720	4.04	796	22	16,521	3.85	636	9-71		44	637	.05	31	45
23-56-0145	5749758	1189870	7-62	7	305	21,344	4.02	859	16	15,173	3.96	601	7-71		44	1,003	.04	43	66
23-56-0145	5777547	1189870	2-63	6	298	21,725	3.51	762	22	16,595	3.87	642	8-71		44	887	-.05	25	47
23-56-0145	5902178	1189870	9-63	7	303	23,086	3.45	796	28	17,397	3.82	665	10-71		44	970	-.05	27	52
23-56-0145	6243631	1189870	12-63	5	304	20,536	3.52	723	23	16,408	3.78	620	9-71		44	756	-.03	23	42

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C O	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
23-56-0145	6547750	1347940	4-66	4	303	19,540	3.59	701	41	16,945	3.78	640	8-71		44	812	-.03	25	$ 45
23-56-0145	7424485	1347940	10-69	1	305	21,240	3.65	776	34	18,600	3.81	709	1-72		36	746	-.01	25	43
23-56-0147	7512155	1427381	9-69	1	305	21,340	3.48	742	16	16,980	3.60	611	10-71		36	1,111	.03	44	70
23-56-0157	6784133	1441440	3-66	4	305	18,215	3.66	667	8	14,732	3.80	560	12-71		44	783	.01	30	48
23-56-0161	6826705	1237057	12-65	4	304	18,640	4.27	795	17	15,955	3.62	578	9-71		44	614	.07	32	45
23-56-0161	7516985	1427381	8-69	1	305	20,180	3.64	735	21	17,400	3.57	622	9-71		36	997	.05	43	65
23-56-0161	7516987	1427381	9-69	1	305	23,430	3.37	790	21	17,400	3.57	622	9-71		36	1,239	.01	47	76
23-56-0164	7192604	1473660	7-68	1	305	24,040	3.49	840	17	15,320	3.74	573	10-70		26	981	-.04	29	54
23-56-0164	7230141	1347940	1-69	1	305	23,360	3.11	727	15	14,590	3.85	561	8-71		36	1,173	-.07	31	61
23-56-0175	6257682	1427052	4-64	6	304	19,466	3.98	774	22	15,186	3.92	595	4-72		44	746	-.01	26	44
23-56-0175	6314805	1441440	2-65	4	295	20,292	3.38	686	21	14,985	3.92	588	5-71		44	1,011	-.05	29	54
23-56-0180	7414321	1417208	4-69	1	305	19,610	3.72	730	28	13,650	3.85	526	8-71		36	849	.01	32	52
23-56-0180	7414322	1417208	7-69	1	305	18,950	3.58	678	28	13,650	3.85	526	8-71		36	800	-.01	28	47
23-56-0186	6103537	1329588	6-64	5	300	18,734	3.73	698	7	13,962	3.74	522	1-71		44	803	-.01	28	47
23-56-0188	7666127	1441440	1-70	1	305	19,910	4.18	832	8	17,080	3.41	582	3-72		36	624	.10	37	49
23-56-0194	7583311	1404202	1-70	1	305	23,310	3.66	853	19	16,840	3.76	633	2-72		36	879	-.06	22	45
23-56-0194	7595258	1427381	12-69	1	305	21,210	3.91	829	24	16,860	3.69	622	1-72		36	1,110	.06	50	75
23-56-0199	6478225	1320310	5-65	3	305	19,980	3.45	689	12	17,303	3.72	644	8-71		42	880	-.07	21	44
23-56-0200	6425327	1427615	10-64	5	284	21,534	3.36	723	12	16,760	3.63	609	3-71		44	1,074	-.13	19	48
23-56-0200	7375008	1427381	8-69	1	305	22,980	3.93	903	15	17,460	3.69	644	12-71		36	1,201	.07	54	81
23-56-0207	7187122	1309574	10-68	1	305	22,000	3.60	791	18	15,660	3.78	592	11-71		36	713	.04	31	47
23-56-0207	7549754	1347940	1-70	1	305	19,800	3.28	650	15	16,450	3.57	588	2-72		36	783	-.03	24	43
23-56-7075	6664437	1441440	11-66	3	301	18,516	3.96	733	13	15,170	3.80	576	1-72		42	751	.05	35	51
23-56-7075	7466274	1427615	9-69	1	305	21,640	3.91	846	16	16,640	3.67	610	12-71		36	878	-.06	22	45
23-56-7123	6694829	1441440	3-66	2	305	16,715	3.72	622	8	11,750	3.83	450	12-71		40	846	.02	34	54
23-57-0020	6407845	1347940	10-65	4	301	18,152	3.42	621	29	14,762	3.66	540	12-70		44	883	-.03	27	49
23-57-0020	6608949	1347940	7-66	4	298	18,800	3.35	629	46	13,950	3.66	511	1-72		44	1,053	-.05	31	57
23-57-0020	6715009	1475380	9-66	3	305	21,913	3.42	750	37	15,226	3.61	549	7-71		33	1,142	-.05	33	62
23-57-0042	6479556	1347940	2-66	2	305	18,320	3.95	723	17	14,650	3.84	563	7-71		40	862	.02	34	54
23-57-0042	6754153	1347940	1-67	2	288	20,445	3.74	765	16	14,975	3.85	577	12-71		40	1,048	-.01	37	62
23-57-0042	6754154	1347940	1-67	2	305	19,020	3.75	713	18	14,885	3.83	570	6-71		40	912	-.01	32	54
23-57-0057	6910378	1347940	9-67	1	294	19,500	3.82	745	5	14,850	3.87	574	11-71		36	868	.00	32	53
23-57-0060	8036076	1347940	12-69	1	299	19,290	3.57	689	18	12,910	3.84	496	2-72		36	983	-.02	33	57
23-57-0063	6695159	1347940	10-66	1	289	21,290	3.57	759	14	16,320	3.65	596	2-72		36	903	.00	32	54
23-57-0063	7610099	010288790	7-66	1	305	22,640	3.53	799	17	16,120	3.64	587	2-72		33	793	.06	37	54
23-57-0081	7359856	1347940	10-67	2	305	21,640	3.64	787	12	15,205	3.80	578	4-72		40	1,149	-.02	39	67
23-57-0081	7465597	1458744	10-68	1	286	19,370	3.28	636	14	14,990	3.75	562	11-71		36	810	-.05	22	43
23-58-0006	6341475	010229512	4-62	5	305	23,804	3.35	797	10	15,392	3.68	567	7-71		44	1,197	.00	43	72
23-58-0009	6940767	1406271	9-67	3	305	22,653	3.33	755	14	16,893	4.00	675	3-72		42	1,062	-.06	29	56
23-58-0022	6185940	1085978	8-64	2	305	20,510	4.01	822	35	15,250	3.91	597	7-71		40	978	.01	37	6[illegible]
23-58-0022	6569114	1347940	12-65	1	305	18,130	4.20	762	22	16,450	3.91	643	1-71		36	659	.03	29	44
23-58-0022	6978362	1471956	12-67	2	305	20,480	3.72	761	34	15,860	3.84	609	9-71		39	889	-.01	30	52
23-58-0022	7455784	1347940	10-69	1	235	20,130	3.58	720	37	16,200	3.85	624	11-71	B	36	825	-.02	27	47
23-58-0040	6466555	1347940	8-65	2	305	21,275	3.69	784	19	15,415	3.82	589	12-71		40	1,092	-.01	38	64
23-58-0040	7352038	1347940	1-69	2	297	21,415	3.23	691	7	16,140	3.92	632	3-72		40	1,040	-.09	24	51
23-58-0045	5453892	010233629	2-55	5	305	23,246	4.26	991	13	14,364	3.89	559	1-71		40	1,234	.10	60	87
23-58-0045	7700715	1427381	11-69	1	305	20,020	3.54	709	18	18,140	3.64	661	1-72		36	935	.03	38	59
23-58-0053	5955768	1271019	7-63	6	305	22,343	3.69	825	12	17,135	3.69	633	3-71		44	774	-.01	27	46
23-58-0053	6663580	1347940	8-66	3	294	21,236	3.54	752	13	18,680	3.68	687	1-71		42	814	-.02	26	46
23-58-0053	6663582	1347940	10-66	2	304	20,580	3.54	729	22	17,040	3.77	643	11-70		40	873	-.03	27	49
23-58-0053	6922852	1347940	6-67	3	305	20,350	3.74	762	22	16,993	3.78	642	9-71		42	887	.00	32	53
23-58-0053	6922854	1347940	9-67	2	305	21,315	3.82	814	14	17,040	3.71	633	9-71		40	948	.02	37	59
23-58-0053	6922855	1347940	12-67	1	305	18,720	3.38	632	11	15,360	3.65	560	7-71		36	776	-.03	24	43
23-58-0053	7124843	1347940	8-68	1	305	22,720	3.53	801	25	18,050	3.77	680	10-70		36	893	-.02	29	51
23-58-0053	7247639	1347940	1-69	1	305	24,800	3.90	967	11	15,360	3.65	560	7-71		36	1,229	.03	49	77
23-58-0053	7278462	1347940	1-69	2	291	20,955	3.63	761	13	18,410	3.70	682	1-72		40	786	-.01	27	46
23-58-0053	7460686	1347940	9-69	1	305	19,910	3.81	759	20	17,930	3.75	673	11-71		36	692	.01	26	42
23-58-0053	7460689	1347940	11-69	1	305	21,440	3.74	802	18	18,080	3.74	677	12-71		36	796	.00	29	48
23-58-0055	6726744	1347940	4-66	4	299	20,225	3.63	734	22	15,165	3.73	565	9-71		44	1,094	-.01	38	64
23-58-0074	6641621	1418291	8-66	3	305	19,320	4.45	859	14	16,297	3.76	612	6-71		29	458	.14	37	44
23-58-0074	7022483	1458744	12-67	2	305	20,050	3.94	790	15	16,850	3.83	645	3-71		40	800	.01	31	50
23-58-0074	7022484	1458744	3-68	2	305	20,145	3.63	731	16	16,545	3.78	626	1-72		40	837	-.02	27	48
23-58-0082	7096711	1347940	8-67	3	305	15,503	3.72	576	8	12,843	3.77	484	7-71		42	759	.00	27	45
23-58-0097	7051220	1347940	7-67	2	305	17,755	4.17	741	10	15,960	3.82	609	3-71		40	685	.05	32	47
23-58-0100	5818047	1085978	1-63	6	305	18,000	3.70	666	7	15,717	3.63	571	3-71		44	717	-.01	25	42
23-58-0100	6879354	1348259	12-65	4	305	21,895	3.71	812	12	16,438	3.63	597	10-71		44	950	.02	38	60
23-58-0100	7326705	1377691	11-68	2	286	22,760	3.48	792	17	17,120	3.69	632	1-72		40	839	-.04	24	45
23-58-0101	6787487	1347940	3-67	3	297	17,833	3.79	676	26	14,916	3.79	566	9-71		42	812	.00	30	49
23-58-0106	6911565	1347940	11-67	2	237	18,465	4.21	778	13	16,835	3.82	643	12-70	B	40	677	.05	32	47
23-58-0143	6758189	1347940	10-66	3	298	16,493	3.48	574	18	11,810	3.66	432	1-72		42	980	-.02	32	56
23-58-0186	6442385	1347940	9-65	4	305	24,945	3.52	877	14	16,475	3.54	583	1-71		44	1,531	-.01	53	9[illegible]
23-58-0186	6442386	1347940	9-65	5	287	18,776	3.59	674	14	16,706	3.56	594	2-72	B	44	750	.01	28	46
23-58-0186	7020369	1347940	8-67	2	305	19,420	3.67	712	22	16,070	3.67	589	11-70		40	844	.00	31	51
23-58-0186	7254089	1347940	10-68	2	298	20,815	3.68	765	20	17,895	3.63	649	11-71		40	819	.00	30	49
23-58-0186	7341448	1347940	10-68	2	303	21,325	3.69	787	22	17,805	3.68	656	10-71		40	879	.00	32	53
23-58-0186	7497985	1347940	10-69	1	305	20,860	3.80	792	29	18,630	3.69	687	9-71		36	716	.01	28	45
23-58-0188	7813138	1347940	3-69	1	305	18,020	3.58	646	8	14,310	3.61	516	12-71		36	794	.00	29	48
23-58-0190	6462124	1347940	2-66	3	301	17,733	3.80	673	9	15,316	3.75	574	2-71		42	759	.01	29	47
23-58-0201	6692350	1261857	10-66	2	298	24,045	3.80	914	49	17,305	3.58	620	10-71		40	1,118	.09	54	78
23-58-0201	6916978	1261857	9-67	2	305	20,025	3.69	738	57	17,115	3.62	620	8-71		40	728	.06	36	52
23-58-0201	6916979	1261857	12-67	2	305	23,645	3.68	869	56	17,150	3.61	619	9-71		40	1,092	.06	49	73
23-58-0201	6916985	1489516	9-67	2	305	25,245	3.08	777	40	17,470	3.62	633	11-71		35	1,081	-.10	23	52
23-58-0204	6766995	1414618	11-66	4	305	20,635	3.50	723	22	15,247	3.74	570	1-72		43	812	-.03	24	44
23-58-0204	7149405	1495135	7-68	1	305	21,270	3.47	739	23	15,270	3.61	552	3-71		32	854	.03	36	55
23-58-0218	7137555	1347940	3-67	2	305	21,350	3.25	693	16	14,075	3.79	534	3-71		40	1,222	-.06	34	65

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	REGISTRATION COW NUMBER	REGISTRATION SIRE NUMBER	COW BORN MO-YR	COW'S AVERAGE PRODUCTION RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	HERDMATE AVERAGES NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	TCO	REPT (%)	COW INDEX MILK (LB)	FAT (%)	FAT (LB)	DOLLARS
23-58-0218	7137556	1347940	1-68	2	290	15,575	3.64	567	25	13,215	3.69	487	6-71		40	715	.01	25	$ 42
23-58-0218	7184168	1347940	12-66	2	305	15,545	3.89	605	21	13,575	3.65	495	8-71		40	679	.02	28	44
23-58-0283	6684075	1347940	7-66	4	305	16,827	3.64	613	10	13,390	3.53	473	9-71		44	872	.01	33	53
23-58-0283	6684076	1347940	8-66	3	302	16,830	3.66	616	7	13,913	3.54	493	1-71		42	801	.01	31	50
23-58-0297	7057582	1301322	11-67	2	305	18,915	3.84	727	20	13,850	3.68	510	9-71		29	729	.04	32	48
23-58-0306	6165834	1085978	10-64	5	305	21,518	3.90	840	30	15,864	3.70	587	1-72		44	1,154	.02	45	72
23-58-0306	6477158	1348259	10-65	5	300	17,984	4.02	723	33	15,640	3.68	576	10-71		44	566	.06	30	42
23-58-0306	6977547	1348259	10-67	2	304	21,650	3.48	754	25	16,640	3.71	617	8-71		40	797	-.02	26	45
23-58-0306	7193616	1348259	10-68	1	305	23,160	3.35	776	25	17,190	3.60	619	8-71		36	748	-.02	24	42
23-58-0310	6860368	1347940	10-66	4	294	19,167	3.45	661	8	16,240	3.85	625	10-71		44	844	-.06	22	44
23-58-0343	5337503	1343080	3-61	6	305	24,092	3.27	788	16	15,095	3.69	557	3-71		34	1,477	-.10	38	76
23-58-0343	5427978	1245520	10-61	7	298	19,116	3.71	709	20	14,963	3.72	556	5-71		44	774	-.03	24	43
23-58-0343	6788147	1278644	2-67	3	305	23,153	3.61	836	16	17,343	3.75	650	3-72		42	1,030	-.06	28	54
23-58-0359	5416825	1163043	3-61	5	305	20,228	3.88	784	21	15,382	3.84	591	4-71		44	598	.10	37	48
23-58-0359	6749084	1347940	1-67	3	305	18,990	3.59	681	16	16,796	3.72	625	11-71		42	751	-.02	24	42
23-58-0359	6790348	1469311	9-66	4	296	21,758	3.79	824	25	17,618	3.79	668	10-71		43	733	.04	33	49
23-58-0359	7143079	1347940	8-67	3	210	18,996	3.83	728	28	17,226	3.73	643	10-71	8	42	707	.02	28	44
23-58-0359	7143081	1347940	8-67	3	298	19,903	3.76	749	25	17,143	3.72	637	8-71		42	820	.01	31	50
23-58-0359	7143083	1347940	1-68	2	305	22,535	3.39	764	23	17,275	3.70	639	8-71		40	1,050	-.04	31	57
23-58-0359	7176403	1347940	8-68	2	305	23,585	3.54	836	23	17,275	3.70	639	8-71		40	1,157	-.02	39	67
23-58-0359	7176404	1347940	8-68	1	305	19,940	3.96	789	19	17,810	3.90	695	1-71		36	702	.01	27	43
23-58-0359	7176406	1347940	8-68	2	305	22,630	3.69	836	15	17,620	3.88	684	4-72		40	1,029	-.02	34	59
23-58-0383	6082504	1379812	11-62	4	303	20,418	3.97	810	10	18,208	3.61	657	7-71		33	665	.09	37	5.
23-58-0385	6701439	1331709	8-65	5	305	27,698	3.54	980	17	18,978	3.56	676	2-72		44	1,401	-.03	45	79
23-58-0385	6726749	1259069	9-66	4	305	22,450	3.26	732	24	16,545	3.64	603	3-72		44	887	-.09	18	42
23-58-0385	6989742	1239242	9-67	2	305	25,665	3.57	915	20	19,535	3.59	701	1-71		40	834	-.01	29	49
23-58-0385	7565037	1447414	2-70	1	298	23,960	3.49	837	27	20,210	3.47	702	2-72		35	937	-.03	29	52
23-58-0422	7054154	1347940	2-68	3	297	17,160	3.43	588	10	11,943	3.67	438	3-72		42	1,043	-.03	33	59
23-58-0451	6937996	1347940	10-67	3	287	19,300	3.48	671	9	15,843	3.74	593	10-71		42	885	-.03	27	49
23-58-0451	7220077	1347940	4-68	2	305	18,510	4.08	756	11	15,465	3.73	577	12-71		40	807	.05	36	54
23-58-0451	7220078	1347940	5-68	1	305	18,530	3.64	674	7	15,180	3.80	577	9-70		36	774	-.01	26	45
23-58-0456	6489369	1461091	12-65	4	305	23,878	3.35	799	8	16,548	3.62	599	9-71		30	1,147	-.06	32	61
23-58-0460	7043039	1347940	3-68	2	305	22,480	3.45	775	14	19,280	3.52	678	4-71		40	862	-.01	29	50
23-58-0460	7275240	1347940	3-67	3	304	21,323	3.76	801	18	16,923	3.66	620	4-72		42	1,006	.02	39	62
23-58-0460	7584436	010275932	3-68	2	305	26,970	3.51	947	16	19,670	3.46	680	10-71		40	918	.02	36	57
23-58-0464	6662023	1347940	10-66	2	286	19,120	3.88	742	5	16,470	3.61	595	4-71		40	777	.03	33	51
23-58-0464	7280001	1347940	12-66	1	285	20,430	3.91	799	7	18,490	3.63	671	2-71		36	693	.03	29	45
23-58-0471	6680003	1347940	10-65	3	305	19,726	3.66	722	17	15,390	3.76	579	3-71		42	981	-.01	34	58
23-58-0471	7378806	010275932	12-67	2	296	21,670	3.53	765	21	16,240	3.58	581	7-71	B	40	693	.01	27	43
23-58-0472	6698113	1347940	4-66	1	305	19,050	3.82	728	25	16,590	3.67	609	2-72		36	718	.01	28	45
23-58-0472	7220430	1441440	10-68	2	212	20,105	3.47	698	19	16,825	3.69	621	12-71	B	40	727	.00	26	43
23-58-0488	6478432	1347940	9-65	2	305	15,670	3.92	615	10	13,105	3.92	514	9-71		40	735	.01	28	45
23-58-0488	6765897	1347940	9-66	3	299	16,240	4.13	670	11	14,013	3.85	540	12-71		42	722	.04	32	48
23-58-0488	6871805	1347940	4-67	2	292	15,535	3.74	581	8	12,820	3.88	497	11-71		40	747	-.01	26	44
23-58-0493	6805593	1347940	2-67	2	305	20,650	3.39	701	18	15,850	3.51	557	3-71		40	989	-.02	32	56
23-58-0511	6969083	1471956	10-67	2	305	21,365	3.52	751	22	16,080	3.66	588	1-72		39	960	-.02	31	55
23-58-0511	7213186	1347940	6-67	2	194	18,455	3.55	655	17	16,135	3.49	563	11-70		40	740	.00	27	45
23-58-0516	5830817	1085978	4-63	5	305	17,640	3.63	640	123	13,218	3.64	481	5-71		44	961	-.02	32	55
23-58-0516	6764890	1458744	3-67	3	303	16,586	3.79	629	85	13,310	3.70	493	10-71		42	799	.01	30	49
23-58-0516	7287264	1347940	8-67	2	305	19,235	3.82	735	41	15,255	3.80	579	3-72		40	900	.01	34	55
23-58-0516	7360593	1419528	6-69	1	305	18,870	3.73	703	82	13,800	3.70	510	9-71		36	637	.03	28	42
23-58-0516	7378020	010291281	3-66	2	305	17,520	3.50	613	96	13,455	3.68	495	2-71		34	758	-.01	26	44
23-58-0529	6693091	1347940	8-66	3	290	16,350	3.60	589	8	14,113	3.72	525	11-71		42	725	-.01	24	42
23-58-0557	6866562	1347940	8-67	1	305	19,650	3.84	755	15	17,760	3.53	627	12-71		36	684	.03	29	45
23-58-0558	6666644	1347940	12-66	2	305	17,580	4.32	760	12	15,900	3.81	605	3-71		40	673	.06	34	48
23-58-0558	6747750	1347940	9-66	3	301	18,910	4.13	781	17	15,803	3.80	601	3-71		42	844	.05	38	57
23-58-6004	7043506	1347940	7-67	2	300	17,930	3.61	648	9	15,405	3.47	534	4-71		40	754	.01	29	47
23-58-6010	6767099	1347940	1-67	2	305	18,505	3.99	739	14	12,710	4.00	508	12-70		40	1,058	.02	41	66
23-59-0003	6852617	1347940	1-67	2	304	17,495	3.85	674	13	15,640	3.82	598	3-72		40	688	.01	26	42
23-59-0012	7029981	1347940	11-67	2	305	17,720	3.62	641	5	13,140	3.87	509	7-71		40	939	-.02	31	54
23-59-0016	6695473	1347940	12-66	4	305	18,815	3.64	685	28	16,035	3.57	572	3-72		44	823	.01	31	50
23-59-0016	6989601	1347940	9-67	3	305	21,153	3.63	767	29	15,620	3.57	558	2-72		42	1,121	.00	41	68
23-59-0016	7198752	1427381	10-68	1	95	18,210	4.41	803	51	16,350	3.68	601	9-70	B	36	920	.10	49	68
23-59-0032	6081605	1329588	12-63	6	302	18,397	3.99	734	21	14,928	3.65	545	6-71		44	648	.04	30	44
23-59-0032	7419502	1427381	8-69	1	305	19,580	3.23	632	10	14,350	3.80	545	11-71		36	1,157	-.01	40	68
23-59-0036	7037065	1347940	10-67	2	305	18,275	3.51	642	12	15,395	3.78	582	3-71		40	790	-.03	24	44
23-59-0036	7380053	1347940	8-68	1	305	18,050	4.39	792	12	14,490	3.76	545	11-70		36	784	.06	37	54
23-59-0038	6754125	010275932	7-63	4	298	21,938	4.19	919	9	13,743	3.75	516	7-71		44	1,120	.11	57	81
23-59-0038	7383797	1458744	11-67	1	277	17,540	3.47	608	25	13,010	3.86	502	8-70	B	36	806	-.03	24	44
23-59-0051	6792380	1347940	3-67	3	295	16,410	3.24	532	40	12,986	3.64	473	12-71		42	848	-.05	23	45
23-59-0051	6945456	1347940	8-67	2	305	18,205	3.47	632	38	13,575	3.65	496	3-71		40	949	-.02	31	54
23-59-0051	7056075	1347940	3-68	2	305	17,825	3.51	625	32	12,755	3.64	464	3-72		40	985	-.02	33	57
23-59-0051	7216887	1347940	8-68	2	305	19,725	3.56	702	42	12,805	3.65	468	2-72		40	1,173	-.01	41	69
23-59-0055	7180270	1347940	9-67	2	305	20,110	3.47	698	29	16,040	3.71	595	10-70		40	917	-.03	29	52
23-59-0059	7055101	1471956	4-68	2	305	16,790	3.98	669	19	13,715	3.94	540	9-71		39	707	.01	27	44
23-59-0059	7228298	1347940	11-68	2	305	18,680	4.30	804	26	14,435	3.78	546	1-72		40	919	.07	44	64
23-59-0062	6747219	1347940	11-66	3	305	18,913	3.70	699	21	15,953	3.79	605	5-71		42	829	-.01	29	49
23-59-0062	6747225	1469311	9-66	4	293	18,740	4.29	804	28	16,378	3.74	613	10-71		43	497	.12	36	45
23-59-0065	6931427	1347940	1-67	3	302	16,990	3.98	677	7	14,513	4.01	582	8-71		42	757	.00	28	46
23-59-0067	6976327	1347940	12-67	2	278	17,970	4.00	718	18	15,060	4.01	604	1-71		40	789	.01	30	49
23-59-0069	6937625	1347940	7-67	2	305	18,065	3.96	716	12	16,315	3.80	620	8-70		40	684	.02	28	44
23-59-0069	6937626	1347940	7-67	2	305	19,455	3.59	699	16	15,195	3.85	585	10-70		40	928	-.02	30	53
23-59-0069	7016832	1347940	9-67	2	305	19,160	3.55	680	14	15,995	3.84	614	10-70		40	825	-.03	25	45
23-59-0069	7016833	1347940	10-67	2	283	21,065	3.52	741	15	15,005	3.86	579	10-70		40	1,109	-.04	34	61
23-59-0069	7016834	1347940	10-67	2	300	17,595	3.96	696	13	16,090	3.80	612	8-70		40	657	.02	27	42

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C O	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
23-59-0069	7016835	1347940	11-67	2	305	20,770	3.51	730	16	15,195	3.92	595	12-70		40	1,061	-.04	32	$ 58
23-59-0069	7084271	1347940	4-68	1	291	17,880	3.96	708	16	14,930	3.76	561	10-70		36	742	.02	30	47
23-59-0070	7266660	1347940	11-68	2	305	20,555	4.17	858	26	13,410	4.01	538	1-72		40	1,203	.04	50	77
23-59-0098	6963126	1347940	8-67	2	305	20,500	3.75	769	18	16,225	3.80	617	11-71		40	940	.00	34	56
23-59-0098	7689183	1347940	12-68	1	305	18,580	3.45	641	19	14,690	4.20	617	4-71		36	810	-.05	21	42
23-59-0103	6931751	1379208	6-67	3	294	18,037	3.78	682	13	15,013	3.58	538	8-71		42	637	.03	28	42
23-59-0142	6800764	1206797	9-66	2	305	22,315	3.67	818	24	15,905	3.85	613	1-72		40	883	-.02	29	51
23-59-0142	7100767	1347940	2-68	2	305	18,240	3.84	700	19	15,305	3.91	599	9-71		40	794	.00	28	47
23-59-0142	7437298	1347940	12-68	1	298	18,760	3.73	699	26	14,370	3.88	558	10-71		36	845	.00	30	50
23-59-0142	7527914	1347940	8-69	1	305	18,770	3.40	638	28	14,660	3.85	564	11-71		36	826	-.03	25	46
23-59-0146	6718928	1386406	1-67	3	305	20,006	3.81	762	20	16,420	3.85	632	3-71		42	671	.02	27	42
23-59-0146	6829720	1477772	3-67	2	305	20,350	4.01	817	18	15,280	3.93	600	10-71		29	647	.04	30	44
23-59-0146	7302982	1520463	1-69	2	305	20,645	3.86	797	12	15,665	3.70	580	3-72		25	646	.04	29	43
23-59-0151	6372239	1347940	9-65	4	272	16,390	3.76	617	13	13,365	3.91	523	3-71		44	821	-.01	28	48
23-59-0151	6705022	1386406	7-66	4	303	18,775	4.01	753	20	14,292	3.81	545	11-71		44	782	.05	36	53
23-59-0164	6686030	1347940	3-66	3	305	17,536	3.98	698	6	14,820	3.82	566	1-71		42	788	.03	33	51
23-59-0164	6686033	1347940	7-66	3	301	17,733	3.86	685	8	14,070	3.77	531	10-71		42	888	.02	35	56
23-59-0164	6686037	1347940	9-66	4	304	17,920	3.93	704	9	15,245	3.80	579	2-72		44	801	.03	33	51
23-59-0164	6686038	1347940	11-66	2	231	19,505	3.59	701	5	15,055	3.89	585	12-70	B	40	946	-.03	30	53
23-59-0164	6920553	1347940	1-67	2	292	17,295	3.52	609	9	12,695	3.72	472	11-71		40	937	-.02	31	54
23-59-0164	6920560	1347940	4-67	3	283	17,806	3.85	685	9	14,936	3.86	577	1-72		42	807	.01	30	49
23-59-0164	7207884	1347940	6-68	1	305	19,480	3.42	667	7	14,870	3.93	585	1-71		36	865	-.04	25	47
23-59-0164	7207886	1347940	8-68	1	305	17,910	3.70	662	14	14,940	3.50	523	7-71		36	744	.01	29	46
23-59-0164	7454581	1347940	1-69	1	305	19,410	3.83	743	9	12,770	3.77	482	11-71		36	1,001	.01	38	61
23-59-0164	7565797	1347940	3-69	1	264	18,120	3.49	633	12	13,260	3.91	519	12-71		36	872	-.03	27	49
23-59-0173	6401374	1347940	11-65	3	305	20,973	3.46	726	10	15,130	3.79	573	6-71		42	1,151	-.04	35	64
23-59-0173	6663462	1347940	9-66	3	235	20,160	4.01	808	10	16,690	3.80	634	3-72	B	42	896	.04	38	56
23-59-0173	6663463	1347940	9-66	2	305	22,365	3.67	820	5	15,880	3.77	598	6-71		40	1,161	-.01	41	69
23-59-0173	7171490	1347940	9-68	2	293	19,265	3.51	677	9	16,500	3.88	641	9-71	B	40	789	-.04	22	42
23-59-0193	6558334	1347940	3-66	1	304	21,190	3.71	787	23	14,820	3.70	549	11-71		36	996	.01	37	61
23-59-0193	6731455	1347940	10-66	2	305	17,840	3.96	707	14	14,590	3.70	540	3-71		40	819	.04	35	54
23-59-0193	6794914	1347940	1-67	2	305	18,780	3.35	630	16	14,705	3.69	543	3-71		40	904	-.04	26	49
23-59-0193	6794915	1347940	1-67	2	305	16,720	3.76	629	11	14,150	3.61	511	8-70		40	746	.01	29	46
23-59-0193	7425092	1427381	11-68	1	305	22,590	3.88	877	21	14,580	3.66	533	10-71		36	1,365	.07	60	91
23-59-0208	7299078	1510704	5-67	2	305	18,775	3.69	692	23	12,660	3.85	488	5-71		25	752	-.01	26	44
23-59-0208	7912018	1427381	9-69	1	305	17,600	3.70	652	16	12,970	3.90	506	11-71		36	1,102	.03	45	7[illegible]
23-59-0226	6766563	1417208	4-66	3	305	17,367	3.76	653	24	14,090	3.78	533	9-71		42	747	.01	29	46
23-59-0226	6766564	1417208	8-66	4	303	18,403	3.52	647	20	14,258	3.85	549	10-71		44	875	-.03	27	49
23-59-0264	6628168	1347940	8-66	3	295	17,086	4.14	707	12	15,426	3.80	586	9-70		42	674	.05	32	47
23-59-0264	6628169	1347940	9-66	3	305	18,923	3.78	715	12	15,220	3.78	575	11-70		42	906	.01	34	55
23-59-0264	6961915	1347940	1-67	3	298	19,360	3.26	632	15	15,806	3.70	585	11-71		42	896	-.06	23	46
23-59-0265	6499209	1347940	12-65	3	278	18,203	3.65	665	22	16,176	3.67	593	12-71		42	724	.00	26	43
23-59-0265	6951311	1347940	11-67	2	291	19,545	3.78	738	19	17,060	3.70	632	4-71		40	767	.01	29	47
23-59-0266	6655754	1347940	11-65	2	299	16,295	3.46	563	16	12,395	3.86	478	5-71		40	863	-.03	26	47
23-59-0266	7104871	1347940	8-67	2	304	15,750	4.08	642	10	11,345	3.65	414	11-71		40	903	.04	39	59
23-59-0267	6477119	1347940	10-65	4	305	16,440	3.79	623	17	13,895	3.65	507	3-71		44	768	.02	31	49
23-59-0267	6810322	1347940	10-66	3	295	16,120	3.83	618	14	14,296	3.74	534	12-71		42	679	.02	27	43
23-59-0267	6810323	1347940	12-66	3	290	16,723	3.56	595	15	13,860	3.66	507	3-71		42	794	-.01	27	46
23-59-0267	6810324	1347940	1-67	3	305	17,616	3.83	674	16	14,313	3.65	523	11-71		42	850	.02	34	54
23-59-0272	5666607	1425608	7-62	6	305	23,683	3.46	820	18	15,582	3.46	539	1-71		34	1,296	-.01	45	76
23-59-0272	7566845	1427381	11-69	1	305	20,170	3.58	722	27	16,040	3.70	594	10-71		36	1,087	.03	44	69
23-59-0299	7038134	1494991	12-67	2	305	19,075	3.76	717	14	13,530	3.72	503	9-71		25	691	.01	27	43
23-59-0299	7191915	1347940	10-68	1	305	17,790	3.27	581	11	13,830	3.72	515	5-71		36	809	-.03	24	44
23-59-0300	6940537	1347940	10-67	2	305	20,305	3.68	748	9	16,515	3.63	599	4-71		40	893	.01	33	54
23-59-0319	6966118	1347940	8-67	2	305	19,165	3.73	715	34	14,740	3.75	553	11-71		40	940	.00	34	56
23-59-0332	6764773	1347940	10-66	3	302	17,020	4.12	702	18	14,583	3.81	556	11-70		42	753	.05	34	51
23-59-0332	6821986	1347940	3-67	2	305	17,645	3.71	655	14	14,910	3.83	571	11-70		40	770	-.01	26	45
23-59-0345	6798643	1347940	8-66	4	304	22,007	3.49	768	22	15,800	3.72	588	11-71		44	1,244	-.04	39	70
23-59-0345	6798645	1347940	9-66	4	289	18,525	3.35	621	27	15,865	3.71	588	12-71		44	806	-.05	21	42
23-59-0345	7242992	1347940	8-67	3	299	20,123	3.61	727	26	15,726	3.74	588	12-71		42	992	-.01	34	58
23-59-0347	6986657	1347940	12-66	3	305	17,163	3.94	677	12	15,620	3.73	582	4-71		42	662	.03	28	43
23-59-0361	6844424	1347940	3-67	1	305	25,780	4.20	1084	15	16,350	3.83	627	10-71		36	1,235	.06	54	82
23-59-0361	7366204	1347940	8-67	2	305	21,760	3.34	726	8	18,275	3.74	683	11-71		40	880	-.06	23	46
23-59-0381	6898200	1330981	1-67	3	305	21,710	3.41	740	10	14,787	3.66	541	4-71		42	795	-.02	25	45
23-59-0400	5987988	1330987	9-63	4	301	20,135	3.55	715	22	15,793	3.70	585	2-72		44	835	.01	32	52
23-59-0400	6385802	1417208	9-67	2	305	22,185	3.46	768	22	16,240	3.62	588	7-71		40	1,008	-.02	34	58
23-59-0401	6505984	1441440	3-65	4	303	17,440	3.45	602	14	13,865	3.65	506	6-71		44	784	.00	28	47
23-59-0402	7054887	010250735	11-60	4	305	19,688	4.04	795	17	14,175	3.77	535	11-71		43	598	.12	39	50
23-59-0404	6493838	1239242	2-66	2	305	25,010	3.33	833	10	17,680	3.54	626	6-71		40	937	-.04	27	51
23-59-0420	6292355	010275932	1-65	3	305	22,633	3.46	782	7	15,593	3.66	570	7-71		42	942	-.01	32	55
23-59-0420	6624058	1468880	8-66	4	288	22,332	3.53	788	33	17,990	3.64	654	12-71		34	806	-.03	25	45
23-59-0420	6831718	1458744	2-67	3	287	20,373	3.22	655	20	16,720	3.56	596	11-71		42	882	-.06	23	46
23-59-0430	6959978	1347940	11-67	1	250	19,150	3.62	694	53	14,540	3.75	545	12-70		36	863	-.01	30	51
23-59-0434	6970364	1347940	1-68	1	299	17,570	4.08	716	10	15,400	3.95	609	12-71		36	687	.01	27	43
23-59-0434	7047701	1347940	4-68	1	305	18,600	4.05	753	11	14,520	4.03	585	3-72		36	823	.02	32	51
23-60-0003	6297941	1347940	1-65	5	305	21,172	3.55	751	12	15,546	3.82	594	3-71		44	1,194	-.03	38	67
23-60-0003	6526876	1347940	12-65	3	305	18,276	3.91	714	11	16,043	3.84	616	2-72		42	747	.01	29	46
23-60-0003	6778118	1347940	9-66	4	302	18,190	3.98	724	13	16,267	3.90	635	2-72		44	720	.02	29	46
23-60-0003	6811335	1347940	10-66	3	305	19,486	3.81	742	13	15,866	3.74	593	9-71		42	904	.02	35	56
23-60-0003	6943160	1347940	11-67	2	305	19,040	3.56	677	7	16,050	3.72	597	5-71		40	808	-.02	26	46
23-60-0003	7094969	1347940	1-68	2	305	18,895	4.21	795	11	15,720	3.85	606	12-71		40	823	.05	37	55
23-60-0003	7102369	1347940	5-68	2	305	19,450	3.28	638	7	15,205	3.74	568	6-71		40	926	-.05	25	49
23-60-0003	7502813	1427381	11-69	1	305	18,380	3.76	692	27	16,580	3.80	630	10-71		36	918	.04	39	60
23-60-0006	6686484	1347940	12-66	3	305	20,120	3.53	710	9	15,303	3.67	561	3-71		42	1,035	-.02	34	59
23-60-0010	6148135	1347940	6-64	5	299	18,764	3.52	660	22	14,538	3.82	556	9-71		44	1,000	-.04	30	55

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C D	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
23-60-0010	6272611	1347940	3-65	4	305	19,892	3.57	710	21	14,360	3.85	553	7-71		44	1,143	-.03	36	$ 64
23-60-0010	6536789	1347940	3-66	3	288	20,493	3.23	661	16	15,223	3.76	573	1-71		42	1,086	-.07	28	56
23-60-0010	6848462	1347940	3-67	3	305	21,663	3.48	754	18	14,610	3.89	569	1-72		42	1,284	-.05	39	71
23-60-0010	6848463	1347940	5-67	2	305	19,195	3.56	683	19	14,355	3.91	561	12-70		40	978	-.03	30	54
23-60-0010	7512172	1347940	5-68	2	298	17,600	4.03	709	19	14,255	3.88	553	12-71		40	825	.02	33	52
23-60-0019	6305956	1347940	3-64	5	293	15,748	3.77	593	23	13,734	3.66	502	9-70		44	705	.02	28	44
23-60-0019	6305975	1347940	1-65	5	298	16,430	3.29	540	23	12,796	3.70	473	6-71		44	902	-.06	24	47
23-60-0019	6310936	1347940	5-65	4	305	17,912	3.69	661	28	13,237	3.67	486	10-71		44	1,023	.01	38	62
23-60-0031	6257920	1347940	10-64	5	305	18,716	3.17	594	11	15,728	3.54	557	8-71		44	856	-.06	22	44
23-60-0031	6734661	1347940	9-66	2	305	20,450	3.67	750	11	16,365	3.57	585	5-71		40	922	.01	35	57
23-60-0031	6769756	1347940	9-66	2	299	19,605	3.37	660	15	16,060	3.64	584	12-71		40	864	-.03	26	47
23-60-0031	6957679	1347940	11-67	3	304	18,986	3.42	650	15	16,176	3.59	581	1-72		42	814	-.03	25	45
23-60-0031	7446575	1347940	9-69	1	305	20,010	3.16	632	18	15,570	3.62	563	9-71		36	858	-.05	24	46
23-60-0032	6820855	1347940	3-67	3	305	18,276	3.56	651	11	14,363	3.66	526	12-71		42	920	-.01	31	53
23-60-0032	6823795	1347940	4-67	3	305	17,903	3.46	620	10	14,186	3.62	514	12-71		42	896	-.02	29	51
23-60-0032	6826912	1347940	7-66	3	305	18,240	3.70	675	6	14,480	3.76	545	8-71		42	904	.00	32	54
23-60-0035	7448431	1347940	7-69	1	305	17,930	3.70	663	11	14,800	3.71	549	8-71		36	754	.01	28	46
23-60-0036	5991347	1347940	10-63	6	298	17,571	3.86	679	11	15,521	3.63	563	4-71		44	732	.04	32	48
23-60-0036	6942293	1347940	8-67	2	298	21,635	2.78	602	20	15,290	3.55	543	10-71		40	1,140	-.11	24	54
23-60-0036	6942294	1347940	10-67	3	305	17,480	3.62	633	18	15,490	3.58	555	12-71		42	712	.00	26	43
23-60-0036	7242625	1347940	10-68	2	301	19,485	3.38	658	17	15,140	3.55	537	9-71		40	936	-.02	30	53
23-60-0036	7438323	1347940	8-69	1	305	20,570	3.35	689	27	15,540	3.56	553	10-71		36	902	-.02	29	51
23-60-0043	6687443	1347940	11-66	3	295	17,496	3.61	631	6	15,543	3.45	537	5-71		42	709	.02	28	44
23-60-0043	7099784	1347940	11-67	2	305	17,375	3.92	681	9	15,685	3.58	562	12-70		40	672	.04	30	45
23-60-0069	7350410	1427381	2-69	2	305	23,495	3.66	860	8	16,465	3.74	615	2-72		40	1,456	.03	58	92
23-60-0077	7330186	1347940	5-69	1	305	19,060	3.34	637	6	15,370	3.79	582	4-71		36	800	-.04	23	43
23-60-0080	6220733	1347940	9-64	4	305	17,895	3.80	680	18	14,285	3.72	531	9-70		44	904	.02	35	56
23-60-0080	6952680	1347940	8-67	2	305	18,560	3.59	666	24	14,450	3.79	548	1-71		40	905	-.02	30	52
23-60-0080	7219252	1347940	8-68	2	305	18,455	3.36	620	25	14,425	3.81	550	11-71		40	897	-.05	25	48
23-60-0080	7332505	1347940	1-69	1	305	19,560	3.54	693	20	14,770	3.81	562	1-71		36	878	-.02	29	50
23-60-0107	7297551	1427381	9-68	2	302	19,845	3.70	734	12	16,815	3.58	602	9-71		40	1,053	.05	46	70
23-60-0107	7480165	1427381	1-70	1	305	19,670	4.15	817	5	16,780	3.71	623	3-72		36	1,000	.08	49	70
23-60-0107	7594937	1427381	1-70	1	305	20,740	3.49	724	8	17,500	3.59	628	1-72		36	1,032	.03	42	66
23-60-0109	6780749	1347940	2-67	3	305	19,403	3.56	691	13	16,523	3.69	610	12-71		42	826	-.02	27	47
23-60-0109	7314122	1427381	3-69	1	293	18,420	3.63	669	12	16,570	3.72	616	11-71		36	921	.04	39	60
23-60-0124	7325728	1347940	1-68	2	301	16,735	3.52	589	28	14,545	3.56	518	12-71		40	711	.00	25	42
23-60-0135	6475867	1347940	7-65	5	304	21,696	3.44	746	10	16,516	3.88	640	12-71		44	1,149	-.06	32	61
23-60-0135	6810795	1347940	12-66	4	304	17,462	3.58	626	10	14,595	3.92	572	11-71		44	816	-.04	24	44
23-60-0150	6241749	1347940	10-64	6	304	18,360	3.82	702	13	15,588	3.72	580	2-72		44	826	.02	33	52
23-60-0150	6941540	1347940	11-67	3	305	21,983	3.26	717	10	15,816	3.65	577	4-72		42	1,196	-.06	34	64
23-60-0150	6972973	1480855	10-67	2	305	19,660	3.62	711	12	15,660	3.83	600	8-71		30	771	-.03	24	43
23-60-0150	7158971	1347940	9-68	2	305	18,815	3.69	694	15	14,940	3.67	548	7-71		40	886	.00	32	53
23-60-0150	7230142	1347940	2-69	2	295	18,885	3.57	675	15	15,885	3.70	587	1-72		40	807	-.01	27	47
23-61-0017	7421735	1427381	8-69	1	305	21,790	3.35	730	18	16,590	3.79	629	12-71		36	1,171	.00	42	70
23-61-0039	5899379	1409864	9-63	6	305	19,268	3.82	737	21	15,177	3.66	556	1-72		35	763	.05	35	52
23-61-0039	6118384	1409864	8-64	6	305	19,265	4.27	822	23	14,930	3.66	546	2-72		35	796	.13	49	64
23-62-0010	7109292	1441440	5-68	2	305	18,445	3.74	689	32	14,980	3.81	570	9-71		40	727	.02	29	46
23-62-0010	7529102	1406271	1-70	1	305	18,760	3.91	733	13	14,650	3.95	579	4-72		36	716	.04	32	48
23-62-0017	5984159	1427615	11-63	4	300	19,475	3.82	743	64	14,278	3.75	535	1-71		44	1,074	-.06	29	56
23-62-0017	6750752	1441440	11-66	4	294	18,662	3.46	646	61	14,427	3.67	530	12-71		44	872	-.01	30	51
23-62-0017	7076809	1441440	5-68	1	281	17,550	3.57	626	55	13,890	3.61	501	12-71		36	662	.02	27	42
23-62-0062	6934021	1377954	7-67	3	303	18,920	4.04	765	21	16,530	3.64	601	11-71		42	641	.07	34	47
23-62-0072	6793608	1320310	2-67	3	305	16,813	3.93	660	11	12,873	3.92	504	12-71		42	974	-.02	32	56
23-62-0075	7257408	1427381	10-68	1	305	17,770	3.52	625	29	14,570	3.69	538	11-71		36	1,007	.02	40	63
23-62-0075	7257409	1427381	12-68	1	305	19,180	3.30	633	27	13,970	3.67	513	9-71		36	1,152	.01	43	70
23-62-0075	7627564	1427381	9-69	1	305	17,710	3.78	670	19	14,750	3.66	540	2-72		36	990	.05	44	66
23-62-0078	7060243	1410984	3-68	2	305	23,460	3.78	886	14	14,805	3.67	544	12-71		40	747	.05	35	51
23-62-0078	7972568	1427381	1-70	1	305	20,300	3.89	789	18	14,310	3.75	537	12-71		36	1,213	.06	53	80
23-62-0082	7980686	1441440	7-69	1	305	19,250	4.11	791	16	13,430	3.83	514	2-72		36	819	.06	38	56
23-62-0092	6157222	1423862	3-64	6	305	20,298	3.61	733	62	15,205	3.52	535	10-71		36	1,031	-.01	35	60
23-62-0092	6198074	1423862	9-64	4	305	19,330	3.49	674	61	14,747	3.49	515	10-70		35	925	-.03	28	51
23-62-0092	6198076	1423862	9-64	5	305	21,190	2.94	623	65	15,562	3.45	537	8-71		36	1,117	-.14	19	49
23-62-0092	6368760	1423862	2-65	4	305	23,147	2.88	667	55	15,210	3.43	522	2-71		35	1,413	-.16	26	64
23-62-0092	6441957	1423862	4-65	5	304	20,626	3.05	630	57	15,182	3.49	530	12-71		36	1,083	-.12	20	49
23-62-0092	6524983	1423862	12-65	4	301	19,510	3.58	698	60	15,352	3.47	532	12-71		35	873	-.02	29	50
23-62-0092	7236928	1300014	2-68	2	305	22,870	3.32	760	79	15,635	3.43	536	5-71		40	1,005	-.09	23	49
23-62-0094	6580075	1308101	4-66	4	305	18,577	3.91	727	17	15,757	3.61	569	11-71		44	910	.03	37	58
23-62-0095	6648885	1441440	9-66	3	305	17,693	3.75	664	6	15,103	3.61	545	4-71		42	663	.04	30	45
23-62-0109	6686035	1347940	8-66	2	233	18,315	3.66	670	5	13,775	3.75	516	1-72		40	942	-.01	33	56
23-62-0109	6711151	1347940	12-66	3	303	16,286	3.62	590	7	14,210	3.58	509	7-71		42	707	.00	26	43
23-62-0109	6920555	1347940	2-67	2	297	21,070	4.02	847	11	13,865	3.66	507	10-71		40	1,213	.05	52	79
23-63-0013	6519928	1441440	8-65	4	297	19,135	3.63	695	23	16,190	3.76	608	2-71		44	735	.01	28	45
23-63-0023	7037203	1458744	9-67	3	305	23,383	3.50	819	23	17,070	3.70	631	3-72		42	1,192	-.03	38	67
23-63-0024	6535867	1441440	12-64	5	302	18,810	3.71	697	36	13,766	3.94	542	12-71		44	986	.00	36	59
23-63-0024	7277468	1320310	1-69	1	305	19,520	3.63	709	42	13,480	3.77	508	7-71		36	1,036	-.04	31	57
23-63-0024	7545195	1320310	2-69	1	305	18,550	3.28	609	35	13,940	3.86	538	11-71		36	933	-.08	21	45
23-63-0024	7545198	1320310	6-69	1	305	17,050	3.81	649	32	14,220	3.85	548	12-71		36	803	-.03	24	44
23-63-0065	7096861	1441440	12-67	2	305	17,450	4.07	710	30	14,730	3.67	541	9-71		40	649	.07	34	48
23-63-0114	7303273	1357743	10-68	1	305	23,060	4.38	1010	6	13,830	3.75	519	2-72		36	798	.05	37	55
23-63-0121	7276042	1458744	2-69	1	305	20,500	3.12	640	21	14,580	3.65	532	10-71		36	921	-.06	24	48
23-63-0152	6070274	1300014	1-64	6	294	18,073	3.73	675	15	12,647	3.80	481	7-71		44	917	-.05	25	48
23-63-0193	6682274	1476512	9-66	1	305	22,420	3.63	813	34	13,940	3.72	519	10-71		24	869	.00	32	53
23-63-0193	6969692	1476512	9-66	2	305	18,380	3.72	684	22	13,380	3.75	502	10-71		29	691	.01	27	43
23-64-0003	6822067	1347940	12-66	3	298	18,120	3.55	643	45	14,696	3.77	554	10-71		42	868	-.03	27	48
23-64-0003	6870258	1347940	4-67	3	294	16,806	3.56	598	39	14,120	3.77	533	10-71		42	777	-.03	24	43

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C D	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
23-64-0003	6907532	1347940	9-67	3	298	17,426	3.78	659	46	14,370	3.73	536	12-71		42	822	.01	31	$ 50
23-64-0003	7244029	1347940	11-68	1	305	19,020	3.87	737	53	14,080	3.77	531	12-71		36	884	.01	34	55
23-64-0003	7291032	1347940	1-69	1	305	15,890	4.14	658	31	14,250	3.86	550	4-71		36	639	.03	27	42
23-64-0003	7349531	1347940	5-69	1	305	17,090	3.81	651	29	14,440	3.78	546	2-72		36	716	.01	27	44
23-64-0003	7473696	1347940	9-69	1	302	18,000	3.52	634	53	14,080	3.77	531	12-71		36	808	-.01	27	47
23-64-0004	6443205	1330987	1-66	4	298	19,055	3.79	723	20	16,678	3.68	613	3-72		44	604	.05	30	43
23-64-0004	6639815	1347940	5-66	4	296	18,727	3.69	691	26	16,280	3.78	616	11-71		44	785	-.01	27	46
23-64-0004	6959436	1347940	11-67	2	296	18,975	3.92	743	20	16,380	3.69	605	6-71		40	771	.03	32	50
23-64-0004	7079293	1347940	3-68	2	301	22,365	3.57	798	26	16,800	3.80	638	10-71		40	1,077	-.02	35	61
23-64-0004	7079294	1347940	4-68	2	305	19,700	3.62	713	22	17,045	3.80	647	12-71		40	784	-.02	25	44
23-64-0004	7120534	1347940	6-68	2	302	19,850	3.73	741	31	17,010	3.79	645	10-71		40	802	-.01	28	47
23-64-0004	7120535	1347940	7-68	2	305	19,795	3.82	756	22	16,940	3.78	641	2-72		40	803	.01	30	49
23-64-0004	7256547	1347940	8-68	2	305	18,545	3.90	723	17	16,900	3.75	633	3-72		40	680	.02	28	44
23-64-0011	6455787	1347940	10-65	5	294	18,092	3.78	684	17	15,984	3.74	598	11-71		44	746	.01	29	46
23-64-0011	6687475	1347940	11-66	4	303	19,575	3.79	741	13	15,837	3.78	598	2-72		44	939	.01	35	57
23-64-0011	7286018	1347940	9-68	1	305	18,760	3.45	648	17	15,760	3.67	579	10-70		36	752	-.02	24	42
23-64-0045	5813874	1237057	9-62	7	304	20,966	3.51	735	21	15,424	3.74	577	4-71		44	988	-.06	26	51
23-64-0045	6076308	1237057	3-64	6	291	20,830	3.50	729	22	15,365	3.76	578	3-72		44	977	-.07	25	50
23-64-0045	6707759	1449195	10-66	4	297	20,610	3.24	668	30	14,500	3.79	549	9-71		30	931	-.10	19	44
23-64-0045	7447950	1458744	7-69	1	305	19,050	3.64	693	39	13,980	3.80	531	9-71		36	853	-.02	28	49
23-64-0045	7447958	1427381	12-69	1	305	20,840	3.56	741	30	13,940	3.77	526	2-72		36	1,278	.02	50	80
23-64-0050	6894266	1347940	8-67	2	305	20,855	4.32	901	31	15,950	3.92	626	9-71		40	1,001	.06	46	68
23-64-0050	7211201	1347940	8-68	1	305	20,620	3.91	806	29	16,260	3.92	637	8-71		36	857	.01	32	52
23-64-0058	7196995	1273756	8-67	3	299	18,037	3.66	660	13	13,653	3.69	504	7-71		42	801	.03	33	51
23-64-0083	6554064	1347940	10-65	5	302	18,548	3.83	710	14	16,098	3.80	612	9-71		44	791	.01	30	49
23-64-0083	6678272	1347940	1-66	5	294	17,614	4.01	707	10	15,454	3.84	593	12-71		44	746	.03	32	49
23-64-0083	6779250	1347940	9-66	4	303	18,575	3.90	725	13	15,502	3.83	594	2-72		44	853	.01	33	53
23-64-0083	7212681	1347940	11-67	3	294	18,293	4.07	745	13	15,726	3.76	591	12-71		42	781	.05	35	52
23-64-0098	6932433	1347940	10-67	2	305	20,590	3.87	796	8	14,425	4.14	597	6-71		40	1,113	-.01	38	65
23-64-0098	6958941	1347940	11-67	2	305	16,785	4.40	738	8	14,385	4.18	602	5-71		40	731	.04	32	48
23-64-0098	6958942	1347940	12-67	2	305	16,435	4.13	678	8	14,480	4.04	585	1-71		40	687	.01	27	43
23-64-0109	6480919	1347940	9-65	4	305	15,750	4.13	650	22	14,142	3.94	557	9-71		44	655	.03	28	43
23-64-0109	6520010	1347940	10-65	4	303	18,655	3.67	685	24	14,177	3.94	559	5-71		44	1,010	-.03	32	57
23-64-0109	6631132	1347940	5-66	3	305	18,410	3.64	671	22	14,226	3.96	563	9-71		42	950	-.03	30	53
23-64-0109	7104041	1347940	2-68	2	301	17,060	3.75	640	26	14,430	3.90	563	1-71		40	755	-.01	26	44
23-64-0109	7313332	1347940	7-68	2	291	18,595	4.03	749	25	14,690	3.82	561	12-71		40	887	.03	37	57
23-64-0109	7313334	1347940	10-68	2	302	16,785	3.82	641	25	14,285	3.87	553	8-71		40	740	.00	27	45
23-64-0109	7429274	1347940	4-69	1	305	16,610	4.56	758	26	14,580	3.85	561	8-71		36	671	.07	34	48
23-64-0116	6954186	1347940	11-67	3	299	19,586	4.01	785	22	16,656	3.90	649	12-71		42	834	.03	34	53
23-64-0188	6041734	1245520	10-63	5	305	20,050	3.55	712	15	14,580	3.77	549	10-71		44	939	-.06	25	49
23-64-0188	7042595	1347940	5-67	3	305	16,783	3.75	629	25	14,430	3.65	527	3-72		42	742	.01	29	46
23-64-0188	7042596	1347940	8-67	3	281	18,526	3.28	607	27	14,383	3.68	530	1-72	B	42	947	-.05	26	50
23-64-0188	7311925	1427381	8-68	1	305	16,740	3.74	626	31	13,780	3.72	512	6-71		36	983	.04	42	64
23-64-0189	7261107	1427381	8-68	1	305	18,730	3.66	685	8	14,440	3.66	528	8-71		36	1,087	.04	46	71
23-64-0199	6592712	1417208	12-64	5	301	19,534	3.80	743	8	14,556	3.71	540	1-72		44	1,004	.03	41	64
23-64-0199	6596145	1347940	3-66	3	305	21,220	3.26	692	8	15,583	3.68	574	6-71		42	1,133	-.06	31	60
23-64-0200	5825425	1365166	4-63	5	305	19,580	3.89	762	9	15,290	3.67	561	4-71		35	586	.07	32	44
23-64-0200	6775949	1428368	11-66	2	293	21,720	3.74	813	20	15,780	3.70	584	11-71		29	773	.01	29	47
23-64-0203	6970515	1347940	1-68	2	305	16,180	3.84	621	22	12,115	3.58	434	2-72		40	877	.02	35	55
23-64-0222	6544444	1347940	10-65	4	305	25,487	3.64	927	19	15,695	3.89	610	3-72		44	1,685	-.02	57	98
23-64-0222	6982712	1347940	9-67	3	299	20,450	3.85	787	17	16,866	3.95	667	11-71		42	911	-.01	32	54
23-64-0222	6982715	1347940	9-67	3	297	18,643	4.04	754	13	16,920	3.97	671	8-71		42	698	.02	28	44
23-64-0222	6994563	1347940	11-67	3	302	21,066	3.84	808	17	17,183	3.93	676	10-71		42	949	.00	34	57
23-64-0222	7271459	1347940	10-68	1	305	21,650	3.75	812	17	18,210	3.90	711	9-70		36	803	-.01	28	47
23-64-0222	7271460	1347940	11-68	2	305	22,095	3.53	779	15	16,825	3.89	655	2-72		40	1,047	-.04	31	57
23-64-0222	7373496	1347940	10-68	2	298	21,355	3.59	767	17	17,380	3.94	684	10-71		40	921	-.04	27	50
23-64-0222	7373497	1347940	4-69	1	305	24,000	3.75	899	9	16,360	4.00	654	8-71		36	1,102	-.01	38	65
23-64-0222	7373498	1347940	4-69	1	305	21,090	3.67	774	7	15,960	3.93	628	7-71		36	912	-.01	31	53
23-64-0226	6639818	1347940	11-66	3	305	16,236	4.02	653	15	14,033	3.81	535	1-72		42	720	.03	31	47
23-64-0226	6825250	1347940	3-67	1	305	18,430	3.65	673	19	14,110	3.70	522	3-71		36	838	.00	30	50
23-64-0226	6884080	1347940	8-67	1	305	18,710	3.54	663	19	14,110	3.70	522	3-71		36	859	-.01	29	50
23-64-0226	6884086	1347940	8-67	2	300	17,630	3.81	672	13	14,120	3.80	537	6-71		40	841	.00	31	51
23-64-0226	6971976	1347940	12-67	2	293	17,970	3.70	664	13	14,255	3.73	531	5-71		40	863	.00	31	52
23-64-0226	6971977	1347940	1-68	2	305	17,605	4.11	723	16	14,650	3.75	549	4-71		40	790	.04	35	53
23-64-0226	7718058	1347940	9-68	1	120	21,940	2.75	604	19	14,110	3.70	522	3-71	B	36	1,099	-.09	25	54
23-64-0226	7774145	1347940	2-69	1	305	18,440	3.82	705	10	13,660	3.70	506	5-71		36	869	.02	34	54
23-64-0238	7246175	1347940	1-69	1	290	19,460	3.58	697	13	15,540	3.64	565	9-71		36	819	.00	29	49
23-64-0238	7510644	1347940	4-68	2	305	18,960	3.40	644	9	15,955	3.66	584	8-71		40	808	-.03	24	44
23-64-0247	6773622	1347940	1-67	4	298	18,210	3.25	591	9	14,532	3.68	535	3-72		44	916	-.07	23	47
23-64-0247	6869252	1347940	8-67	1	305	19,040	3.85	733	8	15,670	3.78	593	8-70		36	779	.01	30	48
23-64-0247	7096815	1347940	9-66	4	300	18,882	3.36	635	12	15,015	3.76	564	9-71		44	945	-.05	26	50
23-64-0248	6434374	1278644	11-65	3	305	18,976	3.79	720	14	14,236	3.58	509	8-71		42	872	-.02	29	50
23-64-0248	6776004	1347940	8-66	2	305	16,630	3.54	589	20	14,535	3.55	516	7-71		40	701	.00	25	42
23-64-0248	6943514	1347940	11-67	2	305	16,440	3.75	617	19	13,465	3.65	492	7-71		40	780	.01	30	48
23-64-0248	7226375	1347940	8-68	2	305	16,760	4.06	681	14	14,170	3.68	522	11-71		40	748	.04	33	50
23-64-0255	6869254	1347940	8-67	2	276	17,435	3.46	604	19	15,115	3.61	545	12-71		40	730	-.02	24	42
23-64-0268	6714007	1347940	11-66	3	305	19,180	3.85	739	11	16,630	3.64	606	4-71		42	790	.03	33	51
23-64-0268	6751406	1347940	7-66	3	296	19,616	3.70	725	16	16,513	3.71	612	6-71		42	852	.00	31	51
23-64-0268	7039355	1347940	8-67	3	222	19,066	3.44	656	20	16,236	3.66	594	1-72		42	817	-.03	25	45
23-64-0268	7404308	1427381	9-69	1	305	20,670	3.21	664	32	17,000	3.63	617	9-71		36	1,060	.00	38	63
23-64-0275	6572874	1347940	9-65	3	305	19,610	3.99	783	7	16,736	3.61	604	11-70		42	828	.05	38	56
23-64-0298	7204523	1347940	6-68	2	295	17,180	4.00	688	11	14,980	3.77	565	7-71		40	717	.03	30	46
23-64-0299	7171142	1493643	9-68	2	305	24,060	3.75	903	9	19,760	3.76	742	1-72		38	878	-.05	24	46
23-64-0299	7171143	1389471	10-68	2	303	25,515	3.88	991	7	19,840	3.69	733	11-71		40	790	.02	31	49
23-64-0307	6855370	1347940	7-67	3	282	19,523	3.43	670	14	16,710	3.71	620	10-71		42	821	-.04	24	45

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C D	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
23-64-0307	7461050	1337741	8-69	1	305	22,120	3.73	825	11	16,590	3.68	611	10-71		35	720	.01	28	$ 45
23-64-0308	6731648	1347940	9-66	2	305	19,835	3.88	769	5	17,140	4.16	713	11-70		40	789	-.02	25	44
23-64-0308	6780455	1347940	10-66	2	305	22,490	3.73	839	5	16,605	4.04	671	4-71		40	1,167	-.03	36	63
23-64-0308	7322709	1347940	10-68	1	305	18,880	4.03	760	7	17,080	3.96	676	1-72		36	672	.01	26	42
23-64-0308	7519003	1347940	4-68	2	305	19,315	4.03	778	5	17,265	3.95	682	4-71		40	724	.02	29	46
23-64-0314	6716358	1347940	4-66	2	300	17,225	3.87	667	9	15,190	3.88	590	8-71		40	702	.00	26	43
23-64-0319	6775696	1347940	4-67	1	305	19,300	3.73	719	11	14,240	3.77	537	12-71		36	894	.00	33	54
23-64-0324	7059507	1347940	2-68	1	305	19,020	3.84	731	7	15,450	3.87	598	8-71		36	792	.00	29	48
23-64-0324	7238705	1347940	7-68	1	305	17,540	4.22	741	8	15,670	3.93	616	10-71		36	667	.03	29	44
23-64-0324	7238706	1347940	9-68	1	305	19,130	3.58	684	8	15,650	3.93	615	9-71		36	787	-.02	25	44
23-64-0324	7412970	1347940	4-69	1	305	20,170	3.39	683	7	15,450	3.87	598	8-71		36	878	-.04	26	48
23-64-6002	6228779	1237057	10-64	5	297	21,568	3.32	717	8	16,268	3.63	590	4-71		44	968	-.08	22	47
23-64-7065	6852934	1347940	11-66	1	305	19,240	3.60	693	11	15,960	3.69	589	1-72		36	774	-.01	27	46
23-64-7065	6852935	1347940	2-67	1	298	20,620	3.90	805	11	15,960	3.69	589	1-72		36	877	.02	35	55
23-64-7065	6852938	1347940	4-67	1	305	24,420	3.69	901	11	15,960	3.69	589	1-72		36	1,160	.01	43	70
23-64-7065	6852939	1347940	6-67	1	302	18,360	3.80	698	11	15,960	3.69	589	1-72		36	709	.01	27	44
23-64-7065	7132410	1347940	8-67	1	305	17,240	3.96	682	9	15,590	3.67	572	2-72		36	650	.02	27	42
23-64-7065	7132412	1347940	8-68	1	305	22,790	3.41	777	11	15,960	3.69	589	1-72		36	1,039	-.03	33	59
23-64-7065	7289618	1347940	7-68	1	305	19,670	3.95	777	9	15,590	3.67	572	2-72		36	831	.03	34	53
23-65-0011	6784367	1441440	11-66	4	304	18,782	3.83	719	22	14,742	3.76	555	1-72		44	852	.03	36	55
23-65-0011	6784368	1441440	3-67	3	305	18,240	3.63	662	22	14,746	3.71	547	10-71		42	763	.02	30	48
23-65-0011	6999318	1309574	1-68	2	305	19,785	3.37	667	23	14,545	3.70	538	9-71		40	750	.01	28	46
23-65-0011	7494121	1441440	9-69	1	305	19,390	3.98	772	20	15,560	3.85	599	12-71		36	687	.04	31	46
23-65-0022	5622393	1189870	2-62	7	302	21,413	3.85	824	11	17,651	3.68	649	11-71		44	725	.05	33	49
23-65-0038	6286764	1441440	2-65	5	302	16,020	3.42	548	12	12,966	3.59	466	1-72		44	719	-.01	25	42
23-65-0067	6573449	1441440	3-66	3	300	17,060	3.89	664	14	13,560	3.72	504	5-71		42	750	.05	35	51
23-65-0069	6198389	1431570	10-64	5	305	19,262	3.71	714	27	14,204	3.71	527	6-71		32	799	.01	30	49
23-65-0069	6697586	1399824	8-66	4	305	20,038	3.27	655	44	15,043	3.72	559	10-71		44	931	-.05	26	50
23-65-0069	6697591	1399824	10-66	4	300	18,500	3.51	649	48	15,145	3.72	563	9-71		44	730	-.01	25	43
23-65-0069	6697594	1309574	9-66	4	305	18,513	4.01	742	47	15,358	3.69	566	11-71		44	606	.09	36	48
23-65-0069	6837560	1399824	3-67	4	295	19,520	4.12	805	43	15,430	3.67	567	10-71		44	824	.09	44	61
23-65-0069	6837562	1399824	5-67	3	305	20,717	3.28	680	25	15,100	3.70	558	10-71		42	968	-.04	29	53
23-65-0069	6950480	1309574	1-68	2	305	20,820	3.51	731	40	16,090	3.70	596	12-71		40	714	.02	29	45
23-65-0069	7518678	1512026	1-70	1	305	22,370	3.29	736	46	16,200	3.69	597	11-71		33	904	-.07	22	45
23-65-0080	6550548	1347940	5-66	4	281	16,935	3.59	608	18	13,250	3.62	480	8-71		44	901	.00	32	54
23-65-0080	7258490	1427381	9-68	2	305	18,260	3.28	599	15	13,490	3.54	478	3-72		40	1,196	.01	44	72
23-65-0114	7090362	1427381	7-68	2	305	17,685	3.78	669	10	13,950	4.01	559	9-71		40	1,096	.02	43	68
23-65-0115	7045415	1441440	4-68	2	305	18,015	3.62	652	14	12,255	3.95	484	8-71		40	932	.00	33	55
23-65-0154	7254093	1427381	11-68	1	305	21,090	3.76	793	19	14,230	3.71	528	12-71		36	1,277	.05	54	83
23-65-0159	7244882	1427381	11-68	2	305	20,315	3.78	767	8	16,805	3.88	652	10-71		40	1,102	.03	45	70
23-65-0159	7622375	1427381	3-70	1	305	25,240	3.24	818	7	17,890	3.63	649	2-72		36	1,341	-.01	47	79
23-65-0170	6943486	1399824	8-67	3	305	22,423	3.46	776	32	16,720	3.85	643	12-71		42	996	-.03	31	56
23-65-0182	6472421	1309574	2-66	4	304	16,140	4.08	658	23	13,453	3.66	492	9-71		44	525	.10	34	44
23-65-0182	6633619	1441440	10-66	3	305	16,876	3.97	670	18	14,610	3.77	551	1-72		42	620	.05	30	43
23-65-0187	7173175	1441440	6-68	1	305	18,540	3.89	721	14	15,900	3.52	560	5-71		36	601	.06	30	43
23-65-0188	5991361	1415405	9-63	6	302	21,570	3.74	807	21	16,700	3.71	619	3-72		44	814	-.01	28	48
23-65-0199	7069125	1427615	3-68	2	305	16,565	3.69	611	12	11,985	3.75	450	12-71		40	900	-.09	19	43
23-66-0001	5733780	1189870	12-62	7	252	20,419	3.40	694	21	16,081	3.53	568	3-71		44	779	-.02	25	44
23-66-0001	7656700	1441440	11-69	1	305	20,840	3.50	730	34	16,590	3.94	654	11-71		36	726	-.01	24	42
23-66-0004	6708346	1347940	10-66	4	296	21,990	3.42	753	34	17,280	3.69	638	11-71		44	1,077	-.04	32	59
23-66-0004	6708348	1347940	11-66	3	302	19,300	3.61	696	16	17,330	3.47	602	4-71		42	731	.02	29	46
23-66-0004	6708350	1347940	1-67	4	305	20,167	3.47	700	24	17,222	3.63	626	4-72		44	858	-.03	27	48
23-66-0004	6836667	1347940	12-66	3	305	22,256	4.06	904	25	17,016	3.67	624	11-71		42	1,104	.07	50	74
23-66-0004	6839895	1347940	6-67	2	305	20,150	3.94	793	19	16,355	3.60	589	4-71		40	892	.04	39	59
23-66-0004	6993689	1469311	9-67	2	305	21,675	3.88	841	37	17,730	3.78	670	9-71		40	625	.06	31	44
23-66-0004	7276831	1347940	3-69	1	305	20,430	3.82	780	23	17,220	3.86	665	8-71		36	778	.00	28	47
23-66-0004	7480696	1347940	12-69	1	303	21,210	3.64	772	32	18,190	3.78	687	12-71		36	772	-.01	26	45
23-66-0005	7097619	1447750	12-66	3	305	20,883	3.63	759	16	16,710	3.69	616	9-71		41	763	-.01	26	44
23-66-0014	6593730	1388895	8-64	5	305	20,638	3.67	758	15	14,660	3.93	576	8-71		44	620	.05	30	43
23-66-0014	6733683	1347940	12-66	3	305	17,773	4.19	744	13	15,110	3.83	578	6-71		42	785	.06	37	54
23-66-0014	6766663	1347940	4-66	3	289	18,570	3.87	718	10	15,163	3.94	598	11-71		42	871	.00	32	53
23-66-0014	7424329	1387978	2-68	2	305	19,115	4.31	824	12	14,900	3.90	581	11-71		40	837	.06	39	57
23-66-0014	7743639	1432733	4-69	1	305	23,170	3.62	839	6	16,880	3.68	622	4-72		35	789	-.01	27	46
23-66-0014	7852383	1387978	6-69	1	305	22,230	3.58	795	17	14,160	3.83	542	8-71		36	1,029	-.03	33	58
23-66-0024	6802149	1347940	2-67	2	305	17,035	3.45	587	19	14,145	3.84	543	6-71		40	778	-.04	22	42
23-66-0024	7275672	1471956	9-68	1	305	18,760	3.36	631	12	13,980	3.77	527	5-71		35	784	-.04	22	42
23-66-0053	7066208	1347940	9-67	2	305	17,045	3.80	648	14	14,275	3.70	528	12-70		40	767	.02	30	48
23-66-0064	6364512	1347940	8-65	4	304	18,560	3.82	709	12	13,907	3.70	515	5-71		44	1,028	.02	40	64
23-66-0080	6452651	1347940	1-66	4	305	18,215	3.68	670	12	13,952	3.69	515	4-71		44	981	.00	35	58
23-66-0085	5643376	1189870	8-62	4	298	18,565	3.71	689	24	14,548	3.67	534	5-71	B	44	698	.02	28	44
23-66-0085	6672864	1453516	1-66	3	305	21,067	3.63	765	29	14,640	3.72	544	6-71		32	1,045	-.01	36	61
23-66-0085	6751521	1347940	10-66	3	301	19,910	3.70	736	29	13,983	3.62	506	1-72		42	1,148	.01	43	70
23-66-0085	6814742	1469311	9-66	4	305	18,335	3.87	709	33	14,770	3.68	544	12-71		43	626	.06	32	45
23-66-0085	7012431	1493686	1-68	3	305	18,253	3.98	726	34	15,346	3.60	552	1-72		42	735	.08	39	54
23-66-0085	7111364	1347940	5-68	1	305	18,720	3.45	646	41	14,430	3.80	549	12-70		36	838	-.03	26	47
23-66-0100	6358956	1347940	8-65	4	305	15,462	3.53	546	8	12,920	3.64	470	12-70		44	756	-.01	25	43
23-66-0106	6750705	1347940	1-67	2	267	16,840	3.65	615	9	13,735	3.79	521	10-71		40	796	-.01	27	46
23-66-0106	7368235	1347940	9-67	3	295	16,960	3.49	592	5	14,170	3.75	531	1-72		42	789	-.03	24	44
23-66-0123	6685729	1347940	10-66	1	294	22,170	3.57	791	22	16,400	3.68	604	12-71		36	963	-.01	33	56
23-66-0123	6949122	1347940	8-67	1	305	20,190	3.33	673	23	16,690	3.67	613	10-71		36	796	-.03	24	44
23-66-0123	6949124	1347940	8-67	1	305	21,360	3.29	703	22	16,400	3.68	604	12-71		36	903	-.04	27	50
23-66-0123	6949127	1347940	8-67	1	305	22,800	3.35	763	23	16,690	3.67	613	10-71		36	991	-.03	31	55
23-66-0123	6949129	1347940	9-67	1	305	21,090	3.41	719	25	16,800	3.64	612	11-71		36	856	-.03	27	48
23-66-7004	7111057	1347940	11-66	1	305	18,820	4.02	757	28	12,360	3.67	453	11-70		36	984	.04	41	63
23-67-0003	5133433	1189870	4-60	9	301	20,344	3.59	730	18	15,092	3.73	563	3-71		44	884	-.01	30	51

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C O	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
23-67-0003	5339055	1189870	7-60	8	305	19,656	3.87	761	25	14,365	3.79	545	10-71		44	879	.03	37	$ 57
23-67-0003	5372146	1189870	5-61	5	304	25,096	3.95	992	23	15,352	3.69	567	8-71		44	1,467	.07	64	97
23-67-0003	5708121	1189870	8-62	7	302	23,894	3.57	854	28	14,870	3.73	554	3-72		44	1,368	-.01	47	80
23-67-0003	5818485	1189870	11-62	6	305	18,680	3.63	679	26	14,662	3.68	540	8-71		44	719	.01	27	44
23-67-0003	5953962	1189870	7-63	6	303	18,830	3.54	667	23	14,752	3.65	539	8-71		44	728	-.01	25	43
23-67-0003	6008648	1189870	2-62	4	298	22,823	3.68	839	24	14,893	3.69	549	12-71		44	1,185	.01	45	73
23-67-0003	7481216	1347940	7-69	1	305	17,670	4.04	713	38	15,380	3.82	588	1-72		36	696	.03	29	45
23-67-0004	5142769	1157986	11-59	8	305	21,279	3.81	810	16	15,830	3.79	600	1-71		44	730	.01	28	45
23-67-0004	6128824	1347940	8-64	4	305	21,220	3.91	829	15	19,555	3.79	741	5-71		44	729	.02	30	47
23-67-0004	6365493	1237057	2-65	5	299	25,358	3.47	880	14	19,206	3.77	724	6-71	H	44	1,116	-.09	27	56
23-67-0004	6452595	1406271	10-65	1	305	26,020	4.09	1064	28	18,520	3.68	681	8-71		36	998	.09	50	71
23-67-0004	6649999	1441440	2-66	2	302	23,075	3.85	889	15	19,895	3.88	772	4-71	H	40	748	.03	31	48
23-67-0004	6950940	1441440	8-67	2	305	24,645	3.84	947	16	19,925	3.79	755	2-71		40	904	.04	39	59
23-67-0004	6961884	1399824	9-67	3	305	26,467	3.79	1002	14	19,947	3.78	753	3-72		42	1,127	.03	46	72
23-67-0004	7086923	1399824	2-68	2	305	22,875	3.98	911	27	18,655	3.68	686	11-71		40	796	.07	39	56
23-67-0014	7256489	1330987	5-67	3	305	17,157	4.01	688	10	14,513	3.82	554	7-71		42	594	.06	31	43
23-67-0021	7026259	1357743	11-67	2	296	20,865	3.94	823	14	15,385	3.61	555	4-71		40	674	.02	28	43
23-67-0037	6322256	1436081	1-65	5	305	19,286	3.61	696	8	13,974	3.64	509	10-71		44	652	.03	28	43
23-67-0040	6801637	1320310	12-66	2	305	17,605	3.46	610	14	15,150	3.62	549	1-72		40	815	-.06	21	42
23-67-0067	5782063	1189870	1-63	7	305	24,444	3.60	880	18	18,774	3.75	704	3-72		44	985	-.02	33	57
23-67-0067	7184055	1500892	8-68	2	305	26,315	3.50	921	29	18,980	3.87	735	10-71		25	986	-.06	27	52
23-67-0067	7218105	1507567	5-68	2	305	23,255	4.22	981	24	18,770	3.81	716	9-71		25	623	.09	36	48
23-67-0067	7358505	1399824	5-69	1	305	22,430	4.36	979	27	19,280	3.78	729	8-71		36	616	.09	36	48
23-67-0079	5980552	1189870	4-63	5	305	21,104	3.65	770	18	17,546	3.72	653	11-71		44	697	.00	25	42
23-67-0079	7045939	1427615	11-67	2	305	23,580	3.17	748	18	17,655	3.60	636	7-71		40	1,094	-.15	16	46
23-67-0079	7571493	1399824	10-69	1	305	23,100	3.59	829	18	17,030	3.58	610	10-71		36	817	.02	33	52
23-67-0079	7597037	1399824	9-68	2	298	22,350	3.53	790	17	17,595	3.52	619	11-71		40	840	.02	33	53
23-67-0111	6413693	1452607	8-65	4	305	19,000	3.45	656	38	14,290	3.58	511	8-71		40	955	-.04	29	53
23-67-0111	6413694	1452607	8-65	4	305	17,750	3.50	621	23	14,410	3.59	517	4-71		40	777	-.03	24	43
23-67-0112	6778406	1441440	12-66	4	305	18,380	3.86	710	27	16,637	3.47	578	2-72		44	592	.08	33	45
23-67-0127	6998440	1415405	1-68	2	305	23,520	3.02	711	10	15,995	3.53	564	4-71		40	947	-.11	18	43
23-67-0160	6788767	1309574	3-67	3	305	22,980	3.53	812	19	16,240	3.80	617	7-71		42	1,006	.00	37	61
23-67-0182	5992713	1189870	11-63	5	305	22,752	3.82	869	33	14,994	3.59	539	10-71		44	1,206	.05	51	78
23-67-0182	6194473	1337741	9-64	6	303	19,133	3.35	641	37	14,580	3.59	524	10-71		44	846	-.04	25	46
23-67-0182	6786651	1309574	2-67	4	301	19,148	3.39	649	25	15,243	3.60	549	4-72		44	698	.01	26	42
23-67-0182	7295926	1399824	9-68	2	297	19,295	3.89	751	43	16,180	3.52	569	11-71		40	659	.07	34	48
23-67-0182	7422075	1399824	5-69	1	305	20,750	3.78	785	42	16,100	3.48	561	8-71		36	704	.05	33	48
23-67-0182	7502714	1441440	10-69	1	284	21,530	3.62	779	43	17,500	3.50	613	11-71		36	716	.03	31	47
23-67-0182	7502715	1441440	2-70	1	305	22,040	3.72	819	16	17,460	3.55	619	3-72		36	757	.04	33	50
23-67-0186	6035477	1189870	10-63	4	305	19,980	3.64	728	18	15,375	3.71	571	4-71		44	781	.00	28	47
23-67-0186	6733963	1309574	1-67	3	305	19,520	3.70	722	22	16,117	3.68	593	12-71		42	621	.05	30	43
23-67-0186	7049799	1399824	8-67	2	213	20,230	3.60	729	19	16,880	3.67	620	4-72		40	690	.01	27	43
23-67-0200	6507438	1320310	11-65	5	290	18,142	3.29	597	68	14,766	3.64	537	12-71		44	960	-.08	22	47
23-67-0200	6802721	1477529	10-66	2	305	18,650	4.07	759	73	14,045	3.63	510	12-71		25	578	.07	32	44
23-67-0200	6869814	1500978	9-67	2	302	20,075	3.52	706	66	14,915	3.69	550	5-71		30	835	-.07	20	42
23-67-0200	7165490	1458744	7-68	1	305	18,280	3.57	653	94	14,470	3.64	527	12-70		36	763	-.01	26	44
23-67-0201	7002898	1483228	8-67	3	305	20,047	3.82	766	19	14,907	3.78	563	12-71		29	740	.02	30	47
23-67-0201	7152731	1427381	6-68	1	305	18,210	3.95	719	21	15,090	3.88	586	12-70		36	1,005	.05	44	67
23-67-0201	7450880	1427381	8-69	1	305	19,740	3.61	712	19	14,470	3.58	518	11-71		36	1,160	.04	48	75
23-67-0201	7509817	1427381	8-69	1	293	16,320	3.47	567	12	13,430	3.56	478	3-72		36	975	.03	40	62
23-67-0207	6367612	1309574	9-65	4	305	20,790	4.36	906	25	16,700	3.87	646	2-71		44	738	.13	47	61
23-67-0207	6499002	1461227	11-65	4	305	19,458	4.29	834	23	15,960	4.00	639	12-71		30	556	.08	32	43
23-67-0207	6499004	1461227	2-66	3	305	18,787	4.65	873	20	15,723	4.02	632	10-71		29	456	.13	36	43
23-67-0207	7027079	1483229	12-67	2	302	19,705	4.75	936	25	17,000	4.01	682	1-71		30	449	.13	36	43
23-67-0207	7027080	1399824	1-68	3	298	19,643	4.32	848	29	16,693	3.90	651	2-72		42	679	.10	39	53
23-67-0237	7676608	1337741	11-68	1	305	22,200	3.61	801	9	16,570	3.78	627	4-71		35	728	-.01	25	43
23-67-0243	7515565	1427381	7-69	1	233	16,950	3.99	676	17	13,640	3.75	511	8-71	B	36	1,008	.06	46	68
23-67-0243	7871313	1427381	7-69	1	227	16,970	3.38	573	17	13,640	3.75	511	8-71	B	36	1,010	.01	38	62
23-67-0243	7923302	1427381	9-69	1	305	16,730	3.60	603	21	13,730	3.77	518	9-71		36	986	.03	40	63
23-67-0249	6624170	1309574	5-66	3	305	21,387	3.32	709	12	16,577	3.78	626	11-71		42	788	-.02	25	44
23-67-0249	7289122	1441440	12-68	1	305	19,060	4.10	781	21	16,560	3.77	625	2-71		36	595	.06	30	43
23-67-0249	7289123	1441440	12-68	2	304	20,150	3.69	744	22	17,130	3.68	630	1-72		40	704	.03	30	46
23-67-0260	7081528	1337741	10-67	3	297	19,993	4.00	800	19	16,197	3.65	592	11-71		42	723	.06	35	51
23-67-0271	6516510	1450228	2-66	4	302	16,012	3.75	600	18	14,170	3.68	521	11-71		42	742	-.01	25	43
23-67-0271	6618768	1347940	7-66	4	305	18,180	3.81	692	18	13,862	3.69	511	3-72		44	986	.02	39	62
23-67-0271	6618770	1347940	9-66	4	300	16,812	3.71	624	19	13,480	3.68	496	9-71		44	860	.01	32	52
23-67-0271	6674383	1441440	7-66	3	300	15,846	4.13	655	11	12,856	3.69	474	8-70		42	683	.08	37	51
23-67-0271	7404740	1399824	11-67	2	305	17,460	4.14	722	15	14,995	3.57	535	4-71		40	581	.09	34	45
23-67-0271	7421569	1347940	12-67	3	302	17,766	3.89	691	16	14,883	3.58	533	3-72		42	808	.04	35	53
23-67-0271	7817049	1347940	5-69	1	305	21,240	3.20	679	16	15,570	3.51	547	1-72		36	949	-.03	29	53
23-67-0272	6839730	1347940	7-67	2	305	22,070	3.60	794	12	15,125	3.74	565	3-71		40	1,200	-.01	41	70
23-67-0274	6989207	1458744	12-67	2	305	18,860	4.20	793	11	15,775	3.55	560	5-71		40	777	.07	39	56
23-67-0274	7438715	1427381	4-69	1	293	16,490	3.78	623	20	14,440	3.73	538	8-71		36	920	.04	40	61
23-67-0292	6160775	1320310	7-64	5	305	17,082	3.63	620	7	15,410	3.61	557	4-71		44	748	-.03	23	42
23-67-0292	6688867	1320310	4-66	3	305	18,053	4.01	724	14	14,500	3.66	531	10-71		42	949	.02	37	59
23-67-0292	7213969	1427381	8-68	2	305	19,925	3.80	758	15	15,660	3.52	551	1-72		40	1,167	.07	53	79
23-67-0293	5682312	1347940	3-62	5	305	19,766	3.92	774	29	15,130	3.61	546	9-71		44	1,061	.05	46	70
23-67-0293	6807956	1441440	10-66	3	278	20,226	3.88	785	28	15,116	3.64	550	12-70	H	42	953	.06	44	65
23-67-0293	7316378	010278694	6-64	2	305	19,930	3.76	750	30	13,885	3.72	517	12-71		25	758	.02	30	48
23-67-0301	6806214	1458744	10-66	3	305	20,316	3.84	781	6	15,586	3.87	603	9-71		42	993	.00	36	60
23-67-0302	5412498	1232296	2-61	7	304	17,194	3.37	579	12	13,984	3.68	514	6-71		44	711	.02	28	45
23-67-0303	6839216	1399824	7-67	2	290	18,050	3.67	662	21	14,735	3.66	540	6-71		40	665	.02	27	42
23-67-0303	7487566	1347940	3-69	1	305	19,490	3.70	722	18	15,910	3.65	581	3-72		36	796	.01	30	49
23-67-0310	7050922	1337741	3-68	2	305	19,455	3.98	775	13	15,460	3.73	576	9-71		40	687	.05	32	47
23-67-0310	7290444	1337741	11-68	2	299	20,530	3.42	702	15	16,215	3.56	577	10-71		40	727	-.01	24	42

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C O	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
23-67-0310	7505560	1441440	1-70	1	305	21,280	3.16	672	14	16,830	3.49	588	12-71		36	742	-.01	25	$ 43
23-67-0316	7442312	1458744	9-68	1	305	18,540	4.30	798	22	14,060	3.73	524	8-71		36	810	.05	37	55
23-67-0316	7600021	1347940	8-69	1	305	19,990	3.52	703	14	16,030	3.82	612	12-71		36	825	-.02	26	46
23-67-0316	7606311--	1347940	7-69	1	246	25,890	3.55	918	12	16,740	3.81	637	2-72	B	36	1,217	-.02	41	70
23-67-7066	5852925	1399824	3-63	4	305	17,863	3.53	630	11	14,068	3.72	523	12-71		44	771	-.01	27	46
31-02-0001	6604740	1236789	4-66	2	219	19,380	3.66	709	29	15,575	3.67	571	1-72		40	730	.00	27	44
31-02-0001	6825194	1360955	2-67	3	253	21,237	3.70	786	21	15,383	3.72	572	11-71		38	787	-.02	25	44
31-02-0007	7027247	1308101	11-67	3	302	21,576	3.23	696	13	17,333	3.69	640	11-71		42	1,080	-.09	25	53
31-02-0320	6543495	1455365	5-66	3	305	19,366	3.08	597	34	13,236	3.29	435	8-71		33	940	-.06	24	48
31-03-0011	6632714	1418927	8-66	3	302	18,593	3.98	740	10	13,693	3.81	522	7-71		42	687	.05	32	47
31-03-C016	7447512	1458744	10-69	1	305	16,580	3.85	639	9	13,090	3.87	506	12-71		36	729	.00	26	43
31-03-0016	7447513	1458744	11-69	1	295	17,620	3.37	594	9	13,090	3.87	506	12-71		36	807	-.04	23	43
31-03-0019	6371474	1355784	7-65	5	300	16,940	3.64	617	20	13,574	3.79	515	1-72		44	877	-.07	21	44
31-03-0019	6618231	1442585	10-65	5	300	18,642	3.61	673	23	13,556	3.75	508	2-72		36	819	-.02	27	47
31-03-C026	6052195	1404570	9-63	6	305	21,223	3.36	714	5	13,955	3.78	528	12-71		34	1,310	-.08	34	68
31-03-0028	7003153	1355784	12-67	2	299	21,880	2.96	648	35	16,155	3.78	610	7-71		40	1,084	-.17	13	44
31-03-0028	7003155	1355784	1-68	3	302	23,943	3.21	768	20	16,790	3.77	633	4-72		42	1,328	-.15	25	61
31-03-0044	7254023	1493686	1-69	1	305	16,380	4.04	662	22	13,450	3.63	488	8-71		35	638	.07	33	46
31-03-0044	7507072	1493686	5-69	1	305	16,050	3.74	600	18	12,490	3.68	460	1-72		35	679	.04	30	45
31-03-C044	7507083	1493686	11-69	1	305	15,200	4.08	620	10	12,940	3.72	482	3-72		35	584	.06	30	42
31-03-0044	7507085	1493686	11-69	1	305	15,830	3.66	580	12	12,470	3.69	460	2-72		35	663	.03	29	44
31-03-0083	7388213	1493686	3-69	1	305	15,700	3.82	600	28	13,110	3.71	486	8-71		35	610	.05	29	42
31-03-0083	7388215	1493686	7-69	1	305	18,400	4.02	739	31	13,500	3.68	497	9-71		35	787	.06	38	55
31-03-0085	6426349	1271810	10-65	4	305	20,923	3.36	704	11	16,628	3.58	595	1-72		44	844	-.07	20	42
31-03-0086	5531465	1227684	3-62	8	305	21,049	3.52	741	13	13,283	3.87	514	12-71		44	1,014	-.05	29	55
31-03-0086	6158651	1392858	4-64	5	305	18,974	4.03	764	14	14,518	3.77	547	7-71		44	754	.08	39	55
31-03-0095	7171281	1406271	8-68	2	299	21,365	3.54	757	32	16,585	3.59	596	1-72		40	891	.03	37	57
31-03-0100	6139385	1406271	4-64	5	302	15,020	4.18	628	11	12,696	3.62	460	5-71		44	635	.11	39	51
31-03-C100	6405758	1406271	4-65	5	305	16,030	3.44	552	12	12,910	3.63	469	1-72		44	741	.01	28	45
31-03-C106	7201388	1493686	6-68	2	305	16,470	3.96	653	14	14,425	3.81	550	3-72		40	6C7	.05	30	43
31-03-0106	7338425	1493686	4-69	1	305	18,710	4.19	784	18	14,050	3.89	547	11-71		35	774	.07	38	55
31-03-0106	7387645	1355784	4-69	1	305	18,800	3.36	632	15	12,350	3.88	479	8-71		35	986	-.10	20	46
31-03-0106	7387652	1406271	9-69	1	305	19,640	3.69	725	14	14,970	3.89	582	4-72		36	760	.02	31	48
31-03-C126	7317281	1447141	12-68	2	299	18,495	3.75	693	9	15,370	3.47	533	1-72		40	555	.08	32	43
31-03-0300	5962377	1406272	10-63	5	305	19,376	3.46	670	19	14,630	3.50	512	2-72		36	753	-.03	23	42
31-03-C300	7206257	1493686	9-68	1	305	22,280	3.43	765	48	15,920	3.57	569	3-71		35	916	.02	36	57
31-03-0300	7442295	1493686	11-69	1	305	19,380	3.33	646	34	16,390	3.44	563	3-72		35	665	.02	27	42
31-03-C300	7442297	1447141	11-69	1	305	23,230	3.37	782	40	16,300	3.42	558	2-72		36	773	.04	34	51
31-03-C330	6869782	1406271	6-67	3	305	17,617	3.85	679	18	14,737	3.79	559	9-71		42	706	.05	33	48
31-03-0330	7059331	1406271	12-67	2	305	18,485	3.89	719	32	15,380	3.84	591	1-71		40	7C9	.05	33	49
31-03-0330	7400062	1406271	5-69	1	305	17,630	3.88	684	19	14,990	3.74	560	8-71		36	609	.05	30	43
31-03-0330	7400064	1406271	7-69	1	305	19,420	3.77	732	17	15,850	3.70	587	9-71		36	685	.05	32	47
31-03-C495	6207478	1355784	1-64	6	299	18,910	3.19	604	24	15,088	3.51	530	11-71		44	957	-.11	17	43
31-03-0495	6882178	1493686	7-67	3	301	16,986	3.77	641	21	13,533	3.58	484	8-71		42	778	.05	36	53
31-03-C495	7016445	1406271	9-67	2	305	17,720	3.69	653	20	14,880	3.53	526	1-72		40	677	.05	32	47
31-03-C495	7498517	1493686	3-69	1	305	15,760	3.92	618	22	13,320	3.57	475	8-71		35	600	.06	31	44
31-03-9040	6111139	1406271	8-64	4	305	19,615	3.38	663	29	15,335	3.64	558	5-71		44	902	-.01	31	53
31-03-9040	7010508	1493686	12-67	2	305	19,760	3.93	776	38	15,355	3.67	564	1-71		40	857	.07	41	6[illegible]
31-03-9040	7010509	1493686	1-68	2	297	16,895	3.71	626	37	14,550	3.60	524	7-71		40	639	.04	29	43
31-03-9040	7177154	1447141	11-68	1	305	18,960	3.63	688	48	14,130	3.77	532	8-71		36	6C1	.05	29	42
31-03-9070	5853678	1406271	2-63	5	304	17,006	4.62	785	18	15,066	3.58	539	3-72		44	616	.19	50	60
31-C3-9070	6168748	1406271	4-64	5	305	20,048	3.43	687	11	14,076	3.48	490	10-71		44	1,124	.02	43	69
31-03-9084	6952922	1406271	8-67	3	289	19,713	3.49	688	59	16,327	3.55	580	9-71		42	782	.02	31	49
31-03-9084	7074834	1406271	10-67	3	305	24,443	3.72	910	40	17,103	3.55	607	2-72		42	1,246	.06	54	82
31-03-9084	7074839	1406271	11-67	3	305	18,913	3.72	704	39	16,773	3.56	597	2-72		42	644	.06	32	46
31-03-9084	7094445	1406271	11-67	3	304	19,803	3.46	685	53	16,407	3.57	586	10-71		42	785	.02	31	49
31-03-9084	7131342	1406271	3-68	2	305	18,530	3.62	671	45	16,350	3.60	588	4-71		40	625	.04	28	42
31-03-9084	7131346	1493686	4-68	2	305	19,570	3.50	685	43	16,450	3.59	591	4-71		40	738	.02	29	46
31-03-9084	7143531	1493686	6-68	2	305	17,810	4.41	785	49	16,060	3.61	579	4-71		40	594	.12	40	51
31-03-9084	7248104	1493686	8-68	2	305	19,910	3.30	657	47	17,210	3.54	609	1-72		40	702	.0C	25	42
31-03-9084	7361828	1447141	5-69	1	305	19,920	3.71	740	74	16,140	3.44	556	9-71		36	537	.08	31	42
31-03-9084	7380644	1406271	12-68	2	305	22,365	3.28	733	40	16,945	3.55	601	2-72		40	960	.00	34	57
31-03-9084	7380647	1493686	12-68	2	305	23,820	3.22	768	40	17,000	3.50	595	2-72		40	1,121	-.02	37	64
31-03-9084	7425245	1493686	8-69	1	305	20,790	3.31	689	39	17,100	3.38	578	2-72		35	723	.02	29	46
31-03-9084	7542041	1544835	6-69	1	305	22,350	3.30	737	69	15,760	3.49	550	11-71		22	908	-.05	25	48
31-03-9084	7542047	1544835	8-69	1	305	23,650	3.45	816	69	15,760	3.49	550	11-71		22	1,026	-.03	32	57
31-03-9084	7542055	1493686	5-69	1	305	19,430	3.24	630	72	15,800	3.48	550	8-71		35	7C9	.01	27	44
31-03-9084	7599831	1544835	3-70	1	305	22,360	3.24	724	47	17,000	3.40	578	2-72		22	807	-.05	22	42
31-C3-9084	7599841	1493686	12-68	1	305	19,710	3.73	735	45	16,890	3.72	628	1-71		35	656	.04	29	44
31-03-9084	7599843	1493686	12-68	1	305	19,560	4.19	820	44	16,500	3.73	615	11-70		35	671	.08	36	50
31-03-9120	6285561	1271810	9-64	5	298	19,864	3.26	647	47	15,004	3.69	554	7-71		44	917	-.10	18	43
31-03-9120	6956135	1406271	10-67	2	305	15,915	4.27	679	51	14,325	3.68	527	7-71		40	544	.10	35	45
31-03-9120	6956136	1406271	11-67	2	305	16,710	4.07	680	46	14,960	3.65	546	6-71		40	567	.08	33	44
31-03-9120	7227875	1406271	9-68	2	303	15,055	3.77	567	35	12,895	3.64	469	3-72		40	588	.05	29	42
31-C3-9120	7227879	1493686	10-68	2	305	17,415	3.90	680	54	13,420	3.62	486	1-72		40	796	.06	38	55
31-03-9120	7227881	1493686	1-69	1	305	15,720	3.73	586	54	13,090	3.60	471	1-72		35	613	.05	29	42
31-03-9120	7290499	1513717	3-69	1	305	21,290	3.16	673	44	13,340	3.79	506	8-71		24	995	-.10	21	47
31-03-9120	7646994	1406271	10-69	1	305	16,150	3.86	624	51	13,010	3.61	470	1-72		36	632	.05	31	45
31-03-9315	6754724	1268640	12-66	3	305	18,790	3.93	739	31	14,350	3.60	517	7-71		34	714	.04	32	48
31-04-0033	7176274	1473083	12-66	2	305	19,350	3.55	686	16	13,265	3.70	491	11-71		29	865	-.01	29	5[illegible]
31-04-0039	7051921	1308101	2-68	2	305	17,675	3.79	670	39	15,775	3.47	548	10-71		40	785	.01	30	48
31-C4-0083	6881515	1315578	3-67	1	299	17,170	4.30	738	10	13,280	3.64	484	2-71		36	453	.15	38	45
31-04-0083	7042802	1315578	10-67	3	283	16,500	3.84	633	21	13,246	3.62	479	2-72	H	42	517	.11	35	44
31-04-0093	7151144	1392858	5-68	2	292	21,030	3.51	739	16	15,780	3.59	566	1-72		40	738	.02	29	46
31-04-0093	7365660	1308101	5-69	1	305	18,700	3.64	680	15	14,730	3.63	534	10-71		36	913	-.02	30	52

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C D	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
31-04-0093	7365661	1308101	5-69	1	305	18,630	3.51	654	15	14,730	3.63	534	10-71		36	908	-.03	28	$ 50
31-04-0107	4817051	1271622	12-58	8	305	22,805	3.52	803	18	16,568	3.60	597	1-72		36	1,117	-.02	37	64
31-04-0107	7156975	1315578	6-68	2	305	17,820	3.77	671	7	14,155	3.67	520	7-71		40	531	.10	34	44
31-04-0110	7455183	1308101	1-68	1	290	20,090	3.10	622	18	14,920	3.53	526	10-71		36	1,004	-.07	26	52
31-04-0863	7417383	1308101	9-69	1	305	19,130	3.54	677	18	16,340	3.67	600	1-72		36	837	-.03	25	46
31-04-9011	6104106	1434189	7-64	4	301	21,678	3.72	807	31	15,638	3.64	570	2-72		30	937	.02	37	59
31-06-0009	5776566	1389525	2-63	6	305	18,182	3.49	635	12	13,285	3.67	488	4-71		36	768	-.02	24	43
31-06-0016	6627654	1464308	6-66	3	305	19,783	3.39	671	26	14,920	3.67	548	12-70		33	846	-.06	21	43
31-06-0016	6627664	1308101	9-66	4	305	19,600	3.44	675	34	16,247	3.67	596	1-72		44	982	-.05	27	52
31-06-0016	6779665	1315578	11-66	4	297	19,947	3.56	711	23	16,435	3.67	603	3-72		44	611	.07	32	45
31-06-0016	6977488	1308101	9-67	3	302	18,320	3.58	656	37	15,763	3.64	573	11-71		42	868	-.03	27	48
31-06-0016	6999207	1308101	9-67	2	299	17,935	4.06	729	22	15,415	3.62	558	7-71		40	844	.03	35	54
31-06-0032	6949958	1315578	11-67	3	305	22,146	3.88	860	12	18,053	3.79	685	12-71		42	669	.11	40	53
31-06-0036	5652128	1112211	5-62	6	305	20,420	3.66	747	10	16,307	3.70	603	7-71		44	907	-.02	29	51
31-06-0044	6536258	1237057	2-66	2	305	21,730	3.72	809	21	16,550	3.75	620	6-71		40	826	-.03	25	46
31-06-0044	6814235	1276654	2-67	3	305	22,477	3.56	800	15	16,410	3.77	618	10-71		42	848	-.03	26	47
31-06-0056	6679231	1308101	9-66	3	305	20,943	3.50	734	17	17,696	3.51	622	2-71		42	970	-.03	31	55
31-06-0056	7342844	1308101	5-69	1	299	20,860	3.04	635	16	17,310	3.37	584	7-71		36	901	-.06	23	46
31-06-0056	7342845	1308101	5-69	1	305	21,980	3.38	743	15	17,980	3.38	607	6-71		36	939	-.03	30	53
31-06-0063	6786143	1308101	12-66	4	305	19,707	3.49	687	11	16,900	3.70	626	4-72		44	923	-.05	25	48
31-06-0070	6969567	1308101	10-67	2	305	17,895	3.81	681	18	14,875	3.81	566	2-71		40	890	-.01	30	52
31-06-0072	7097735	1392858	8-68	2	305	18,190	3.91	712	10	14,040	3.85	541	10-71		40	608	.05	29	42
31-06-0121	7486515	1493686	3-69	1	181	21,750	3.76	818	6	18,040	3.75	677	1-72	B	35	732	.04	32	48
31-06-0400	6714215	1308101	8-66	4	301	17,322	3.53	612	14	14,295	3.79	542	2-72		44	918	-.05	25	48
31-06-0400	7081559	1308101	3-68	2	305	17,900	3.69	660	12	14,405	3.74	539	2-72		40	933	-.02	30	53
31-06-0400	7341931	1308101	1-69	1	305	20,050	3.71	744	16	13,270	3.86	512	6-71		36	1,112	-.03	36	63
31-06-0400	7718870	1308101	5-69	1	305	15,930	3.84	611	16	13,270	3.86	512	6-71		36	805	-.02	26	46
31-06-0450	7100468	1308101	8-67	2	305	19,110	3.67	702	14	16,740	3.74	626	2-72		40	843	-.03	26	47
31-06-0450	7100469	1308101	10-67	2	305	19,405	4.25	825	17	16,005	3.89	622	11-70		40	940	.03	39	6[illegible]
31-06-0450	7100470	1308101	2-68	2	305	16,650	3.78	630	17	14,845	3.77	559	6-71		40	766	-.02	25	44
31-06-0450	7320907	1308101	10-68	2	305	20,850	3.76	784	13	16,800	3.74	628	2-72		40	1,014	-.02	34	59
31-06-0450	7344218	1315578	7-67	3	297	20,596	3.69	759	15	16,143	3.80	614	12-71		42	688	.07	36	5[illegible]
31-06-0920	6816157	1271810	6-65	5	305	19,546	3.46	676	10	13,352	3.77	504	2-72		44	1,068	-.07	27	55
31-06-9002	6727929	1308101	10-66	3	305	22,413	3.80	851	20	17,086	3.75	640	1-71		42	1,202	.00	43	72
31-06-9024	5714551	1189870	8-62	6	305	20,918	3.72	778	13	16,713	3.80	635	11-71		44	770	.0[illegible]	28	4[illegible]
31-06-9024	6502512	1308101	2-66	3	305	21,776	3.54	770	19	17,246	3.69	636	11-70		42	1,112	-.04	34	62
31-06-9024	7203011	1392858	9-68	2	305	25,480	3.75	956	17	18,870	3.77	712	3-72		40	907	.03	38	59
31-06-9028	7037781	1490366	1-68	2	305	20,615	3.80	784	16	16,145	3.58	578	3-71		30	605	.05	30	43
31-06-9028	7465928	1490366	12-67	3	302	20,866	4.02	838	11	16,926	3.61	611	3-72		33	615	.09	36	45
31-06-9028	7498815	1427381	10-69	1	305	23,160	4.00	927	14	16,380	3.72	609	11-71		36	1,287	.07	58	87
31-06-9038	6410425	1308101	7-65	4	305	18,582	3.71	689	9	15,347	3.78	580	1-71		44	957	-.02	31	54
31-06-9038	7199974	1392858	9-68	2	293	20,355	3.71	756	8	15,775	3.87	610	11-71		40	670	.02	27	42
31-06-9038	7335528	1308101	3-69	2	293	20,040	3.73	747	5	15,810	3.90	617	3-72		40	1,022	-.03	32	57
31-06-9050	5931973	1330987	8-63	6	305	18,833	4.39	826	22	15,682	3.87	607	8-71		44	701	.12	44	57
31-06-9050	6858531	1308101	8-67	3	304	23,886	3.80	908	27	17,803	4.01	714	1-72		42	1,297	-.04	41	73
31-06-9050	6858532	1308101	8-67	3	305	25,100	3.52	883	27	18,230	3.99	727	2-72		42	1,392	-.08	37	73
31-06-9050	7185514	1427381	6-68	1	305	22,150	4.68	1037	27	17,740	3.97	704	11-70		36	1,121	.13	60	83
31-06-9050	7369915	1392858	8-69	1	305	25,570	3.67	938	22	19,670	3.90	767	3-72		36	682	.01	26	42
31-06-9050	7446684	1427381	7-69	1	305	21,800	4.11	895	25	17,870	3.93	702	7-71		36	1,086	.07	50	74
31-06-9050	7445689	1432733	8-69	1	305	24,780	3.52	872	32	17,330	4.01	695	9-71		35	880	-.04	25	47
31-06-9050	7475117	1427381	11-69	1	305	21,660	3.90	844	21	17,090	4.03	688	11-71		36	1,128	.04	47	73
31-06-9050	7475118	1427381	11-69	1	305	24,140	3.91	945	25	17,320	4.02	697	10-71		36	1,297	.05	54	84
31-06-9050	7475119	1427381	12-69	1	305	25,350	4.01	1017	24	18,990	3.95	751	1-72		36	1,275	.06	55	84
31-06-9094	7557190	1392858	5-70	1	305	24,510	3.36	824	13	17,950	3.60	647	2-72		36	718	.00	26	43
31-06-9800	4864618	1112211	3-59	9	301	19,212	3.11	598	40	15,121	3.51	531	7-71		44	888	-.09	18	42
31-06-9800	6077001	1199324	4-64	5	299	18,446	3.45	637	52	15,286	3.57	546	10-71		44	850	-.03	26	47
31-06-9800	6178849	1294703	9-64	5	305	19,196	3.51	673	53	15,426	3.58	553	7-71		44	858	-.05	24	46
31-06-9800	6891897	1330987	9-67	3	305	21,773	3.50	762	33	15,877	3.59	570	12-71		42	984	.02	38	61
31-06-9800	6891899	1237057	9-67	2	305	20,255	3.51	710	67	15,050	3.61	544	8-71		40	814	-.05	22	43
31-06-9800	7113239	1386406	5-68	2	305	21,200	3.55	752	68	15,100	3.62	546	8-71		40	870	.01	33	53
31-07-9390	6183338	1406271	7-64	5	302	19,292	3.99	769	12	16,242	3.85	625	10-71		44	775	.07	38	55
31-08-0032	6608534	1308101	9-66	2	305	19,115	3.67	701	8	14,655	3.62	530	4-71		40	1,034	-.01	35	6[illegible]
31-08-0032	6938974	1315578	7-67	3	280	17,966	3.82	686	7	13,273	3.80	504	11-71		42	663	.10	39	53
31-08-0044	7602879	1458744	12-68	1	305	19,900	3.02	601	14	14,140	3.42	483	9-71		36	906	-.05	25	48
31-09-0046	6915671	1308101	12-65	2	305	17,375	3.38	587	9	15,365	3.52	541	5-71		40	792	-.04	22	42
31-09-0046	7196831	1308101	1-67	3	305	19,866	3.42	679	10	15,036	3.59	540	5-71		42	1,121	-.05	33	61
31-09-0047	7204049	1308101	11-68	1	279	17,770	3.25	577	17	14,460	3.46	501	9-71		36	862	-.05	24	46
31-09-0320	7438892	1315578	3-68	1	305	17,760	4.26	757	22	14,680	3.54	520	1-71		36	403	.15	37	43
31-09-0520	6331528	1406271	1-65	4	289	15,750	3.67	578	56	13,328	3.54	472	8-71		44	648	.04	30	44
31-09-9005	6661578	1406271	7-66	3	305	17,893	4.22	755	10	16,313	3.68	601	4-71		42	575	.11	37	48
31-09-9480	5727281	1189870	9-62	7	301	18,966	3.85	730	15	15,541	3.77	586	1-72		44	654	.03	28	43
31-10-0040	7060658	1315578	6-67	3	301	20,283	3.18	646	8	14,033	3.47	487	6-71		42	870	.03	36	56
31-10-0044	7348956	1347940	2-69	1	305	21,340	3.27	697	18	17,330	3.57	618	6-71		36	839	-.03	25	46
31-10-0045	7578539	1450228	1-70	1	305	17,980	3.48	625	30	15,210	3.66	557	12-71		35	797	-.04	22	42
31-10-0070	7492145	1315578	4-68	1	281	18,940	3.74	708	8	12,930	3.53	456	11-71		36	608	.11	38	5[illegible]
31-10-0150	6369912	1182696	5-65	5	280	22,154	3.15	698	10	16,824	3.52	592	2-72		44	965	-.06	26	51
31-10-0150	7179897	1308101	5-67	2	305	21,385	3.54	756	11	16,245	3.51	570	5-71		40	1,119	-.02	37	64
31-10-0150	7569765	1308101	11-68	1	305	19,280	3.59	692	9	16,720	3.49	584	2-71		36	823	-.02	27	47
31-10-0781	7091161	1308101	7-67	1	305	19,660	3.07	604	7	13,130	3.54	465	9-71		36	1,092	-.07	29	57
31-11-0098	6373280	1406271	7-65	5	302	15,730	3.81	600	35	13,662	3.68	503	10-71		44	615	.05	30	43
31-11-0098	6373287	1406271	8-65	5	299	16,704	3.49	583	37	13,632	3.71	506	11-71		44	744	.01	28	46
31-11-0148	6497351	1470512	2-66	2	305	22,470	3.65	820	5	15,965	3.73	595	11-70		37	1,127	-.02	37	64
31-11-0148	7378895	1470512	2-69	2	288	20,680	3.38	699	5	15,665	3.75	588	11-71		37	965	-.07	24	49
31-11-0148	7378897	1470512	6-69	1	276	17,450	4.15	724	10	14,570	3.70	539	8-71		33	677	.02	27	43
31-11-0148	7394985	1470512	7-69	1	305	18,750	3.55	665	10	14,570	3.70	539	7-71		33	780	-.04	22	42

TABLE 3. HOLSTEIN USDA-OHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C O	REPT (%)	.......C O W MILK (LB)	I N D E X....... FAT (%)	FAT (LB)	DOL-LARS
31-11-0671	6290505	1182696	11-64	4	257	19,503	3.64	710	10	16,060	3.72	597	11-71	B	44	695	.01	27	$ 43
31-11-9133	7459499	1493686	1-70	1	305	19,530	4.09	798	22	16,810	3.74	629	2-72		35	648	.07	34	48
31-11-9139	6609303	1458744	6-66	4	305	19,267	3.48	670	6	16,715	3.66	611	12-71		44	769	-.03	23	42
31-11-9476	6776187	1406271	2-67	3	305	21,727	4.10	891	25	16,857	3.95	666	3-72		42	959	.07	46	67
31-11-9476	6943081	1406271	9-67	2	305	20,235	4.06	821	35	16,310	3.94	642	11-71		40	802	.07	39	56
31-11-9476	6980952	1406271	10-67	3	300	18,683	4.12	770	28	16,530	3.94	652	2-72		42	643	.07	33	47
31-11-9476	7091286	1406271	5-68	1	305	19,020	3.96	754	30	16,490	4.02	663	1-71		36	612	.04	28	42
31-11-9731	6681264	1406271	11-65	3	301	19,090	3.76	717	27	14,853	3.72	552	10-71		42	863	.05	38	57
31-11-9731	7434427	1493686	10-68	2	305	20,050	4.02	807	15	15,040	3.80	572	3-72		40	916	.07	43	63
31-11-9731	7829677	010288790	4-66	1	305	23,540	3.42	804	26	16,810	3.69	620	8-71		33	815	.04	35	53
31-11-9935	5765195	1370243	11-62	6	305	19,845	3.58	711	13	14,810	3.75	556	5-71		35	753	-.01	25	43
31-11-9935	6521977	1406271	1-66	4	305	17,123	4.00	685	15	14,325	3.76	539	7-71		44	707	.07	36	51
31-11-9935	6521978	1406271	1-66	4	304	19,790	3.37	666	14	14,730	3.75	553	9-71		44	991	-.02	32	56
31-12-0081	7583064	1493686	12-68	2	302	19,350	3.95	764	15	14,870	3.99	594	2-72		40	860	.04	37	56
31-12-0086	6786293	1308101	7-66	4	302	17,037	3.74	638	7	15,147	3.68	558	1-72		44	788	-.01	27	46
31-12-0086	6817674	1315578	2-66	4	300	18,685	3.66	684	7	14,635	3.66	536	3-72		44	655	.08	36	49
31-12-0086	6817678	1308101	10-66	3	286	17,166	3.57	613	8	15,036	3.66	551	1-72		42	811	-.03	24	44
31-12-0099	6398828	1457909	11-65	4	305	19,597	3.58	701	14	15,747	3.67	578	3-72		35	806	-.02	26	46
31-12-0337	7352109	1308101	4-69	1	305	17,850	3.68	656	6	15,050	3.63	546	8-71		36	828	-.02	27	47
31-12-0570	6653211	1182696	8-66	3	305	19,803	3.96	785	11	16,410	3.69	606	3-71		42	669	.06	33	47
31-12-0570	7193728	1308101	10-68	1	305	20,300	3.86	784	6	17,150	3.78	649	3-71		36	870	-.01	30	51
31-12-0705	7262306	1308101	10-68	2	305	19,145	4.08	782	11	14,325	3.90	559	12-71		40	1,067	.01	40	65
31-12-0705	7262307	1308101	2-69	1	305	19,840	3.99	792	12	13,940	3.77	525	9-71		36	1,051	.01	39	64
31-12-0705	7324232	1491980	5-68	2	305	19,260	4.16	801	11	14,315	3.90	558	12-71		35	802	.10	44	60
31-12-0720	6498864	1457909	10-65	4	303	19,637	3.79	745	16	15,472	3.71	574	12-71		35	847	.02	33	53
31-12-0720	6580683	1330987	7-66	4	233	20,118	3.40	684	5	15,388	3.54	544	3-72	B	44	878	.00	32	53
31-12-9735	7902115	1520034	9-69	1	305	24,120	3.73	900	7	17,180	3.74	643	3-72		19	686	.01	26	42
31-13-0017	5691305	1340669	11-62	6	305	18,488	3.04	562	19	12,375	3.43	424	7-71		44	979	-.13	15	42
31-14-0036	6440990	1315578	8-65	4	305	18,305	3.88	711	8	15,350	3.65	560	11-71		44	529	.12	37	46
31-14-0036	7002835	1276344	9-67	2	301	20,605	3.49	720	10	15,820	3.49	552	6-71		40	683	.02	28	44
31-14-0040	6992529	1308101	1-68	2	305	17,505	3.50	613	13	13,915	3.57	497	7-71		40	938	-.03	29	52
31-14-9026	7078720	1308101	7-67	3	303	18,186	3.44	626	24	16,240	3.47	564	10-71		42	803	-.03	24	44
31-14-9026	7266175	1447141	12-68	2	305	21,940	3.20	703	28	16,630	3.45	574	2-72		40	790	.00	29	48
31-15-0029	5615544	1010936	8-61	7	303	21,631	3.75	811	15	17,466	3.76	656	10-71		44	736	.03	31	48
31-15-0029	6478314	1237057	9-65	4	305	22,098	3.56	786	16	17,265	3.72	642	3-71		44	896	-.05	24	47
31-15-0029	6710878	1237057	10-66	4	305	22,070	3.61	797	23	17,393	3.78	658	12-71		44	878	-.06	23	45
31-15-0029	7581875	1427381	1-70	1	305	22,510	3.75	845	20	19,550	3.76	736	2-72		36	1,026	.05	44	67
31-15-0092	7102981	1315578	3-67	2	305	17,915	3.56	638	16	13,960	3.62	506	5-71		40	558	.08	32	43
31-15-0093	6734036	1308101	12-66	4	299	21,827	3.71	810	12	18,112	3.70	670	1-72		44	1,050	-.01	36	61
31-15-0093	7145342	1352979	2-68	3	300	22,633	3.52	796	12	17,957	3.73	670	3-72		42	863	-.08	19	42
31-15-0094	7481781	1308101	7-69	1	305	18,620	3.64	678	10	16,050	3.78	606	10-71		36	819	-.03	25	45
31-15-0108	6801431	1308101	3-67	3	295	17,630	3.64	642	14	16,026	3.70	593	9-71		42	762	-.03	23	42
31-15-0108	6838472	1315578	5-67	3	297	18,910	3.71	702	15	15,850	3.70	587	8-71		42	524	.09	32	42
31-15-0124	7187836	1308101	9-68	2	301	18,605	3.82	711	13	16,140	3.79	611	10-71		40	846	-.02	28	49
31-15-0124	7375558	1308101	6-69	1	305	17,890	3.69	661	18	15,690	3.65	572	7-71		36	788	-.02	26	45
31-15-0136	7661137	1392858	12-68	1	305	23,960	3.68	881	16	17,100	3.87	661	2-71		36	734	.02	29	46
31-15-0136	7786369	1308101	4-69	1	305	22,720	3.68	837	16	20,270	3.80	770	10-71		36	841	-.03	26	47
31-15-0390	6681703	1410984	6-65	3	305	22,830	3.68	840	5	13,813	3.77	521	11-71		42	899	.03	37	58
31-15-0520	5940424	1406271	9-63	3	305	18,120	3.71	673	10	15,083	3.66	552	3-71		42	728	.04	33	49
31-15-0676	7277229	1308101	12-68	1	305	17,460	3.62	632	21	13,980	4.09	572	9-71		36	871	-.05	24	46
31-15-9071	6479578	1315578	10-65	4	305	18,767	3.74	702	17	16,027	3.67	588	12-71		44	510	.09	32	42
31-15-9071	7143208	1347940	7-68	1	305	16,960	4.04	685	38	15,250	3.71	566	9-70		36	652	.03	28	43
31-15-9071	7321424	1308101	10-68	2	305	19,700	3.37	664	27	16,805	3.71	623	2-72		40	897	-.06	23	46
31-15-9071	7321425	1347940	10-68	2	305	21,840	3.67	801	29	17,085	3.70	632	1-72		40	997	.00	36	61
31-15-9071	7328529	1347940	11-68	2	293	19,570	3.44	674	40	16,925	3.66	620	10-71		40	781	-.03	24	43
31-15-9086	6578303	1315578	3-66	4	304	20,395	3.95	806	9	14,860	3.69	548	4-71		44	841	.13	50	66
31-15-9101	7071474	1458744	2-68	2	305	17,150	3.80	652	18	14,335	3.71	532	9-71		40	735	.01	28	45
31-15-9504	7333129	1458744	3-69	1	305	19,980	4.13	826	36	17,130	3.71	636	8-71		36	711	.04	31	47
31-15-9710	7449456	1308101	9-69	1	305	16,830	3.46	583	43	13,560	3.58	485	1-72		36	852	-.03	26	47
31-16-0062	7201979	1347940	8-67	2	296	17,505	3.89	681	12	15,570	3.71	577	3-71		40	696	.03	29	45
31-16-0200	7317348	1308101	4-68	1	305	15,690	3.42	536	7	13,250	3.74	496	9-71		36	788	-.04	22	42
31-16-9125	7516503	1496750	12-69	1	305	26,070	3.66	955	13	16,440	3.62	595	1-72		34	1,003	.01	38	62
31-17-0005	6327166	1430162	6-65	4	305	18,847	4.04	761	11	15,252	3.80	580	7-71		42	567	.08	32	43
31-17-0005	7189203	1493686	11-68	1	305	20,430	3.22	658	7	16,410	3.55	582	3-71		35	743	.00	27	45
31-17-0013	7324299	1493686	1-69	2	305	20,910	4.13	863	13	15,495	3.56	551	2-72		40	962	.11	51	71
31-17-0013	7324300	1406271	1-69	1	305	21,670	3.59	779	19	15,780	3.83	605	11-71		36	857	.02	34	54
31-17-0013	7354704	1493686	1-69	2	305	19,620	3.17	621	8	15,650	3.46	542	4-72		40	816	-.02	27	47
31-17-0030	6080122	1138441	12-63	4	305	19,843	3.24	642	13	13,428	3.49	469	4-71		43	1,113	-.12	21	51
31-17-0500	5440411	1138441	7-61	5	301	18,636	3.90	726	36	14,974	3.65	547	12-71		44	807	-.03	24	44
31-17-0500	6183058	1237057	10-64	5	305	21,674	3.91	848	34	15,328	3.65	559	10-71		44	1,091	.02	42	67
31-17-0500	6895060	1406271	5-67	2	305	18,265	3.65	666	28	15,380	3.63	559	4-71		40	687	.04	31	46
31-17-0500	7116709	1513846	6-68	2	305	20,905	3.25	680	35	15,755	3.58	564	8-71		29	852	-.06	21	43
31-17-0500	7491210	1493686	9-69	1	305	19,150	3.51	673	42	15,960	3.68	588	9-71		35	677	.02	27	43
31-17-0700	6363042	1271810	1-65	5	296	17,934	3.56	638	15	14,086	3.63	511	4-71		44	775	-.04	22	42
31-17-0750	6365574	1271810	12-64	5	305	22,360	3.15	704	13	16,546	3.49	578	3-72		44	1,060	-.11	22	50
31-17-0750	7136605	1493686	7-68	2	301	19,095	3.57	681	10	16,700	3.46	578	2-72		40	666	.04	30	45
31-17-9200	7022487	1406271	12-67	2	299	21,890	3.63	794	7	16,910	3.57	603	7-71		40	915	.05	40	61
31-17-9200	7076908	1493686	11-67	3	303	19,016	3.75	714	9	16,273	3.61	587	11-71		42	727	.05	34	50
31-19-0002	6871034	1315578	3-67	3	305	23,303	3.46	806	5	17,260	3.39	585	4-71		42	884	.08	44	63
31-19-0002	7498588	1308101	9-69	1	305	24,510	3.22	790	5	17,720	3.34	592	8-71		36	1,145	-.05	34	63
31-19-0039	6820303	1308101	3-67	2	305	18,605	3.60	670	22	15,975	3.69	589	8-70		40	861	-.03	26	47
31-19-0039	7119731	1392858	8-68	2	305	20,900	4.04	845	22	17,005	3.69	627	11-71		40	613	.09	35	47
31-19-0039	7350709	1308101	4-69	1	305	20,730	3.63	753	17	16,020	3.62	580	7-71		36	978	-.02	32	56
31-19-0039	7350710	1308101	4-69	1	305	18,720	3.56	666	20	16,320	3.66	597	4-71		36	808	-.03	25	45
31-19-0039	7374355	1308101	6-69	1	305	19,100	3.90	745	27	17,600	3.77	663	9-71		36	750	-.01	26	44

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C O	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
31-19-0069	6853049	--1308101	8-67	3	295	16,293	3.23	526	10	12,830	3.52	452	11-71		42	939	-.06	25	$ 49
31-19-0080	7328778	1308101	3-69	1	305	19,720	3.32	655	9	14,970	3.65	547	10-71		36	973	-.05	27	52
31-19-0595	6621438	1406271	8-66	4	304	17,653	3.85	679	8	12,850	3.66	470	1-72		44	936	.06	43	64
31-19-0595	6822707	1432287	3-67	3	305	19,417	3.31	643	10	13,633	3.59	489	9-71		29	814	-.05	22	43
31-19-9697	6891590	1308101	7-67	3	288	21,476	3.12	671	10	15,246	3.70	564	1-72	B	42	1,285	-.10	30	64
31-19-9697	7101068	1438758	4-68	2	299	22,065	3.19	704	9	15,070	3.44	518	6-71		40	1,004	-.11	20	47
31-20-0350	7349164	1392858	10-68	2	305	18,200	3.84	698	5	13,945	3.81	531	12-71		40	618	.04	28	42
31-20-9026	6563720	1397868	1-66	4	305	19,445	3.80	738	23	14,330	3.82	547	6-71		35	675	.02	27	43
31-20-9026	7169932	1406271	11-67	2	305	17,085	4.18	715	36	13,805	3.85	532	6-71		40	711	.08	38	53
31-20-9026	7522585	1532672	8-69	1	303	21,130	3.71	784	22	14,550	3.79	551	12-71		22	697	.00	25	42
31-21-0029	7087688	1471305	1-67	2	305	23,595	3.55	837	15	15,205	3.66	556	7-71		25	1,072	-.02	36	62
31-21-0029	7303468	1338728	11-68	2	305	21,775	3.83	834	15	15,110	3.78	571	1-72		40	569	.11	37	48
31-21-0064	7221862	1493686	9-68	2	301	19,640	3.87	761	7	16,060	3.67	589	11-71		40	780	.06	37	54
31-21-0064	7221864	1406271	9-68	2	303	18,660	3.76	702	7	16,360	3.65	597	11-71		40	637	.05	31	45
31-22-0006	7196956	1487297	9-67	2	305	22,845	2.98	681	20	15,275	3.48	531	7-71		36	1,101	-.07	29	57
31-22-9002	7248461	1493686	9-68	2	305	19,580	2.76	540	21	14,660	3.35	491	1-72		40	903	-.06	24	47
31-22-9002	7273109	1493686	7-68	2	305	16,965	3.60	610	12	14,055	3.32	467	7-71		40	692	.05	33	48
31-22-9002	7363695	1493686	2-69	1	305	23,150	2.77	641	17	13,870	3.43	476	11-71		35	1,121	-.05	32	60
31-22-9028	7635163	1533824	5-69	1	305	19,930	3.75	747	20	12,390	3.56	441	11-71		19	698	.03	29	45
31-23-0009	7535455	1308101	10-69	1	305	18,370	3.38	621	20	16,000	3.78	604	12-71		36	803	-.05	21	42
31-23-0031	7016340	1371548	2-68	2	305	20,355	3.52	716	19	14,170	3.39	480	12-71		40	714	.01	27	44
31-23-0086	7524532	1392858	9-69	1	305	25,450	3.18	809	8	16,640	3.44	572	11-71		36	876	-.01	30	51
31-23-0091	7463249	1308101	6-69	1	294	17,860	3.53	630	29	14,540	3.73	543	12-71		36	863	-.04	25	47
31-23-0852	6793243	1315578	3-67	3	292	17,606	4.14	729	38	15,206	3.85	586	2-72		42	441	.13	35	42
31-23-0852	6888385	1308101	8-67	2	305	18,490	4.08	755	41	16,265	3.76	611	1-72		40	823	.02	33	52
31-23-0852	7014787	1308101	2-68	2	304	18,325	3.59	657	44	16,045	3.77	605	2-72		40	826	-.04	23	44
31-24-0006	6698562	1308101	8-66	2	305	22,405	3.23	724	12	14,905	3.60	537	12-71		40	1,345	-.07	37	71
31-24-0016	5825203	1199324	12-62	3	305	19,813	3.85	762	14	14,473	3.72	539	9-71		42	1,062	.02	41	66
31-26-0006	7119735	1493686	2-68	2	289	17,535	4.03	706	18	15,850	3.77	598	11-71		40	585	.07	31	43
31-26-0006	7154689	1237057	5-68	2	287	19,305	4.13	798	22	15,390	3.85	593	8-71		40	686	.01	26	42
31-26-0006	7154691	010288790	6-68	2	268	18,660	3.91	729	25	15,600	3.86	602	7-71		38	590	.08	33	45
31-26-0085	6851057	1308101	5-67	2	304	19,340	4.04	781	17	17,650	3.81	672	5-71		40	783	.01	30	48
31-26-0085	7109010	1315578	5-68	2	305	20,780	4.00	832	15	17,570	3.81	669	5-71		40	519	.12	36	45
31-26-0400	7323070	1308101	6-69	1	305	19,510	3.32	648	12	14,370	3.45	496	6-71		36	998	-.04	30	55
31-26-0850	7226925	1352979	11-68	2	305	20,160	4.13	833	14	16,025	3.96	635	11-71		40	730	-.02	24	42
31-26-9075	6499973	1315578	1-66	4	305	17,645	3.96	698	23	14,830	3.72	552	9-71		44	505	.12	36	45
31-26-9075	6581690	1315578	5-66	3	305	19,763	4.01	793	12	15,136	3.71	562	5-71		42	696	.13	45	58
31-26-9075	7581060	1450692	1-70	1	305	24,220	3.61	874	12	15,710	3.72	585	3-72		34	979	-.01	34	58
31-28-0002	6745679	1315578	9-66	4	302	19,660	3.92	771	14	16,587	3.75	622	1-72		44	558	.11	37	47
31-28-0012	5697834	1372516	8-62	8	301	18,626	3.66	682	9	14,651	3.55	520	3-72		35	653	.03	28	43
31-28-0012	6950505	1308101	10-67	3	298	18,446	3.46	638	9	15,516	3.61	560	10-71		42	908	-.04	26	49
31-28-0012	6950507	1308101	11-67	3	298	18,003	3.73	672	8	15,776	3.54	558	1-72		42	830	.00	30	50
31-28-0012	7105605	1308101	5-68	2	295	17,725	3.77	669	8	15,880	3.61	573	11-71		40	761	.00	28	47
31-28-0012	7177840	1308101	11-68	2	305	18,635	4.02	750	7	16,125	3.52	568	1-72		40	351	.03	36	55
31-28-0030	6460365	1308101	10-65	4	305	19,490	3.62	706	21	15,212	3.50	533	9-71		44	1,084	-.01	38	64
31-28-0030	6661603	1261857	8-66	3	304	18,100	3.75	679	18	15,490	3.54	549	5-71		42	704	.08	38	52
31-28-0030	6826544	1261857	2-67	3	305	18,823	4.00	753	18	15,473	3.55	550	5-71		42	789	.12	46	62
31-28-0047	6807965	1308101	10-66	2	305	19,370	3.77	731	8	14,895	3.82	569	1-71		40	1,038	-.02	34	59
31-28-0048	7579636	1427381	10-69	1	305	18,460	3.87	715	28	15,920	3.86	614	10-71		36	968	.05	42	64
31-28-0060	5467795	1300582	2-61	7	291	18,143	4.00	725	16	14,214	3.61	513	5-71		32	620	.08	34	47
31-28-0060	7500319	1427381	7-69	1	305	17,290	3.53	611	5	15,400	3.61	556	2-72		36	916	.03	38	59
31-28-0075	6535253	1460269	3-66	4	305	19,495	3.60	702	28	14,970	3.53	528	2-72		30	697	.01	27	43
31-28-0075	6974563	1308101	3-67	1	305	17,000	3.42	582	34	14,570	3.64	530	12-70		36	797	-.04	23	43
31-28-0801	6807965	1308101	9-66	2	294	17,280	3.62	625	15	13,990	3.67	514	10-71		40	908	-.02	29	51
31-29-0270	7787976	1308101	10-69	1	305	16,520	3.71	613	19	15,010	3.61	542	12-71		36	732	-.02	24	42
31-29-0660	6376575	1417208	6-65	4	288	18,020	3.62	652	18	15,240	3.65	557	2-71		44	718	.01	27	44
31-29-0660	7380288	1427381	10-68	2	293	17,880	4.06	726	16	16,245	3.50	568	12-71		40	906	.10	48	67
31-29-0660	7627908	1427381	10-69	1	278	22,530	3.71	835	12	16,730	3.44	576	10-71	H	36	1,217	.06	54	81
31-29-0660	7627909	1427381	11-69	1	305	18,680	3.73	696	16	16,140	3.49	564	1-72		36	970	.06	44	65
31-29-9029	6626401	1300855	3-66	4	305	18,760	3.49	654	20	13,655	3.63	495	4-72		35	797	-.03	24	44
31-29-9360	6405998	1182696	10-65	3	305	17,787	3.90	694	18	14,680	3.69	542	2-72		42	616	.05	30	43
31-30-0780	6636652	1308101	2-66	5	300	20,628	3.52	726	6	16,064	3.66	588	3-72		44	1,149	-.04	35	64
31-30-0780	7233543	1308101	9-68	2	305	19,400	3.59	697	7	15,570	3.73	581	12-71		40	979	-.03	30	54
31-31-0007	6823983	1315578	3-67	2	305	18,910	3.51	663	14	13,085	3.55	464	2-72		40	739	.08	38	54
31-31-0300	6776897	1308101	11-66	4	304	19,175	3.31	634	42	16,235	3.52	572	4-72		44	931	-.06	25	49
31-31-0300	6926978	1308101	8-67	3	305	19,973	3.40	679	52	15,826	3.54	560	1-72		42	1,052	-.04	31	57
31-31-0300	6926979	1308101	11-67	3	305	18,463	3.47	640	52	16,400	3.55	583	2-72		42	819	-.04	24	44
31-31-0300	7361195	1308101	4-69	1	305	21,000	3.49	733	51	16,320	3.50	571	6-71		36	978	-.03	31	55
31-31-0300	7361196	1308101	4-69	1	305	19,900	3.37	670	42	16,900	3.49	589	10-71		36	857	-.04	25	46
31-31-0300	7361197	1308101	5-69	1	305	18,450	3.55	655	51	16,320	3.50	571	6-71		36	788	-.02	25	44
31-32-9012	6817088	1406271	1-67	3	305	18,890	3.83	723	13	16,677	3.73	622	12-71		42	652	.05	31	45
31-32-9012	7068834	1406271	1-68	2	305	20,985	3.88	815	12	16,845	3.80	640	12-71		40	829	.05	38	56
31-32-9012	7357917	1450228	1-69	1	305	24,290	3.56	864	11	16,910	3.73	631	2-71		35	1,163	-.04	35	64
31-32-9012	7357918	1450228	1-69	2	305	20,190	3.57	721	12	17,190	3.67	631	1-72		39	883	-.04	26	48
31-32-9048	7425823	1478014	1-69	1	305	19,900	3.68	733	16	14,350	3.76	539	2-71		35	691	.03	29	45
31-32-9048	7425825	1493686	3-69	1	305	17,420	3.85	671	12	15,320	3.67	563	4-71		35	590	.05	29	42
31-32-9690	6901736	1490188	8-67	3	305	19,137	3.56	681	16	14,230	3.53	503	9-71		29	697	.00	25	42
31-32-9690	6993300	1406271	11-67	3	305	20,477	4.10	839	17	14,320	3.55	508	11-71		42	1,078	.11	56	79
31-32-9690	7380297	1493686	2-69	1	305	18,260	3.81	695	20	14,330	3.55	509	9-71		35	721	.05	34	50
31-33-9026	8005323	1427381	3-70	1	305	27,340	3.62	989	16	17,730	3.44	610	12-71		36	1,508	.05	63	97
31-34-0004	5793998	1400635	1-63	5	305	17,278	3.66	633	13	13,584	3.45	468	1-72		35	621	.04	28	42
31-34-0012	6947977	1315578	7-67	3	296	17,356	3.39	588	30	13,853	3.41	473	11-71		42	552	.07	31	42
31-34-0023	5189422	1112211	7-59	6	305	19,542	3.68	720	7	15,423	3.66	565	2-71		44	896	-.02	30	52
31-34-0023	6912378	1308101	2-67	3	263	22,820	3.15	719	6	16,896	3.75	633	2-72		42	1,268	-.11	28	61
31-34-0023	6912382	1288534	12-66	3	291	23,380	3.39	793	10	16,087	3.67	591	8-71		42	971	-.03	30	54

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C O	REPT (%)	.......C O W MILK (LB)	I N D E X....... FAT (%)	FAT (LB)	DOL-LARS
31-34-0054	7389612	1406271	9-69	1	305	22,940	3.57	819	8	13,410	3.59	481	11-71		36	1,111	.03	45	$ 71
31-34-9024	7215673	1308101	8-68	1	305	22,180	3.55	787	22	17,500	3.71	649	4-71		36	987	-.04	30	55
31-34-9024	7215676	1493686	11-68	1	305	21,230	3.50	742	18	17,820	3.67	654	5-71		35	708	.02	28	44
31-35-0018	7514248	1527171	2-69	2	305	21,485	3.71	797	11	15,055	3.83	577	1-72		25	822	.00	29	49
31-35-0018	7542700	1527171	1-70	1	305	22,880	3.65	836	9	15,270	3.85	588	2-72		19	732	-.01	25	43
31-35-0018	7542704	1493686	1-70	1	305	20,160	3.61	728	13	16,350	3.85	629	1-72		35	727	.02	29	46
31-35-0018	7542705	1493686	1-70	1	291	19,630	3.74	735	13	16,350	3.85	629	1-72	H	35	687	.03	29	45
31-35-0026	6598207	1308101	7-66	4	302	15,622	3.60	563	10	13,357	3.58	478	8-71		44	812	-.02	26	46
31-35-0026	6663765	1308101	11-66	4	305	19,152	3.55	679	10	13,907	3.70	514	12-71		44	1,187	-.04	37	66
31-35-0026	6770086	1308101	4-67	4	285	17,462	3.44	600	12	15,297	3.64	557	12-71		44	824	-.05	22	43
31-35-0026	6826587	1308101	4-67	3	305	17,620	3.60	635	11	13,963	3.62	505	8-71		42	974	-.02	32	56
31-35-0026	7005774	1308101	2-68	2	305	19,380	3.55	688	10	16,100	3.58	577	3-71		40	929	-.03	29	52
31-35-0026	7164601	1308101	8-68	2	285	16,365	3.83	627	9	14,630	3.79	554	10-71		40	757	-.02	25	43
31-35-0026	7318343	1308101	4-69	1	296	18,300	3.77	689	9	13,610	3.69	502	6-71		36	958	-.01	33	56
31-35-0026	7439093	1308101	8-69	1	305	18,250	3.72	678	11	15,050	3.79	571	2-72		36	858	-.03	27	48
31-35-9024	5899794	1355784	8-63	6	305	19,980	3.56	711	15	16,541	3.80	628	2-71		44	926	-.09	20	44
31-35-9024	6504641	1406271	2-66	4	273	18,908	3.59	679	16	16,078	3.84	617	11-71	B	44	733	.00	27	44
31-35-9024	7392754	1447141	8-69	1	305	18,020	4.07	734	16	13,220	4.02	531	9-71		36	592	.07	32	44
31-36-0009	6983434	1308101	11-67	2	305	18,055	3.74	675	21	15,050	3.83	576	3-72		40	890	-.03	28	50
31-36-0009	7112540	1308101	6-68	2	298	19,460	3.41	663	26	15,265	3.81	582	1-72		40	1,013	-.07	26	52
31-36-0012	6447002	1315578	8-65	4	302	16,777	4.04	677	16	14,285	3.70	529	3-72		44	458	.13	36	43
31-36-0036	7240492	1458744	7-68	1	300	21,010	2.69	565	10	12,210	3.29	402	1-71		36	1,118	-.08	28	57
31-36-0640	7433956	1308101	5-69	1	305	18,460	3.50	646	24	16,040	3.68	591	5-71		36	807	-.04	23	43
31-36-0640	7438516	1308101	8-69	1	305	20,360	3.27	665	33	15,710	3.52	553	9-71		36	971	-.05	27	52
31-36-9002	7491457	1427381	9-69	1	299	17,660	3.35	592	40	14,260	3.53	503	9-71		36	1,020	.02	40	64
31-38-0017	7307655	1496958	2-68	2	302	21,275	3.39	722	17	14,795	3.56	527	5-71		29	807	-.02	26	46
31-38-0061	7177927	1406271	1-67	3	294	15,607	4.19	654	11	14,000	3.81	534	5-71		42	551	.08	32	43
31-38-0076	6382240	1406271	4-65	4	305	16,328	3.41	556	16	13,440	3.36	451	3-71		44	707	.03	30	46
31-38-0076	6964292	1406271	7-67	3	305	18,530	2.88	534	22	12,407	3.34	414	2-72		42	1,052	-.04	31	57
31-38-0079	7312141	1427381	12-68	1	305	19,540	4.02	786	13	14,530	3.68	534	5-71		36	1,142	.08	53	78
31-38-0079	7312142	1427381	12-68	1	305	17,750	3.99	709	18	14,380	3.70	532	1-71		36	1,018	.07	47	69
31-38-0107	7192348	1458744	1-68	2	305	18,955	3.55	673	21	13,895	3.89	541	12-71		40	958	-.04	29	53
31-38-0143	7593516	1493686	10-68	1	305	20,150	3.76	758	11	14,720	3.51	516	5-71		35	837	.06	39	57
31-38-9035	4851812	1060259	1-59	9	304	21,097	3.79	799	14	14,400	3.58	516	1-72		44	1,176	.01	44	72
31-39-0047	7564215	010276164	11-63	1	305	22,890	3.11	711	38	15,570	3.29	512	10-71		30	857	-.03	26	47
31-39-0067	6899394	1330987	9-67	1	305	17,900	4.24	759	21	12,380	3.77	467	9-71		36	714	.08	38	53
31-39-0067	7407382	1493686	7-69	1	305	19,310	3.51	678	12	14,750	3.82	564	1-72		35	771	.01	29	47
31-39-0140	5996195	1406271	12-63	5	299	17,078	4.30	734	22	15,404	3.62	558	12-71		44	586	.13	41	51
31-39-0140	6355789	1355784	3-65	5	305	20,590	3.34	687	26	14,576	3.75	547	9-71		44	1,236	-.12	26	59
31-39-0140	6593668	1406271	2-66	3	303	18,417	4.05	745	22	16,243	3.55	576	2-71		42	642	.10	38	51
31-39-0140	6902448	1406271	10-67	2	305	16,875	3.91	659	24	14,265	3.74	534	9-71		40	647	.06	32	46
31-39-0140	7144855	1493686	7-68	1	305	18,890	3.84	725	19	15,450	3.72	574	4-71		35	692	.05	32	47
31-39-0140	7263936	1493686	10-68	1	305	19,290	3.79	731	19	15,450	3.72	574	4-71		35	722	.05	33	49
31-39-0140	7263937	1493686	2-69	1	305	19,330	4.10	793	29	14,400	3.76	542	6-71		35	797	.07	39	56
31-39-0280	7220058	1447141	12-68	2	298	21,060	3.38	711	15	16,640	3.55	591	1-72		40	700	.02	29	45
31-39-0395	6089950	1355784	2-64	1	305	21,450	3.12	669	35	16,340	3.40	556	3-71		35	915	-.10	17	42
31-39-0395	6457795	1406271	10-65	4	305	19,003	3.39	644	27	15,525	3.59	557	2-71		44	806	.00	29	48
31-39-0395	6699353	1406271	11-66	4	304	17,825	3.60	641	24	15,748	3.48	548	2-72		44	636	.05	30	44
31-39-0395	6699354	1406271	11-66	3	302	17,523	3.59	629	36	14,593	3.54	516	8-71		42	710	.04	31	47
31-39-0395	6753991	1406271	8-66	2	305	17,910	3.37	603	31	15,475	3.35	519	1-72		40	642	.03	28	42
31-39-0395	6753995	1406271	10-66	3	301	18,357	3.32	610	30	15,730	3.46	544	2-72		42	688	.01	26	42
31-39-0395	6879088	1406271	7-67	2	305	19,845	3.59	712	33	15,370	3.47	534	2-71		40	848	.05	38	57
31-39-0395	6879091	1355784	6-67	3	303	20,160	3.33	671	43	16,063	3.48	559	1-72		42	964	-.09	21	46
31-39-0395	6884241	1406271	10-67	2	305	17,675	3.42	605	32	15,175	3.53	535	8-71		40	645	.02	27	42
31-39-0395	6984618	1406271	10-67	2	305	19,590	3.55	695	31	15,615	3.61	564	1-71		40	800	.03	33	51
31-39-0395	6997748	1406271	3-67	2	298	18,890	3.66	692	29	15,805	3.49	551	6-71		40	711	.06	34	49
31-39-0395	7023361	1487393	7-67	2	305	22,495	3.15	708	55	15,090	3.42	516	12-71		25	946	-.06	25	49
31-39-0395	7151214	1406271	5-68	1	305	20,670	3.21	663	31	15,930	3.38	538	4-71		36	773	.01	30	48
31-39-0395	7151215	1406271	6-68	2	305	20,330	3.46	704	38	14,930	3.39	506	1-72		40	937	.03	39	60
31-39-0395	7378347	1406271	5-69	1	305	21,710	3.04	661	42	16,050	3.21	515	12-71		36	842	.00	31	51
31-39-0395	7378348	1406271	6-69	1	305	20,360	3.12	636	47	15,510	3.28	508	10-71		36	778	.01	30	48
31-39-0860	6927894	1406271	9-67	2	305	17,060	3.31	565	8	13,000	3.56	463	12-71		40	782	.01	29	47
31-39-0860	7460257	1406271	1-69	2	305	17,475	3.45	603	8	13,100	3.54	464	1-72		40	815	.02	33	52
31-39-9062	7922985	010288790	3-67	1	305	22,470	3.57	802	13	18,080	3.46	625	1-72		33	642	.07	34	47
31-41-0007	6715979	1308101	9-66	2	295	18,700	3.20	598	12	15,720	3.50	550	11-70		40	894	-.06	23	46
31-41-0700	6691081	1308101	9-66	4	296	19,407	3.49	677	11	15,055	3.59	541	3-72		44	1,091	-.04	33	60
31-41-0700	6926260	1308101	12-67	2	305	16,305	3.52	574	9	13,535	3.61	488	7-71		40	851	-.03	26	47
31-41-0700	6926261	1308101	12-67	2	305	21,210	3.15	668	9	13,535	3.61	488	7-71		40	1,349	-.09	35	70
31-41-0700	7066497	1308101	4-68	2	305	18,090	3.31	599	21	15,005	3.53	529	10-71		40	898	-.05	25	48
31-41-0700	7251863	1308101	7-68	2	305	19,610	3.47	680	20	14,880	3.55	528	10-71		40	1,063	-.03	33	59
31-42-0025	5881942	1405498	8-63	5	305	21,034	3.67	771	26	16,470	3.63	598	10-71		35	731	.00	27	44
31-42-0025	6424829	1406271	12-65	4	293	20,275	4.04	819	44	15,763	3.67	579	12-71		44	936	.09	48	68
31-42-0025	7209405	1386406	11-68	2	285	20,040	3.85	772	40	16,565	3.61	598	8-71		40	618	.05	30	43
31-42-0025	7429021	1493686	8-69	1	305	18,470	4.17	770	46	16,860	3.64	613	10-71		35	564	.08	33	44
31-42-0025	7429030	1427381	11-69	1	298	19,350	3.66	708	41	16,710	3.64	608	9-71		36	981	.04	42	64
31-42-0041	6791783	1406271	2-67	2	305	20,650	3.65	753	11	14,975	3.57	535	3-71		40	966	.05	42	64
31-42-0041	6921775	1493686	10-67	2	305	19,390	3.37	653	14	16,210	3.44	558	5-71		40	741	.02	29	46
31-42-0082	6822394	1355784	3-67	1	305	23,190	3.30	765	14	15,000	3.71	556	2-71		35	1,137	-.11	24	54
31-42-0082	6822395	1355784	3-67	2	305	23,065	3.36	776	9	14,080	3.67	517	11-71		40	1,396	-.10	34	70
31-42-0082	7069150	1355784	11-67	3	303	20,010	3.28	657	14	15,983	3.52	562	3-72		42	954	-.10	19	44
31-42-0086	7638932	1427381	12-69	1	305	21,620	3.98	861	13	15,790	3.74	591	12-71		36	1,212	.07	54	81
31-42-0108	7478764	1427381	7-69	1	305	21,490	3.76	807	14	17,290	3.48	602	9-71		36	1,102	.07	50	74
31-42-0117	7208995	1387978	9-68	1	305	18,470	3.06	566	6	12,060	3.54	427	11-70		36	889	-.05	24	47
31-42-9062	6083060	1380382	1-64	5	305	21,548	3.42	737	16	16,646	3.64	606	2-71		35	1,008	-.07	26	52
31-42-9062	6819854	1462798	9-66	4	305	21,670	3.61	782	12	17,310	3.68	637	1-72		35	721	-.01	25	42

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C D	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
31-42-9062	6851247	1406271	2-67	3	304	21,573	3.49	752	20	16,763	3.66	614	12-71		42	951	.00	35	$ 58
31-42-9062	7482357	1418927	11-69	1	305	23,280	3.71	864	5	15,490	3.70	573	4-72		35	734	.02	29	46
31-42-9076	5562998	1370445	5-62	6	305	20,157	3.12	629	24	15,300	3.42	523	4-71		34	991	-.09	22	48
31-42-9076	5932745	1370445	9-63	6	305	20,082	3.19	640	37	15,035	3.46	520	11-71		34	1,016	-.08	24	50
31-42-9076	6425198	1406271	1-65	5	302	15,192	3.76	571	32	13,268	3.52	467	3-72		44	591	.06	31	43
31-42-9076	7330080	1386406	11-68	1	305	20,180	3.49	705	87	14,390	3.62	521	8-71		36	690	.01	26	42
31-42-9076	7426507	1447141	4-69	1	305	21,660	4.03	872	59	15,730	3.43	540	3-72		36	695	.11	42	55
31-42-9076	7426508	1447141	9-69	1	305	18,790	4.07	764	53	15,700	3.41	535	4-72		36	483	.11	34	43
31-42-9105	6379145	1438285	2-65	5	301	16,674	3.49	582	15	14,028	3.56	500	4-72		39	775	-.03	23	42
31-42-9105	6590701	1406271	6-66	4	305	17,628	3.47	612	27	13,683	3.47	475	1-72		44	841	.02	34	53
31-42-9105	7054304	1493686	4-68	2	305	18,450	3.52	650	44	13,205	3.53	466	7-71		40	921	.02	37	58
31-42-9105	7054306	1406271	4-68	2	295	18,075	3.18	575	39	13,640	3.53	481	6-71		40	826	-.01	28	48
31-42-9105	7172921	1493686	7-68	1	305	18,490	3.30	611	19	12,200	3.56	434	10-70		35	883	.01	33	54
31-42-9105	7298662	1406271	1-69	1	305	22,290	3.13	698	36	14,870	3.46	514	4-71		36	965	-.01	34	57
31-42-9105	7298665	1447141	2-69	2	301	18,740	3.48	652	30	14,620	3.46	506	4-72		40	649	.05	31	45
31-44-0007	7454793	1261857	6-69	1	305	16,040	3.98	638	34	12,050	3.78	455	9-71		36	711	.08	37	52
31-44-0007	7454794	1261857	8-69	1	276	15,620	3.81	595	34	12,050	3.78	455	9-71		36	679	.06	34	48
31-45-0045	6533739	1308101	3-66	4	304	18,230	3.66	667	8	14,305	3.61	516	10-71		44	1,029	-.01	35	60
31-45-0045	6929353	1308101	8-67	3	298	17,200	3.72	639	9	15,286	3.77	577	1-72		42	789	-.02	25	44
31-45-0045	6996745	1493686	1-68	2	305	18,310	3.41	624	13	14,725	3.57	526	8-71		40	767	.01	29	47
31-45-0045	7468835	1406271	9-69	1	305	18,350	4.02	737	8	15,710	3.76	591	12-71		36	615	.07	32	45
31-45-0086	6762265	1315578	11-66	3	297	18,003	3.79	683	16	15,000	3.68	552	11-71		42	508	.10	33	42
31-45-0086	6932816	1315578	8-67	3	305	20,383	3.69	752	14	15,080	3.65	550	3-72		42	774	.09	41	57
31-45-0513	7326617	1308101	1-69	2	304	18,990	3.70	703	10	17,205	3.72	640	2-72		40	788	-.02	25	44
31-45-0513	7562294	1308101	1-70	1	299	19,420	3.69	717	16	17,360	3.75	651	1-72		36	790	-.02	25	44
31-45-9603	6890113	1321904	5-67	2	305	19,615	3.78	742	42	13,605	3.97	540	1-72		40	763	.00	27	45
31-46-0006	7326179	1493686	7-68	1	305	17,450	3.88	677	18	14,160	3.57	505	8-71		35	671	.06	33	47
31-46-0010	6728038	1406271	10-66	4	304	19,505	4.15	809	25	15,623	3.62	566	1-72		44	857	.12	49	66
31-46-0042	7544624	1406271	10-69	1	305	20,090	3.29	661	65	16,220	3.50	567	10-71		36	710	.02	28	44
31-46-0042	7625430	1406271	12-69	1	305	19,160	3.91	750	55	16,530	3.51	581	12-71		36	620	.07	33	46
31-46-0042	7625431	1493686	10-69	1	305	23,290	3.28	764	78	16,260	3.51	571	10-71		35	969	.00	35	58
31-46-0042	7654140	1493686	12-69	1	305	20,770	3.63	753	65	16,530	3.53	584	12-71		35	761	.04	34	51
31-46-0112	7054072	1493686	2-68	1	305	19,070	3.79	723	15	15,290	3.73	571	9-70		35	716	.04	32	48
31-46-0112	7121694	1472722	7-68	1	305	22,010	3.95	869	8	15,870	3.59	569	6-71		24	770	.09	41	57
31-46-0112	7185117	1493686	11-68	1	305	20,920	3.39	710	12	15,010	3.66	550	11-71		35	875	.01	33	54
31-46-0112	7533490	1493686	10-69	1	305	17,830	3.95	705	16	15,610	3.69	576	12-71		35	601	.06	31	44
31-46-0153	7470713	1447141	11-69	1	305	19,810	4.16	825	6	14,460	3.92	567	1-72		36	642	.09	36	49
31-46-0155	6694228	1261857	9-66	3	302	16,927	3.66	620	14	12,980	3.60	467	7-71		42	829	.06	39	57
31-46-0155	7371762	1427381	6-69	1	284	15,740	3.52	554	23	13,880	3.63	504	9-71		36	902	.03	37	58
31-46-0155	7460942	1522447	8-69	1	305	21,390	3.62	775	12	13,400	3.69	494	1-72		27	728	.01	28	45
31-46-0480	6390675	1406271	9-65	3	305	22,180	3.80	842	15	15,127	3.76	569	5-71		42	1,190	.05	50	77
31-46-0630	5573005	1138441	5-61	6	303	22,058	3.38	746	16	17,097	3.73	637	10-71		44	1,004	-.13	16	44
31-46-0630	6510875	1406271	2-66	4	305	19,083	4.04	771	15	17,178	3.74	643	2-72		44	632	.08	35	48
31-46-0630	7293648	1493686	10-67	2	305	19,730	4.41	870	30	16,295	3.76	613	7-71		40	768	.12	46	61
31-46-0810	6627163	1406271	10-66	3	305	17,577	3.48	612	41	14,187	3.57	507	8-71		42	758	.02	30	48
31-46-0810	6643944	1406271	11-66	3	305	17,773	3.66	650	53	14,280	3.59	512	9-71		42	771	.04	34	51
31-46-0810	6718598	1472722	8-66	4	305	16,775	3.77	633	44	14,075	3.61	508	4-72		35	566	.06	30	42
31-46-0810	6718599	1472722	9-66	4	305	18,022	4.05	730	41	14,530	3.60	523	2-72		35	686	.11	42	55
31-46-0810	6959349	1493686	1-68	2	305	18,425	3.33	613	46	14,990	3.61	541	1-71		40	755	-.01	26	44
31-46-9079	7241259	1447141	11-68	2	305	20,470	3.61	739	23	17,380	3.48	604	12-71		40	572	.06	30	42
31-46-9079	7351841	1493686	11-68	2	305	20,950	3.42	716	23	17,300	3.48	602	11-71		40	800	.01	31	50
31-46-9079	7351847	1323989	1-69	2	305	25,680	2.95	757	20	17,895	3.40	608	1-72		39	894	-.09	18	42
31-46-9130	5679640	1199324	10-62	7	305	18,449	3.22	594	18	14,623	3.72	544	5-71		44	927	-.08	21	45
31-46-9130	7566835	1355784	11-69	1	305	20,940	3.53	740	12	16,120	3.64	587	3-72		35	891	-.08	20	43
31-47-0001	6753945	1330987	3-66	3	305	17,937	3.70	663	6	14,290	3.88	554	7-71		42	707	.02	28	44
31-47-0035	6225291	1261857	7-64	4	305	17,058	3.74	638	7	14,688	3.61	530	1-71		44	679	.07	35	49
31-47-0035	6859356	1261857	3-67	2	305	19,320	3.71	717	12	13,790	3.62	499	2-71		40	960	.07	45	66
31-47-0036	6999738	1406271	5-66	3	305	16,040	4.09	656	12	13,643	3.80	519	7-71		42	638	.07	34	47
31-47-0048	7239615	1406271	10-68	1	288	20,660	3.70	764	20	17,460	3.85	673	10-71		36	670	.03	28	43
31-47-0048	7239616	1493686	11-68	1	305	20,200	4.17	843	18	17,300	3.83	663	9-71		35	665	.07	35	49
31-47-0064	7324069	1406271	2-68	3	305	17,200	3.98	684	22	14,787	3.71	548	2-72		42	653	.07	34	46
31-47-0076	7062398	1493686	2-68	2	305	17,190	3.76	646	17	15,025	3.69	554	7-71		40	626	.04	29	43
31-47-0144	7255175	1367353	7-68	2	305	22,175	3.91	868	32	15,060	4.07	613	1-72		40	792	.03	33	51
31-47-0252	6772545	1458744	9-66	4	305	25,842	3.01	777	19	16,767	3.54	594	2-72		44	1,575	-.12	38	79
31-47-0252	6910858	1458744	11-67	2	305	25,640	3.31	848	24	16,505	3.65	602	4-71		40	1,398	-.06	41	76
31-47-0252	7557633	1427381	11-69	1	305	19,670	3.85	758	34	17,420	3.61	629	12-71		36	957	.06	44	65
31-47-0252	7557636	1398216	11-69	1	305	25,110	3.10	778	33	17,050	3.62	618	1-72		36	986	-.11	19	45
31-47-0252	7748016	1427381	11-69	1	305	19,940	3.84	766	34	17,420	3.61	629	12-71		36	978	.06	45	67
31-47-0432	6659201	1406271	11-66	4	301	17,890	3.76	672	21	14,805	3.67	543	3-72		44	748	.05	34	51
31-47-0432	6775494	1272863	3-67	3	305	22,143	3.25	720	18	14,423	3.52	508	9-71		41	1,106	-.06	30	58
31-47-0432	7205626	1355784	5-68	2	305	23,750	3.38	802	16	15,090	3.66	553	10-71		40	1,373	-.10	34	69
31-47-0432	7205630	1493686	12-68	1	305	18,350	4.26	782	25	13,340	3.62	483	5-71		35	795	.09	43	59
31-47-0432	7517914	1499501	2-69	1	305	20,190	4.10	828	19	14,760	3.90	575	3-72		32	694	.05	33	48
31-47-0816	6394402	1406271	2-65	4	305	19,428	4.00	777	36	15,895	3.46	550	2-71		44	817	.11	46	62
31-47-0816	7324068	1406271	1-68	3	305	21,570	3.09	666	34	16,067	3.54	569	4-72		42	1,023	-.04	30	56
31-47-0816	7735119	1406271	8-69	1	305	20,040	3.43	688	42	15,160	3.61	547	12-71		36	778	.02	31	49
31-47-9004	6422936	1336050	9-65	4	305	17,460	3.97	693	34	14,440	3.88	560	10-71		44	783	.02	32	50
31-47-9004	6998556	1493686	9-67	2	305	17,125	4.17	714	33	14,360	3.82	549	5-71		40	680	.08	36	50
31-47-9004	7232775	1493686	11-68	1	305	22,340	4.38	979	39	16,560	3.99	661	12-71		35	877	.09	45	63
31-47-9004	7498045	1427381	10-69	1	305	20,670	4.14	855	37	16,600	4.00	664	12-71		36	1,087	.06	49	73
31-47-9009	6850968	1493686	6-67	2	304	15,960	3.40	542	9	11,165	3.82	426	2-71		40	854	-.01	30	50
31-47-9009	7026355	1493686	4-68	2	305	16,840	3.63	611	6	12,375	3.71	459	1-72		40	833	.03	34	53
31-47-9009	7194635	1493686	12-68	2	299	16,515	4.11	678	5	13,435	3.82	513	3-72		40	703	.07	36	51
31-47-9071	5770959	1382667	2-63	6	305	17,005	3.85	655	32	12,653	3.48	440	12-71		35	754	.04	34	51
31-47-9084	6687345	1458744	12-66	3	304	19,003	3.78	718	38	14,543	3.79	551	1-72		42	949	.00	34	57

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C O	REPT (%)	.......C O W MILK (LB)	I N D E X....... FAT (%)	FAT (LB)	DOL-LARS
31-47-9084	7190153	1458744	10-68	2	305	17,875	3.94	705	39	14,225	3.85	547	11-71		40	818	.02	32	$ 51
31-47-9150	6636112	1406271	10-66	4	304	16,258	3.75	610	18	13,673	3.74	511	10-71		44	673	.04	30	45
31-47-9150	6636113	1406271	10-66	3	300	18,327	4.13	756	20	13,590	3.66	498	9-71		42	906	.10	48	67
31-47-9150	6753092	1406271	11-66	4	301	16,595	3.89	646	21	14,600	3.69	539	2-72		44	611	.06	31	44
31-47-9150	6753095	--1406271	3-67	2	305	18,195	4.08	742	20	14,055	3.69	518	2-71		40	801	.09	42	59
31-47-9150	6794689	1406271	7-66	4	305	19,863	3.66	727	18	14,628	3.62	530	3-72		44	1,012	.04	42	65
31-47-9150	6941931	1406271	10-67	2	305	17,815	4.23	754	18	13,595	3.69	501	5-71		40	804	.11	45	61
31-47-9150	6941932	1406271	10-67	2	305	20,230	3.68	744	11	13,680	3.66	501	4-71		40	1,041	.04	44	68
31-47-9150	6941934	1406271	11-67	2	305	18,120	3.90	707	20	14,055	3.69	518	2-71		40	793	.07	39	56
31-47-9150	6941939	1406271	1-68	2	305	16,885	3.30	558	14	13,465	3.56	480	4-71		40	721	.01	27	44
31-47-9150	7077061	1406271	4-68	2	305	19,230	3.66	703	14	13,280	3.61	479	5-71		40	976	.04	42	64
31-47-9150	7077063	1406271	5-68	2	305	20,225	3.72	753	16	13,840	3.70	512	12-71		40	1,026	.05	44	67
31-47-9150	7132867	1406271	9-67	2	305	16,730	3.91	654	16	13,925	3.73	519	12-71		40	664	.06	33	47
31-47-9150	7183057	1406271	6-68	2	305	16,370	3.95	646	16	14,150	3.74	529	12-71		40	607	.06	31	44
31-47-9150	7183060	1406271	10-68	2	303	16,235	4.10	666	15	14,135	3.76	531	12-71		40	594	.08	33	45
31-47-9150	7224001	1406271	12-68	1	305	18,740	3.39	636	27	13,890	3.76	522	1-71		36	766	.01	29	47
31-47-9150	7244811	1406271	12-68	2	302	18,975	4.03	765	15	14,135	3.76	531	12-71		40	872	.08	43	62
31-47-9150	7244812	1406271	12-68	1	305	17,480	4.18	731	9	12,960	3.56	461	4-71		36	734	.09	40	55
31-47-9150	7244814	1406271	12-68	1	305	17,960	4.11	738	10	13,460	3.87	521	6-71		36	737	.06	36	52
31-47-9150	7244815	1406271	1-69	1	305	18,800	3.53	663	9	12,960	3.56	461	4-71		36	833	.03	35	54
31-47-9150	7244816	1406271	1-69	2	303	17,555	3.96	696	16	13,880	3.78	525	11-71		40	752	.07	37	53
31-47-9150	7244818	1406271	1-69	1	305	17,230	4.17	719	20	14,860	3.90	580	10-71		36	588	.07	31	43
31-47-9150	7244820	1406271	3-69	1	305	15,900	4.26	677	14	13,670	3.94	538	8-71		36	569	.07	31	43
31-47-9150	7407290	1406271	6-69	1	304	17,770	3.90	693	14	13,670	3.94	538	8-71		36	708	.04	32	48
31-47-9150	7407291	1406271	6-69	1	305	22,690	3.80	863	20	14,860	3.90	580	10-71		36	995	.04	42	65
31-47-9150	7407295	1406271	9-69	1	275	17,870	3.83	685	20	15,010	3.86	579	11-71		36	626	.04	29	43
31-47-9150	7499944	1493686	11-69	1	305	17,770	4.14	735	51	15,450	3.99	616	11-71		35	607	.05	30	43
31-47-9624	6925493	1301864	7-67	2	305	19,830	3.99	792	22	14,815	3.74	554	6-71		40	590	.06	30	42
31-47-9624	7464233	1387978	10-69	1	305	18,000	4.02	723	26	15,140	3.66	554	10-71		36	648	.02	27	42
31-47-9708	7207049	1447141	11-68	1	305	20,270	3.78	767	13	14,040	3.90	548	12-70		36	704	.05	33	48
31-47-9708	7207050	1493686	9-68	2	303	19,330	3.74	723	11	15,085	4.05	611	2-72		40	838	.01	31	51
31-47-9708	7305607	1447141	3-69	1	305	20,420	4.57	934	11	16,300	3.99	650	1-72		36	564	.12	39	49
31-47-9792	6878010	1268294	4-67	2	305	16,815	3.65	614	16	10,910	3.49	381	6-71		40	801	-.01	27	46
31-49-0007	5695440	1312792	8-61	7	305	18,786	3.56	669	13	13,931	3.80	529	6-71		36	842	-.05	22	44
31-49-0007	6802474	1406271	4-67	3	296	19,187	4.14	794	36	15,663	3.88	608	11-71		42	791	.08	41	56
31-49-9033	4603162	1168837	5-58	9	305	22,429	3.87	868	79	16,308	3.73	608	9-71		36	1,011	.07	47	69
31-49-9033	6389791	1441111	10-65	5	303	22,140	3.97	878	76	17,812	3.74	666	3-72		36	566	.06	30	42
31-49-9033	7024910	1466380	2-68	2	297	23,490	3.58	841	93	17,665	3.74	661	5-71		30	952	-.04	28	52
31-49-9063	5367135	1176259	1-61	8	305	22,428	3.62	813	8	18,058	3.68	665	9-71		36	785	-.01	27	46
31-49-9063	5367135	1142734	2-61	6	302	23,593	3.73	879	8	17,785	3.68	655	2-71		44	641	.05	31	45
31-49-9070	6668646	1308101	3-66	4	295	17,915	3.90	698	30	16,390	3.87	635	11-71		44	758	-.01	26	44
31-49-9070	6863991	1308101	8-67	3	298	20,290	3.88	788	31	17,043	3.88	662	12-71		42	962	-.01	33	56
31-49-9070	6866299	1308101	8-67	3	302	21,053	3.68	774	31	16,596	3.89	645	11-71		42	1,096	-.04	33	6[illegible]
31-49-9070	6947155	1308101	9-67	3	305	18,786	3.78	710	32	17,076	3.85	658	2-72		42	786	-.03	24	43
31-49-9070	7035171	1308101	12-67	2	305	21,790	3.68	802	35	16,775	3.83	642	1-71		40	1,111	-.03	35	62
31-49-9070	7202309	1308101	10-68	1	305	21,060	3.60	758	27	17,320	3.81	660	3-71		36	915	-.04	27	5[illegible]
31-49-9070	7377018	1392858	8-69	1	305	22,500	4.09	921	35	17,030	3.98	677	11-71		36	630	.06	31	45
31-49-9071	5560249	1199324	1-62	3	305	22,003	3.80	837	24	16,747	3.64	610	3-71		42	1,078	.02	42	67
31-49-9071	6162678	1434711	9-64	5	299	19,716	4.00	788	24	16,132	3.70	597	10-71		32	596	.07	32	44
31-49-9071	6611298	1308101	9-66	4	301	21,100	3.67	775	24	17,142	3.74	641	2-72		44	1,068	-.03	34	6[illegible]
31-49-9071	7104468	1308101	7-68	2	305	20,780	3.49	725	37	16,875	3.83	646	1-72		40	1,000	-.06	27	52
31-49-9071	7135216	1308101	9-68	2	305	21,205	3.50	743	21	16,200	3.79	614	3-72		40	1,105	-.06	31	59
31-49-9071	7184734	1308101	9-68	1	297	19,450	3.68	716	33	16,400	3.76	617	9-70		36	857	-.03	27	48
31-49-9071	7184735	1308101	10-68	1	305	18,410	3.55	654	34	15,290	3.87	592	7-71		36	854	-.04	24	46
31-51-0001	6244981	1406271	12-64	4	304	17,955	3.42	614	7	14,903	3.63	541	2-71		44	745	.00	27	45
31-51-0001	7205670	1406271	7-68	1	305	18,790	3.62	681	5	15,420	3.57	550	6-71		36	667	.04	30	45
31-51-0001	7205671	1406271	8-68	2	301	17,165	3.72	638	9	14,655	3.74	548	8-71		40	641	.04	29	43
31-51-0001	7586033	1447141	9-69	1	305	19,910	3.58	712	7	15,790	3.43	542	2-72		36	560	.07	30	42
31-51-9026	6317259	1435304	2-65	4	305	21,268	3.68	782	37	16,185	3.54	573	7-71		35	863	.03	35	55
31-51-9026	6685152	1471774	9-66	3	305	22,376	3.45	773	34	16,743	3.49	584	10-71		35	787	-.02	26	45
31-51-9026	6831412	1480773	4-67	2	305	20,790	3.62	752	39	16,760	3.37	565	10-71		32	686	.03	30	45
31-51-9026	7315275	1497602	9-68	2	305	22,055	3.18	702	36	16,865	3.40	574	1-72		30	897	-.05	24	47
31-52-0036	6793406	1418927	3-67	3	305	18,163	3.98	723	8	14,140	3.65	516	11-71		42	591	.06	30	43
31-52-0056	6744916	1261857	12-66	4	301	16,478	3.91	645	13	12,588	3.65	459	1-72		44	840	.09	44	62
31-52-0064	7030785	1261857	10-66	4	295	16,485	3.96	652	31	14,180	3.71	526	8-71		44	664	.09	38	51
31-52-0064	7306792	1261857	10-67	3	305	17,390	3.69	642	28	14,627	3.72	544	3-72		42	712	.06	34	49
31-52-0064	7306795	1261857	11-67	3	299	16,730	3.87	647	32	14,617	3.74	546	10-71		42	637	.07	34	47
31-52-0064	7324698	1261857	8-67	3	299	15,807	3.85	608	32	14,210	3.72	528	9-71		42	573	.08	32	44
31-52-0064	7769695	1447414	9-69	1	305	17,830	3.79	675	18	15,650	3.60	563	3-72		35	784	-.01	27	46
31-52-0083	6902728	1479043	8-67	3	301	20,490	3.30	676	35	15,996	3.67	587	3-72		38	942	-.08	21	46
31-52-0089	6559490	1199324	7-64	5	304	19,252	3.58	690	12	14,604	3.51	512	7-71		44	1,033	.00	37	62
31-52-0089	7568543	1493686	6-68	2	305	18,595	3.26	607	24	13,900	3.63	504	10-71		40	872	-.02	29	50
31-52-0089	7652860	1427381	1-69	1	305	19,300	3.62	699	8	15,220	4.05	616	4-71		36	1,077	.01	41	66
31-52-0092	5886993	1406271	8-63	6	305	16,523	3.82	631	13	14,038	3.73	523	12-71		44	673	.05	32	47
31-52-0113	6953244	1261857	12-67	2	305	20,330	3.65	742	11	13,860	3.67	509	1-71		40	1,056	.05	46	70
31-52-0114	7627427	1427381	3-69	1	305	19,390	3.83	742	9	14,310	3.63	519	11-71		36	1,145	.06	50	76
31-52-0114	7627428	1427381	3-69	1	291	15,920	3.99	635	12	12,980	3.54	460	9-71		36	976	.07	46	67
31-52-0273	6094523	1439936	5-64	5	304	18,896	3.46	654	28	14,138	3.67	519	6-71		35	808	-.04	23	43
31-52-0273	6760799	1476315	1-67	3	305	19,107	3.45	659	23	13,277	3.71	493	3-72		33	768	-.03	23	42
31-52-0273	6958547	1493686	12-67	2	305	17,080	3.68	628	24	13,925	3.75	522	7-71		40	715	.03	30	46
31-52-0273	6958548	1493686	12-67	2	305	19,445	3.32	645	27	14,060	3.73	524	8-71		40	944	-.02	31	54
31-52-0273	6958549	1493686	12-67	2	305	19,820	3.77	747	24	13,925	3.75	522	7-71		40	995	.04	42	65
31-52-0488	6665027	1302422	7-65	4	302	17,963	4.01	721	28	14,310	3.60	515	12-71		43	508	.10	33	42
31-52-0488	7177925	1493686	11-68	1	305	17,890	3.73	667	13	14,810	3.63	538	3-71		35	660	.04	30	45
31-52-0488	7177926	1493686	11-68	1	305	18,420	3.59	661	18	14,620	3.80	555	2-71		35	713	.02	29	45

TABLE 3. HOLSTEIN USDA-OHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVO MO-YR	T C D	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
31-52-0624	6769185	1261857	12-66	4	305	16,963	4.03	683	13	13,875	3.73	518	1-72		44	757	.10	42	$ 57
31-52-0624	6769186	1261857	1-67	2	280	18,850	3.71	700	14	14,805	3.76	556	12-71		40	819	.06	38	56
31-52-0624	6769187	1261857	1-67	3	305	17,410	3.82	665	11	14,763	3.67	542	5-71		42	700	.08	37	52
31-52-0624	6769188	1261857	2-67	3	305	17,380	3.73	649	13	14,793	3.68	545	6-71		42	693	.07	35	50
31-52-0624	6981919	1261857	11-67	2	305	18,400	3.97	730	11	14,335	3.86	553	1-71		40	817	.08	41	58
31-52-0624	6981921	1261857	2-68	3	300	16,073	4.28	688	13	14,440	3.77	545	12-71		42	580	.12	39	50
31-52-9041	6996759	1418927	12-67	2	305	21,205	3.45	731	22	15,105	3.69	557	5-71		40	758	-.02	25	43
31-52-9041	7287702	1418927	1-69	1	305	22,560	3.76	848	22	14,880	3.82	569	2-71		35	721	.01	28	45
31-52-9041	7475928	1447141	10-69	1	305	21,170	3.67	777	21	15,770	3.65	575	11-71		36	655	.06	32	46
31-52-9041	7494859	1447141	10-69	1	305	23,830	3.55	847	24	15,620	3.73	582	1-72		36	864	.04	37	57
31-52-9078	5696013	1386191	10-62	7	303	16,884	3.84	648	29	13,850	3.57	494	12-71		41	651	.08	36	49
31-52-9078	5951275	1406271	9-63	6	305	19,027	3.81	725	18	14,047	3.57	501	11-71		44	995	.07	47	69
31-52-9078	5951277	1355784	11-63	6	305	18,458	3.29	608	27	13,745	3.62	497	11-71		44	1,055	-.10	22	50
31-52-9078	6937263	1406271	9-67	3	298	16,360	4.02	658	22	13,570	3.67	498	2-72		42	682	.08	37	51
31-52-9078	6937266	1493686	9-67	3	305	16,040	3.84	616	29	13,836	3.66	507	11-71		42	636	.05	31	45
31-52-9078	7210150	1493686	5-68	2	305	17,045	3.97	677	24	13,455	3.76	506	8-71		40	755	.06	36	52
31-52-9078	7291404	1493686	1-69	1	305	19,490	3.29	641	28	14,010	3.59	503	9-71		35	835	.01	31	51
31-52-9078	7420703	1406271	10-69	1	305	18,190	3.14	571	30	13,790	3.49	481	12-71		36	732	.00	27	44
31-52-9096	7296002	1493686	3-69	1	305	20,400	3.36	685	35	14,820	3.41	505	8-71		35	849	.02	34	54
31-52-9156	7245983	1447141	1-69	2	305	18,885	3.35	632	14	14,070	3.56	501	12-71		40	714	.02	29	45
31-52-9156	7452673	1447141	12-69	1	305	23,010	3.48	800	13	15,290	3.55	543	1-72		36	825	.04	36	55
31-52-9455	7168332	1268294	8-68	2	305	24,620	2.99	737	38	17,190	3.51	604	10-71		40	1,020	-.12	19	46
31-52-9455	7329352	1427381	6-69	1	305	20,560	3.66	753	31	18,640	3.35	624	1-72		36	942	.07	44	65
31-52-9455	7420195	1427381	9-69	1	305	19,780	3.31	655	47	17,220	3.25	560	10-71		36	979	.04	41	63
31-52-9650	5448661	1138441	7-61	7	305	21,606	3.33	720	54	15,689	3.56	558	1-72		44	1,110	-.12	22	52
31-52-9650	6279237	1015348	10-64	4	305	20,510	3.61	740	46	15,460	3.65	564	2-72		42	954	-.02	32	55
31-52-9650	7106691	1138441	12-67	2	305	25,015	3.01	753	47	14,900	3.79	565	6-71		40	1,362	-.19	20	58
31-54-0011	6508496	1182696	11-65	4	305	18,988	4.50	855	13	16,710	3.58	599	10-71		44	559	.16	44	53
31-54-0740	7005047	1308101	10-67	2	303	17,295	3.30	571	16	14,445	3.51	507	5-71		40	868	-.05	24	46
31-54-0740	7083271	1308101	1-68	2	305	17,865	3.15	563	15	15,155	3.47	526	4-71		40	861	-.07	21	43
31-54-0740	7288690	1308101	12-68	2	304	17,465	3.53	617	23	15,465	3.69	570	1-72		40	792	-.04	23	43
31-54-9002	6377545	1308101	9-65	3	298	19,120	3.85	736	25	16,153	3.56	575	10-70		42	920	.02	36	57
31-54-9002	7408431	1427381	8-69	1	305	18,650	3.20	597	31	15,240	3.73	568	8-71		36	1,028	-.01	36	61
31-54-9002	7408433	1427381	9-69	1	305	17,680	3.91	692	34	14,960	3.77	564	9-71		36	974	.06	44	66
31-55-0005	6817897	1308101	9-66	3	302	22,323	3.66	817	13	14,826	3.79	562	11-71		42	1,425	-.03	47	32
31-55-0045	7380529	1308101	7-69	1	305	18,900	3.71	702	13	15,250	3.84	586	12-71		36	893	-.03	28	51
31-55-0050	6685082	1308101	8-66	4	303	23,837	3.23	769	14	16,485	3.71	612	10-71		44	1,479	-.10	37	75
31-55-0053	6959295	1308101	8-67	3	305	20,743	3.42	710	16	17,290	3.49	603	9-71		42	989	-.04	30	55
31-55-0285	7166778	1298831	11-66	4	305	27,603	3.38	933	6	19,710	3.56	702	1-72		44	967	-.06	25	50
31-55-0285	7328113	1403382	12-68	2	305	23,030	4.04	931	5	19,375	3.56	689	1-72		40	412	.14	36	42
31-55-9390	6122676	1404084	1-64	6	305	19,320	3.85	743	13	15,065	3.71	559	10-71		35	739	.04	32	49
31-56-0015	6692829	1355784	8-66	3	305	19,133	3.51	672	16	13,293	3.72	495	11-70		42	1,134	-.08	28	57
31-56-0023	7249019	1355784	1-68	2	305	19,170	3.41	654	6	14,765	3.67	542	3-71		40	935	-.10	19	44
31-56-0420	6804468	1468011	4-67	3	305	16,970	3.46	588	9	12,576	3.59	451	8-71		35	756	-.01	26	44
31-56-9024	6220910	1406271	1-65	5	304	24,256	3.52	855	15	17,742	3.49	620	8-71		44	1,241	.03	49	78
31-56-9024	6879505	1355784	4-67	2	305	23,435	3.44	807	13	17,535	3.58	627	11-71		40	1,116	-.09	27	56
31-57-0011	7270596	1308101	1-69	2	304	20,240	3.27	661	39	17,770	3.51	624	11-71		40	863	-.06	22	44
31-57-0014	6393350	1308101	10-65	5	291	17,440	3.71	647	18	15,844	3.53	560	12-71		44	763	.00	28	46
31-57-0014	6967483	1315578	1-68	3	300	19,626	3.77	740	19	16,520	3.58	591	3-72		42	537	.11	36	46
31-57-0014	7288062	1308101	10-68	2	305	20,310	3.73	758	19	16,655	3.56	593	3-72		40	972	.00	35	58
31-57-0048	7881455	1518086	10-69	1	305	20,700	3.57	739	26	13,880	3.70	514	10-71		31	927	-.04	27	50
31-57-0051	6474167	1308101	10-65	4	304	19,287	3.47	669	13	15,897	3.66	582	1-72		44	983	-.05	28	53
31-57-0051	6883102	1308101	11-66	3	303	19,496	3.62	706	19	16,100	3.63	584	10-71		42	968	-.02	32	56
31-57-0051	6883104	1371548	5-67	3	305	23,250	3.37	783	9	17,177	3.62	621	4-72		42	823	-.04	23	44
31-57-9019	6394447	1451650	9-65	4	305	20,150	3.77	760	33	14,815	3.70	548	11-70		42	654	.04	30	44
31-57-9019	6987097	1315578	12-67	3	305	19,166	3.55	680	33	15,253	3.64	555	9-71		42	616	.07	33	46
31-57-9019	6987100	1308101	12-67	3	305	18,063	3.69	666	22	15,553	3.64	566	4-72		42	860	-.01	29	53
31-57-9019	7132943	1308101	8-68	2	293	19,605	3.39	664	20	15,140	3.72	563	1-72		40	1,039	-.06	28	54
31-57-9019	7132944	1308101	8-68	2	294	17,345	3.70	642	29	13,755	3.74	515	9-71		40	936	-.02	30	53
31-57-9019	7171298	1308101	9-68	2	305	17,155	3.57	612	28	13,725	3.75	515	8-71		40	920	-.04	27	50
31-57-9019	7191805	1308101	8-68	1	297	18,040	3.33	601	27	13,910	3.69	513	11-70		36	919	-.05	25	48
31-57-9019	7300873	1308101	11-68	2	297	18,995	3.22	612	34	14,195	3.73	529	9-71		40	1,063	-.08	26	54
31-57-9019	7300874	1308101	12-68	2	305	21,765	3.37	734	20	15,145	3.67	556	3-72		40	1,258	-.06	36	68
31-57-9019	7300878	1308101	2-69	2	275	16,250	3.68	598	24	14,445	3.78	546	11-71		40	762	-.03	23	42
31-59-0030	5057935	1249429	9-59	7	305	19,183	3.62	694	12	14,686	3.73	548	1-72		36	802	-.03	25	45
31-59-0031	6351663	1406271	11-64	5	301	19,032	4.11	782	25	14,160	3.57	505	12-71		44	983	.11	53	73
31-59-0031	6351665	1406271	11-64	5	302	20,206	3.45	697	20	15,076	3.55	535	5-71		44	1,028	.01	39	63
31-59-0031	6851259	1406271	11-66	3	305	19,050	4.02	766	19	15,613	3.63	567	5-71		42	780	.09	42	58
31-59-0031	7087138	1406271	10-67	3	302	17,497	3.78	661	24	14,807	3.69	547	10-71		42	685	.05	32	47
31-59-0031	7105808	1406271	6-68	2	305	17,240	3.32	572	22	14,295	3.53	504	9-71		40	682	.01	26	42
31-59-0031	7105809	1406271	7-68	2	304	18,560	4.61	855	20	14,770	3.62	534	7-71		40	772	.16	52	66
31-59-0031	7419806	1493686	12-68	1	305	21,110	4.40	928	22	17,020	3.78	644	3-71		35	753	.10	43	58
31-59-0031	7419810	1493686	4-69	1	305	20,320	3.17	645	23	15,310	3.85	590	7-71		35	809	-.03	25	45
31-59-0031	7419811	1493686	4-69	1	305	18,170	3.58	650	28	14,100	3.78	533	8-71		35	729	.02	29	46
31-59-0033	6708337	1330987	12-66	3	299	18,940	3.65	692	11	14,830	3.72	552	1-71		42	766	.03	32	49
31-59-0033	7171544	1493686	10-68	1	305	18,860	3.14	593	22	13,450	3.87	521	10-70		35	826	-.02	26	46
31-59-0033	7682049	1406271	1-70	1	296	22,200	3.45	766	11	15,490	3.80	589	12-71		36	916	.01	34	56
31-59-0063	7243880	1487297	12-67	2	305	19,500	3.78	737	28	15,540	3.85	598	1-72		36	716	.01	28	45
31-59-0063	7243883	1406271	4-68	2	305	16,740	4.22	706	19	14,305	3.89	557	5-71		40	630	.08	35	48
31-60-0005	7562746	1308101	2-69	1	305	20,970	2.89	605	5	13,140	3.50	460	11-71		36	1,189	-.09	29	60
31-60-0043	5559828	1368563	1-62	1	305	21,750	3.72	809	18	13,270	3.50	464	1-71		19	795	.03	33	51
31-60-9036	6853298	1458744	9-66	4	305	16,487	4.20	693	9	14,717	3.53	520	2-72		44	647	.08	36	49
31-65-0002	7204288	1392858	7-68	1	305	21,630	3.61	781	9	14,730	3.76	554	4-72		36	719	.02	29	46
31-65-0044	7365243	1308101	9-67	2	305	18,000	3.40	612	5	15,135	3.51	531	10-71		40	877	-.04	26	48
31-65-0049	7632699	1308101	1-70	1	305	22,360	3.09	690	6	15,770	3.27	516	3-72		36	1,116	-.05	32	60

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C D	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOLLARS
31-65-0052	7506217	1308101	9-69	1	305	19,330	3.49	675	7	15,600	3.56	555	11-71		36	902	-.03	28	$ 50
31-65-9022	6647088	1466380	6-66	3	305	18,976	3.10	588	34	13,750	3.43	471	2-71		33	901	-.08	20	44
31-65-9022	7347001	1466380	11-68	1	305	22,870	2.68	614	38	14,710	3.28	483	6-71		24	966	-.12	17	43
31-67-0012	6775423	1315578	11-66	2	305	16,160	4.01	648	28	12,920	3.58	463	12-70		40	475	.13	37	45
31-67-0029	7062993	1484741	1-68	2	305	21,685	3.29	713	15	14,360	3.75	539	1-72		34	983	-.09	21	47
31-67-0036	6330203	1406271	5-65	2	305	18,045	3.40	613	10	13,730	3.58	491	12-71		40	815	.01	31	50
31-67-0405	6468434	1182696	10-65	4	305	19,255	4.11	792	26	15,970	3.79	605	10-71		44	674	.08	36	50
31-67-0405	6468436	1308101	7-65	4	305	17,780	3.74	665	28	15,790	3.84	607	11-71		44	808	-.03	25	45
31-67-0405	6730156	1315578	11-66	4	305	20,397	4.11	839	26	17,255	3.77	650	3-72		44	575	.14	42	52
31-67-0405	7216101	1308101	10-68	2	293	18,815	3.60	677	19	16,645	3.78	630	3-72		40	821	-.04	23	44
31-67-0405	7549180	1515118	12-69	1	305	21,650	3.42	741	42	17,150	3.75	643	12-71		26	886	-.09	18	42
31-67-0828	6675655	1308101	6-66	4	305	20,157	3.57	719	63	16,600	3.61	600	11-71		44	1,012	-.03	32	57
31-67-0828	6675658	1315578	7-66	4	305	18,725	4.03	754	49	16,607	3.55	590	1-72		44	441	.15	38	45
31-67-0828	6946744	1315578	10-67	3	304	20,610	3.67	756	64	16,973	3.62	614	12-71		42	604	.09	35	47
31-67-0828	7228223	1308101	10-68	2	291	18,760	3.60	675	59	16,905	3.71	627	10-71		40	792	-.04	23	43
31-67-0828	7228224	1308101	12-68	2	305	22,615	3.11	703	38	17,200	3.59	618	4-72		40	1,156	-.09	27	57
31-67-0828	7495578	1308101	8-69	1	305	18,770	3.87	727	59	16,930	3.73	632	10-71		36	771	-.01	27	46
31-67-9019	5641383	1199324	6-61	7	305	20,037	3.61	723	16	15,507	3.90	604	10-71		44	1,029	-.05	30	56
31-67-9019	6989217	1450228	2-68	1	305	19,710	3.75	740	19	14,190	3.96	562	8-70		35	1,000	-.03	31	56
31-67-9028	7523344	1427381	10-69	1	305	15,730	3.95	621	20	13,790	3.92	541	11-71		36	907	.05	40	60
31-67-9031	4782448	1216722	10-58	7	305	18,766	3.77	707	42	13,841	3.71	513	9-71		36	763	.01	29	47
31-67-9031	6589789	1315578	5-66	4	303	16,882	3.73	629	46	12,905	3.74	483	10-71		44	625	.08	35	48
31-68-0013	7222768	1308101	9-68	1	305	18,170	3.79	689	31	15,630	3.88	607	10-70		36	813	-.02	26	46
31-68-0013	7222770	1315578	12-68	1	305	24,130	3.56	859	30	17,180	3.98	683	11-71		36	710	.06	34	49
31-68-0038	7555258	1526710	1-69	2	305	21,435	3.85	825	24	16,630	3.60	599	1-72		25	636	.05	30	44
31-68-0038	7718854	1386406	3-69	1	305	20,470	4.05	830	27	16,150	3.63	587	10-71		36	594	.06	30	43
31-68-0074	7140142	1308101	5-68	2	305	19,255	3.43	661	33	15,925	3.63	578	9-71		40	932	-.05	26	50
31-68-0074	7556390	1308101	11-69	1	305	20,170	3.53	712	42	16,200	3.70	599	9-71		36	924	-.03	28	51
31-68-0825	7109837	1392858	2-68	2	305	25,985	3.04	790	5	16,345	3.63	594	6-71		40	1,189	-.07	32	62
31-68-0987	6909259	1479145	1-67	3	302	22,217	3.78	840	5	17,290	3.57	618	3-72		29	744	.04	33	50
31-68-9047	5610965	1339588	2-62	6	305	20,948	3.65	765	7	16,908	3.50	592	3-71		35	696	.05	33	48
31-68-9047	7592185	1427381	11-69	1	305	24,310	3.72	905	20	20,700	3.69	763	1-72		36	1,083	.04	46	71
31-68-9047	7592186	1427381	1-70	1	305	24,660	3.80	937	15	20,600	3.68	758	2-72		36	1,116	.06	49	74
31-68-9047	7592187	1427381	1-70	1	305	22,990	3.79	872	15	20,600	3.68	758	2-72		36	992	.05	44	60
31-69-0015	7212150	1447141	10-68	2	305	21,180	4.06	859	12	17,370	3.95	686	1-72		40	645	.08	35	48
31-69-0015	7513936	1447141	10-69	1	305	22,240	3.95	878	15	17,470	3.81	666	1-72		36	621	.08	34	47
31-69-0300	6470765	1271810	10-65	4	305	19,273	3.39	654	12	14,258	3.57	509	4-71		44	904	-.06	23	46
31-70-0002	7719549	1464901	1-70	1	305	23,020	3.17	730	11	14,560	3.56	519	1-72		33	1,295	-.06	37	70
31-70-0036	6841268	1355784	7-67	2	305	15,770	3.34	526	39	10,600	3.65	387	11-70		40	971	-.09	21	47
31-72-9019	6704810	1315578	8-66	4	299	17,067	3.80	648	23	14,075	3.77	530	9-71		44	517	.09	32	42
31-72-9019	7114745	1493686	3-68	2	305	18,925	3.64	688	25	15,610	3.86	603	5-71		40	749	.01	28	46
31-72-9037	6678372	1297169	8-66	3	305	21,673	4.05	878	37	15,893	3.71	589	8-71		42	572	.08	33	44
31-72-9037	7087930	1474975	3-68	2	305	20,075	3.83	768	38	15,280	3.66	559	7-71		34	693	.02	28	44
31-72-9037	7484265	1493686	8-69	1	305	20,040	3.24	650	41	15,420	3.53	545	9-71		35	781	.00	28	47
31-72-9037	7484265	1493686	8-69	1	305	19,100	3.32	635	43	15,640	3.61	564	11-71		35	695	.01	26	42
31-72-9037	7484273	1493686	11-69	1	305	21,350	3.39	724	43	15,640	3.61	564	11-71		35	865	.01	33	53
31-72-9037	7583490	1493686	11-69	1	305	21,190	3.39	718	32	15,380	3.69	567	2-72		35	870	.00	32	53
31-74-0059	6760625	1406271	3-67	3	305	16,080	3.36	540	48	11,133	3.56	396	3-72		42	902	.01	34	55
31-74-0059	7005382	1406271	1-68	2	305	16,095	3.39	545	43	11,925	3.45	411	5-71		40	782	.03	32	50
31-74-0074	5712842	1268689	9-62	7	300	23,243	3.16	735	14	16,970	3.39	575	5-71		44	877	-.07	21	44
31-74-0074	7008967	1381027	3-68	2	305	25,730	3.30	850	18	17,770	3.41	606	8-71		40	768	-.01	26	45
31-74-0074	7290785	1386406	2-69	2	305	24,345	3.21	781	16	18,600	3.33	619	3-72		40	869	-.02	29	50
31-74-0074	7435134	1426616	8-69	1	305	22,300	3.46	771	17	18,650	3.28	611	9-71		33	724	.01	27	44
31-74-9045	6091059	1237057	5-64	5	305	24,842	3.30	820	25	16,652	3.37	562	9-71		44	1,345	-.07	38	72
31-74-9045	6441787	1237057	1-66	3	305	23,917	3.02	723	22	15,977	3.39	541	6-71		42	1,201	-.11	26	58
31-74-9805	7289782	1355784	8-68	1	305	23,490	3.33	783	8	19,140	3.44	659	2-71		35	879	-.08	19	42
31-74-9805	7315471	1493686	10-68	1	305	22,380	3.26	730	19	17,540	3.40	596	9-71		35	813	.01	31	50
31-75-0016	6497349	1175471	12-65	3	305	18,943	3.95	749	13	15,597	3.52	549	9-71		42	512	.10	33	43
31-75-0016	6786380	1315578	8-66	3	305	17,270	3.94	680	10	14,616	3.39	496	10-70		42	464	.15	39	46
31-75-0016	6940673	1315578	8-67	3	305	18,783	4.01	754	376	14,316	3.51	502	2-72		42	669	.15	47	59
31-75-0016	7102295	1308101	8-67	2	305	19,175	3.80	728	6	16,075	3.76	605	12-70		40	910	-.01	31	53
31-75-0016	7153640	1308101	9-68	2	305	17,745	3.85	683	21	15,400	3.34	514	8-71		40	827	.03	34	53
31-75-0016	7323514	1347940	2-69	1	305	18,300	3.27	598	21	15,490	3.44	533	7-71		36	736	-.02	24	42
31-75-0016	7488991	1347940	9-69	1	305	19,300	3.16	610	20	15,570	3.44	536	8-71		36	805	-.03	24	44
31-75-0017	6651824	1315578	8-66	4	305	21,720	3.52	764	14	14,927	3.48	520	12-71		44	997	.08	48	70
31-75-0059	6859931	1308101	7-67	3	293	19,190	3.37	647	11	16,053	3.44	552	5-71		42	938	-.04	28	51
31-75-0210	6018642	1406271	10-63	7	303	19,279	3.26	629	11	15,257	3.55	542	2-72		44	887	-.02	29	51
31-75-0210	6364115	1406271	4-65	5	305	18,306	3.52	645	9	15,142	3.57	540	6-71		44	775	.03	32	50
31-75-0385	5975693	1392858	10-63	6	302	19,916	3.90	776	26	16,881	3.49	589	4-71		44	601	.09	35	47
31-75-0385	7284134	1308101	2-69	1	294	21,480	4.46	959	24	18,300	3.56	652	5-71		36	881	.07	43	62
31-75-0385	7490898	1308101	6-69	1	305	20,330	3.51	714	24	18,300	3.56	652	5-71		36	795	-.03	24	44
31-75-0472	7154358	1308101	9-68	1	305	15,740	3.53	556	33	13,830	3.54	490	8-70		36	753	-.02	24	42
31-75-0560	6680557	1308101	9-66	4	297	17,575	3.41	599	13	16,037	3.42	549	12-71		44	756	-.03	23	42
31-75-0560	6882051	1308101	8-67	3	305	18,763	3.59	673	14	16,186	3.45	559	1-72		42	875	-.01	30	51
31-75-9046	6359034	1112211	6-65	4	305	17,620	3.73	657	14	14,170	3.63	514	2-71		44	780	-.01	27	46
31-75-9056	4752777	1112211	11-58	6	305	19,107	3.53	675	17	15,308	3.49	534	1-71		44	853	-.02	28	49
31-75-9280	6689762	1308101	11-66	4	278	16,335	3.32	543	13	13,920	3.43	478	11-71		44	838	-.04	24	45
31-75-9280	6859925	1315578	5-67	3	305	19,273	3.91	754	23	15,920	3.50	557	11-71		42	559	.14	41	51
31-75-9280	7005095	1392858	3-68	2	305	20,815	3.73	777	21	16,195	3.58	579	3-71		40	678	.05	32	47
31-75-9280	7225812	1308101	1-69	1	305	20,610	3.52	725	27	16,280	3.65	595	3-71		36	951	-.03	29	53
31-75-9280	7343887	1308101	5-69	1	305	18,300	3.49	638	20	16,760	3.39	568	7-71		36	747	-.02	24	42
31-75-9280	7368105	1308101	7-69	1	305	20,120	2.85	574	24	16,330	3.48	568	9-71		36	912	-.08	20	44
31-75-9280	7371453	1308101	1-69	2	305	18,920	3.88	735	28	16,795	3.70	622	1-72		40	818	.00	30	49
31-75-9280	7465301	1427381	12-69	1	305	21,720	4.07	883	25	17,600	3.72	655	3-72		36	1,098	.08	52	76
31-75-9665	6535533	1386406	11-65	3	305	24,703	3.35	828	6	17,246	3.79	653	10-71		42	1,126	-.06	32	60

TABLE 3. HOLSTEIN USDA-OHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C O	REPT (%)	.......C O W MILK (LB)	I N D E X....... FAT (%)	FAT (LB)	DOL-LARS
31-75-9665	7560627	1383004	7-69	1	305	22,800	4.23	964	14	16,450	3.67	603	9-71		36	446	.17	41	$ 47
31-76-0047	6061590	1418927	4-64	4	305	19,433	3.26	633	19	13,805	3.71	512	5-71		43	815	-.06	21	42
31-76-0058	7225432	1427381	10-68	1	305	16,680	3.86	644	29	14,500	3.74	542	9-71		36	930	.06	42	63
31-76-0058	7247334	1427381	11-68	1	305	16,890	3.97	670	20	13,640	3.78	516	8-71		36	1,004	.06	45	67
31-76-0058	7498231	1427381	8-69	1	305	17,040	3.81	649	29	14,500	3.74	542	9-71		36	957	.05	42	63
31-76-0079	7055892	1355784	9-67	2	305	17,960	3.82	686	7	15,195	3.53	537	12-71		40	772	-.03	23	42
31-76-0089	6647662	1406271	7-66	4	305	17,120	3.87	663	39	15,108	3.51	530	8-71		44	620	.08	34	47
31-76-0089	6850375	1406271	5-67	3	301	17,963	3.43	616	43	14,573	3.58	521	7-71		42	763	.01	29	47
31-76-0089	7220452	1406271	9-68	2	293	17,895	3.91	699	52	14,120	3.57	504	9-71		40	764	.08	39	55
31-76-0089	7577070	1355784	6-69	1	305	21,390	3.24	693	27	15,040	3.64	547	11-71		35	999	-.10	20	47
31-76-0099	7496425	1447141	1-70	1	305	20,350	4.02	818	9	15,590	3.93	612	1-72		36	606	.07	33	45
31-76-0101	7457434	1427381	9-69	1	304	17,830	3.37	601	22	15,830	3.54	560	10-71		36	927	.02	37	58
31-76-0104	5373982	1324786	10-59	6	305	19,057	3.84	732	13	14,537	3.71	539	5-71		32	719	.03	31	47
31-76-0104	6510899	1406271	1-66	3	305	17,963	3.66	657	21	15,053	3.65	550	7-71		42	713	.04	31	47
31-76-0104	7303010	1493686	8-68	2	305	20,370	3.58	729	20	15,600	3.57	557	12-71		40	897	.03	37	58
31-76-0113	7378415	1499501	8-69	1	305	22,100	3.43	758	24	15,890	3.90	620	12-71		32	765	-.02	24	43
31-76-0130	6643182	1154946	8-66	3	297	22,397	3.30	738	8	15,977	3.88	620	11-71		42	919	-.11	17	42
31-76-0130	7337108	1413165	5-68	2	305	21,495	3.75	805	10	16,210	3.83	621	10-71		40	886	-.08	20	43
31-76-0131	6807253	1308101	2-67	3	303	17,590	3.31	583	12	14,790	3.58	529	8-71		42	885	-.06	23	46
31-76-0131	6867711	1308101	8-67	2	305	19,695	3.42	673	16	16,200	3.62	587	9-71		40	951	-.05	27	51
31-76-0131	7013661	1308101	12-67	2	305	20,995	3.52	738	12	15,165	3.69	560	10-71		40	1,178	-.04	36	65
31-76-0131	7325807	1308101	3-69	1	305	18,520	3.69	684	17	15,940	3.63	579	8-71		36	819	-.02	27	47
31-76-0375	6296489	1406271	2-65	5	292	16,640	3.72	619	13	14,180	3.70	525	12-71		44	672	.04	30	45
31-76-0375	7229534	1493686	6-68	2	305	17,875	4.12	737	9	13,725	3.62	497	10-71		40	815	.09	43	60
31-76-0706	5927805	1406271	11-63	6	305	19,542	3.62	708	46	15,255	3.72	567	4-71		44	921	.02	37	58
31-76-0706	6724065	1406271	11-66	3	305	16,760	4.02	673	55	15,130	3.77	571	2-72		42	567	.07	31	43
31-76-0706	6724065	1406271	12-66	3	305	16,783	3.83	642	41	14,147	3.73	527	8-71		42	671	.05	32	47
31-76-0706	6779195	1406271	12-66	3	305	18,417	3.68	678	63	14,987	3.76	563	11-71		42	772	.03	32	51
31-76-0706	7233938	1493686	12-68	1	305	18,360	3.58	658	62	15,270	3.79	578	11-71		35	664	.02	27	42
31-76-9004	7265345	1427381	2-69	1	305	23,980	3.70	887	9	15,610	3.68	574	4-72		36	1,400	.05	58	90
31-76-9005	6331057	1439509	1-65	4	305	22,570	3.57	805	14	16,008	3.66	586	2-71		30	1,022	-.01	35	60
31-76-9015	6633707	1406271	1-66	2	305	18,465	4.10	757	18	15,575	3.72	579	4-71		40	689	.09	38	52
31-76-9015	7096238	1471338	5-67	1	305	19,000	4.23	804	12	15,530	3.83	595	5-71		23	559	.07	30	42
31-76-9015	7157654	1471338	7-67	2	305	17,675	4.40	778	17	14,265	3.75	535	11-71		29	628	.11	39	51
31-76-9084	6771745	1445806	12-66	4	305	18,753	3.49	655	19	13,498	3.72	502	3-72		33	867	-.02	28	49
31-76-9090	5171272	1179372	8-60	5	305	21,478	3.64	781	11	14,936	3.69	551	5-71		44	1,040	.00	38	63
31-76-9090	6748372	1406271	9-66	4	298	16,810	3.79	637	13	14,368	3.72	535	10-71		44	664	.05	31	46
31-76-9095	7510540	1489981	12-69	1	305	21,490	4.26	915	6	17,800	3.63	646	10-71		35	490	.16	41	48
31-76-9119	7257268	1447141	2-69	1	305	25,680	3.26	837	24	16,230	3.53	573	3-71		36	960	.02	37	59
31-76-9119	7257270	1447141	2-69	1	305	22,080	3.89	858	22	16,230	3.51	569	4-71		36	692	.09	39	53
31-76-9150	5994605	1406271	12-63	6	305	20,875	4.00	835	28	14,392	3.62	521	10-71		44	1,194	.10	58	84
31-76-9150	6583730	1261857	6-66	3	305	18,243	3.69	674	30	15,547	3.60	560	1-71		42	715	.07	36	51
31-76-9150	7185025	1528456	9-68	1	305	22,310	3.57	796	17	14,250	3.73	532	6-71		19	765	-.01	26	44
31-76-9550	7363834	1406271	2-69	1	305	18,660	3.56	665	22	15,340	3.77	579	10-71		36	663	.02	27	42
31-76-9550	7390395	1308101	7-69	1	305	18,170	3.58	651	22	15,360	3.78	580	10-71		36	831	-.03	25	46
31-76-9550	7606994	1493686	6-69	1	305	17,880	3.84	687	21	15,060	3.78	570	9-71		35	642	.05	30	44
31-76-9550	7606995	1493686	6-69	1	305	18,120	3.73	675	12	13,910	3.81	530	3-72		35	738	.03	31	48
31-76-9550	7606996	1493686	6-69	1	305	18,680	3.55	663	21	15,030	3.72	559	8-71		35	705	.02	28	44
31-78-0037	6695823	1315578	11-66	3	304	19,566	3.90	764	8	15,616	3.75	585	2-71		42	624	.11	39	51
31-78-0037	7311539	1308101	11-68	2	299	18,500	3.38	625	10	15,305	3.85	590	10-71		40	912	-.07	22	46
31-78-0066	6986045	1458744	1-68	1	305	20,220	3.68	744	26	14,710	3.73	548	11-71		36	892	-.01	31	52
31-78-0066	7081789	1490794	12-67	2	305	21,850	3.80	830	39	13,975	3.76	526	7-71		30	1,202	.02	46	74
31-78-0066	7253643	1441440	11-68	1	305	16,990	4.16	707	16	14,230	3.79	539	7-71		36	597	.06	30	43
31-78-0105	7255223	1308101	1-69	1	305	17,220	3.60	620	16	13,740	4.01	551	8-71		36	869	-.05	24	46
31-78-0105	7403599	1308101	2-69	1	297	15,840	4.10	649	25	14,120	3.87	547	9-71		36	741	.00	27	45
31-78-0105	7419843	1308101	6-69	1	305	19,630	3.69	725	28	13,890	3.90	542	10-71		36	1,039	-.03	33	59
31-78-0480	6527679	1315578	12-65	5	300	21,008	3.92	824	34	16,264	3.79	617	3-72		44	786	.11	45	61
31-78-0480	6884657	1308101	9-67	3	295	19,230	3.48	669	46	16,173	3.82	617	10-71		42	930	-.06	24	48
31-78-0480	7187799	1308101	11-68	1	305	19,110	3.58	684	40	16,380	3.80	622	5-71		36	833	-.04	24	45
31-78-0612	6387902	1308101	7-65	4	304	17,240	3.58	618	22	13,705	3.76	515	10-71		44	973	-.04	29	53
31-78-0612	6808344	1308101	1-67	2	305	17,170	4.21	722	18	15,155	3.78	573	1-71		40	790	.03	33	51
31-78-0612	6808345	1308101	4-67	3	304	21,550	3.68	794	26	14,876	3.80	566	12-71		42	1,331	-.03	44	76
31-78-0612	6885435	1308101	8-67	3	305	17,266	3.83	661	17	14,796	3.85	569	1-72		42	847	-.02	28	49
31-78-0612	7237727	1308101	12-68	1	305	17,620	3.88	683	26	14,330	3.92	562	8-71		36	859	-.02	28	49
31-78-0732	6795082	1308101	7-66	3	304	16,560	4.04	669	15	14,503	3.57	518	2-71		42	796	.03	34	52
31-78-0744	7385693	1347940	1-69	1	305	22,100	3.24	717	21	17,940	3.55	636	5-71		36	855	-.03	26	47
31-78-0744	7898909	1399824	2-70	1	305	21,310	4.45	948	9	18,730	3.50	655	4-72		36	570	.12	39	49
31-78-0780	6730195	1315578	2-67	3	305	17,853	4.16	742	21	14,733	3.66	539	11-71		42	518	.15	41	49
31-78-0780	6924655	1308101	10-67	3	305	19,023	3.39	644	21	15,470	3.68	569	1-72		42	979	-.06	26	51
31-78-0780	7263231	1308101	11-68	2	297	17,035	3.71	632	28	14,650	3.62	530	10-71		40	823	-.01	28	48
31-78-0780	7263233	1308101	1-69	1	305	16,900	3.39	573	25	14,910	3.51	523	1-71		36	767	-.03	23	42
31-78-9068	6487085	1417440	10-65	4	305	22,205	3.26	724	10	15,970	3.55	567	2-71		30	972	-.07	25	50
31-78-9068	7284323	1506151	1-69	1	305	22,090	4.02	888	6	14,960	3.78	566	7-71		23	599	.07	32	44
31-78-9336	6742894	1282185	11-66	3	305	21,190	3.70	784	25	15,150	3.61	547	8-71		42	744	.01	28	46
31-79-0002	6416573	1308101	8-65	5	305	19,446	3.20	622	7	16,918	3.59	607	9-71		44	897	-.09	19	43
31-79-0022	6742259	1315578	11-66	3	305	20,353	3.91	796	40	16,043	3.48	559	10-71		42	670	.14	46	56
31-79-0022	7676727	1308101	7-69	2	302	21,270	3.31	703	27	17,175	3.51	602	1-72		40	1,022	-.06	28	54
31-79-0026	6589167	1406271	7-66	3	305	20,147	3.36	677	13	16,097	3.49	561	4-71		42	856	.01	32	52
31-79-0026	6589168	1406271	7-66	4	305	23,445	3.58	840	16	16,360	3.52	576	1-72		44	1,262	.04	51	80
31-79-0026	6610007	1406271	8-66	1	305	17,440	4.01	699	12	15,810	3.57	564	8-71		36	540	.08	31	42
31-79-0026	6665129	1406271	12-66	3	305	19,417	3.17	616	13	16,363	3.39	555	5-71		42	745	-.01	26	44
31-79-0026	7083643	1493686	6-68	2	305	21,655	3.44	745	16	16,615	3.64	604	2-72		40	935	.00	34	56
31-79-0026	7271169	1406271	3-69	1	305	20,440	3.32	678	11	17,250	3.56	614	1-72		36	667	.01	26	42
31-79-0057	7107958	1458744	11-67	2	305	17,000	4.24	720	9	14,470	3.50	506	6-71		40	707	.08	37	52
31-79-0057	7107959	1458744	12-67	2	305	18,435	3.12	576	9	14,280	3.43	490	7-71		40	870	-.05	24	46

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C D	REPT (%)	.......C O W I N D E X...... MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
31-79-0081	7388513	1330987	3-69	1	305	19,130	4.20	804	5	15,350	3.89	597	11-71		36	607	.07	33	$ 45
31-79-0455	7191926	1308101	8-68	1	305	18,460	3.58	660	7	13,400	4.01	538	9-71		36	984	-.05	28	53
31-79-0875	6384762	1330987	5-65	5	305	19,142	3.56	681	20	16,006	3.64	582	4-72		44	704	.02	28	44
31-79-0875	7189589	1330987	7-68	2	305	18,720	3.91	732	22	16,090	3.67	591	12-71		40	583	.07	31	43
31-79-9718	5902175	1189870	9-63	5	305	24,036	3.65	878	16	16,962	3.65	619	2-71		44	1,143	.01	43	70
31-79-9718	6512696	1282185	10-65	4	305	23,825	3.35	798	14	17,853	3.61	644	3-72		44	820	-.06	21	42
31-79-9718	7559354	1427381	10-69	1	305	25,960	3.88	1006	21	18,700	3.49	652	1-72		36	1,340	.08	61	91
31-79-9718	7559355	1427381	11-69	1	305	22,930	3.53	810	23	18,160	3.52	639	11-71		36	1,151	.04	47	73
31-80-0022	7431390	1493686	7-69	1	305	16,750	4.13	692	20	14,080	3.70	521	9-71		35	623	.07	33	46
31-80-0022	7491619	1493686	6-69	1	305	18,800	3.75	705	12	13,300	3.65	485	6-71		35	831	.05	37	56
31-80-0054	6796445	1406271	11-66	2	305	17,395	3.66	636	5	14,260	3.63	517	3-71		40	701	.04	31	47
31-80-0054	6985038	1406271	6-67	2	305	18,865	3.71	699	8	14,340	3.71	532	12-71		40	843	.04	36	55
31-80-0054	7298373	1406271	10-68	2	305	16,815	3.51	591	8	13,825	3.75	519	12-71		40	681	.02	27	43
31-80-0056	5990791	1330987	9-63	6	305	17,888	3.71	664	26	16,002	3.39	542	2-71		44	542	.08	31	42
31-80-0056	7604653	1386406	12-68	1	305	22,340	3.33	743	8	16,010	3.32	532	8-71		36	742	.01	28	45
31-80-0083	6746917	1321904	8-66	2	305	20,780	3.64	756	14	14,910	3.66	546	10-71		40	762	.00	28	46
31-80-9049	6338639	1406271	5-65	5	305	21,122	4.05	855	20	16,028	3.96	635	11-71		44	1,036	.07	48	71
31-80-9049	6660864	1381027	10-66	3	305	25,343	3.33	843	15	16,933	3.77	639	5-71		42	925	-.05	25	49
31-80-9049	7174276	1506725	8-68	2	305	24,985	3.74	935	24	17,660	4.03	711	12-71		29	1,194	-.03	38	67
31-80-9049	7260834	1506725	12-68	1	305	22,940	3.61	827	20	17,260	3.80	656	5-71		23	830	-.02	27	47
31-80-9049	7661181	1506725	10-68	2	305	20,255	4.15	840	18	17,375	3.93	682	2-72		29	652	.04	30	44
31-80-9053	5646071	1383247	9-62	7	305	24,695	3.30	814	12	17,474	3.58	625	3-72		44	1,190	-.10	28	59
31-80-9053	5704382	1383247	10-62	6	305	22,381	3.32	743	17	17,338	3.61	626	11-71		44	908	-.09	19	43
31-80-9053	5843718	1383247	7-63	6	305	22,363	3.55	795	14	17,353	3.58	622	1-72		44	904	-.04	26	49
31-80-9053	6588243	1315578	4-66	4	305	21,862	3.57	781	17	18,365	3.48	640	2-72		44	633	.09	36	49
31-80-9053	7141903	1406271	4-68	2	305	22,055	3.49	769	24	17,790	3.45	614	8-71		40	851	.03	36	55
31-80-9440	6231441	1406271	9-64	4	305	17,165	4.24	728	18	14,805	3.88	574	11-71		44	659	.09	38	51
31-80-9440	6450592	1406271	10-65	3	305	20,293	3.53	717	18	15,360	3.82	586	5-71		42	949	.00	34	57
31-80-9440	7167472	1493686	7-68	2	300	18,875	3.92	739	17	16,755	3.86	646	2-72		40	639	.05	30	44
31-80-9440	7167477	1399824	8-68	1	305	20,870	3.62	756	24	15,800	3.93	621	9-71		36	733	.00	27	44
31-80-9440	7234189	1487297	11-68	1	305	20,240	3.61	731	20	14,920	4.00	597	7-71		32	727	-.01	25	43
31-81-0015	7227231	1308101	12-68	2	305	18,540	3.35	622	8	13,845	3.52	487	1-72		40	1,049	-.04	31	57
31-81-0595	7366824	1308101	5-69	1	305	15,240	3.70	564	8	13,340	3.58	478	7-71		36	748	-.01	25	43
31-81-0595	7379362	1308101	3-69	1	305	16,910	3.48	589	14	14,400	3.60	518	3-71		36	802	-.03	24	44
31-83-9026	5197810	1144034	10-60	4	305	18,068	4.15	749	35	14,638	3.62	530	5-71		44	529	.11	35	45
31-83-9026	5598548	1189870	4-62	5	272	22,842	3.25	742	31	16,330	3.73	609	6-71		44	1,062	-.07	27	54
31-83-9026	6249734	1426616	11-64	5	305	19,614	3.84	753	68	13,546	3.66	496	10-71		42	1,153	.03	46	73
31-83-9026	6249735	1426616	12-64	5	305	19,114	3.83	733	63	13,652	3.71	507	7-71		42	1,073	.02	42	67
31-83-9026	6542686	1426616	12-65	4	305	19,967	3.39	676	64	14,132	3.69	522	7-71		41	1,101	-.05	32	60
31-83-9026	6570075	1426616	6-65	4	305	21,980	4.55	1001	55	14,215	3.70	526	7-71		41	1,349	.15	73	101
31-83-9026	6629581	1426616	2-66	4	305	17,227	3.86	665	59	14,145	3.65	516	3-72		41	749	.03	31	48
31-83-9026	6629583	1426616	8-66	2	305	20,335	3.89	792	61	14,440	3.58	517	3-72		38	1,003	.04	42	65
31-83-9026	6629585	1426616	9-66	3	305	21,133	3.46	732	54	14,830	3.65	541	4-72		40	1,124	-.04	35	63
31-83-9026	6629586	1426616	10-66	3	305	19,253	3.49	672	51	14,213	3.71	528	5-71		40	966	-.03	30	54
31-83-9026	6931793	1450228	5-67	1	305	18,780	3.48	653	101	14,850	3.51	521	2-71		35	883	-.03	27	49
31-83-9026	6931805	1426616	4-67	2	305	21,285	3.46	737	61	14,440	3.58	517	3-72		38	1,103	-.02	36	63
31-83-9026	6931806	1426616	5-67	1	305	21,190	3.61	765	66	13,420	3.58	480	4-71		33	1,004	.00	36	60
31-83-9026	6931807	1426616	5-67	2	305	18,110	3.77	682	63	14,400	3.58	516	3-72		38	772	.01	30	48
31-83-9026	6931808	1426616	6-67	2	305	19,055	3.52	671	52	14,390	3.72	536	12-70		38	872	-.03	27	49
31-83-9026	6931810	1426616	7-67	2	305	19,100	4.23	807	56	14,210	3.71	527	6-71		38	894	.07	43	62
31-83-9026	6931811	1426616	7-67	2	305	20,055	3.61	723	69	15,295	3.63	555	10-71		38	892	-.01	31	52
31-83-9026	6931813	1426616	7-67	2	305	20,965	3.52	737	64	14,390	3.70	532	4-71		38	1,074	-.02	35	61
31-83-9026	6934123	1426616	7-67	2	305	18,840	3.44	648	64	14,390	3.70	532	4-71		38	850	-.04	25	46
31-83-9026	6958471	1397209	2-68	1	305	20,320	3.80	773	94	14,640	3.52	515	11-70		36	745	.01	28	46
31-83-9026	6961595	1426616	9-67	2	305	19,545	3.45	674	66	13,815	3.71	512	5-71		38	979	-.03	30	54
31-83-9026	6961596	1426616	10-67	3	305	18,130	3.88	704	58	14,880	3.65	543	3-72		40	760	.03	32	49
31-83-9026	6961598	1426616	12-67	2	305	19,735	3.54	699	78	15,170	3.53	536	2-72		38	870	-.01	30	51
31-83-9026	6961599	1450228	10-67	2	305	20,890	3.95	825	91	14,935	3.68	549	6-71		39	1,166	.02	45	72
31-83-9026	6961600	1450228	12-67	2	305	20,850	3.57	745	85	15,800	3.65	577	2-71		39	1,081	-.03	34	61
31-83-9026	7047086	1426616	11-67	3	305	16,903	3.98	673	62	14,333	3.66	525	3-72		40	672	.04	30	45
31-83-9026	7047089	1426616	12-67	2	305	19,355	3.71	719	73	14,660	3.65	535	11-71		38	878	.00	32	53
31-83-9026	7047091	1426616	1-68	1	305	20,190	3.44	695	66	13,420	3.58	480	4-71		33	926	-.02	30	53
31-83-9026	7047093	1426616	1-68	2	305	17,140	3.53	605	63	13,185	3.66	483	8-71		38	785	-.02	25	44
31-83-9026	7047094	1426616	2-68	1	305	17,300	3.71	641	66	13,420	3.58	480	4-71		33	701	.00	26	43
31-83-9026	7047095	1426616	2-68	1	305	19,770	3.09	610	71	14,070	3.55	499	11-70		33	848	-.06	22	44
31-83-9026	7047096	1426616	2-68	2	305	19,400	3.49	677	66	14,080	3.68	518	4-71		38	938	-.02	30	53
31-83-9026	7047110	1450228	1-68	1	305	20,800	3.23	671	95	14,560	3.51	511	12-70		35	1,058	-.06	29	56
31-83-9026	7216961	1426616	5-68	1	305	18,580	3.44	639	68	14,040	3.53	496	2-71		33	757	-.02	25	43
31-83-9026	7216962	1426616	7-68	1	305	17,960	3.61	648	69	13,880	3.56	494	3-71		33	720	.00	26	43
31-83-9026	7216965	1426616	8-68	1	305	19,470	3.19	621	65	12,890	3.62	467	5-71		33	907	-.05	25	48
31-83-9026	7216970	1426616	10-68	1	305	21,300	3.44	732	69	13,880	3.56	494	3-71		33	981	-.02	32	56
31-83-9026	7216981	1406271	9-68	1	305	19,450	3.84	747	99	15,070	3.50	527	1-71		36	740	.07	37	53
31-83-9026	7272538	1426616	12-68	1	305	18,480	3.96	731	63	12,950	3.61	467	6-71		33	826	.03	34	53
31-83-9026	7272544	1426616	1-69	1	305	16,800	3.94	662	63	12,950	3.61	467	6-71		33	695	.03	29	45
31-83-9026	7272546	1426616	2-69	1	305	20,590	3.58	738	90	15,770	3.54	558	12-71		33	792	.00	28	47
31-83-9026	7358137	1426616	3-69	1	305	21,750	3.37	732	90	15,770	3.54	558	12-71		33	883	-.03	28	50
31-83-9026	7358141	1426616	4-69	1	305	20,410	3.87	789	76	15,330	3.57	547	11-71		33	809	.03	33	52
31-83-9026	7358145	1426616	5-69	1	305	22,740	3.70	842	83	15,560	3.57	555	2-72		33	975	.01	36	59
31-83-9026	7358151	1426616	6-69	1	305	21,510	3.35	721	84	15,370	3.56	547	12-71		33	892	-.03	28	50
31-83-9026	7383697	1426616	9-69	1	305	22,810	2.96	675	84	15,370	3.56	547	12-71		33	994	-.08	24	50
31-83-9026	7405005	1505219	9-69	1	305	21,190	3.98	843	99	15,620	3.54	553	12-71		26	944	.05	41	62
31-83-9026	7405006	1505219	9-69	1	305	29,610	3.41	1009	99	15,620	3.54	553	12-71		26	1,673	-.03	56	97
31-83-9026	7405007	1505219	9-69	1	305	19,720	3.38	667	99	15,620	3.54	553	12-71		26	817	-.02	26	46
31-83-9026	7478445	1426616	12-69	1	305	20,370	3.27	666	63	14,660	3.61	529	3-72		33	853	-.04	25	46
31-83-9026	7478456	1505219	12-69	1	305	21,110	3.31	699	99	15,620	3.54	553	12-71		26	937	-.03	29	52

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C O	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
31-83-9029	4632390	1164968	4-58	7	303	19,930	3.85	768	46	15,669	3.34	524	3-71		35	632	.10	38	$ 50
31-83-9029	6460633	1460902	7-65	4	305	21,980	3.24	713	55	15,880	3.43	545	10-71		34	1,040	-.06	28	54
31-83-9029	7421669	1308101	5-69	1	305	20,360	3.38	688	67	17,800	3.44	612	8-71		36	831	-.03	25	46
31-83-9033	6967926	1406271	2-67	2	305	19,155	3.94	754	9	15,735	3.74	586	5-71		40	744	.07	37	53
31-85-0013	7335913	1493686	11-68	2	305	21,425	3.47	743	11	15,235	3.72	567	3-72		40	1,038	.00	37	62
31-85-0038	7439764	1355784	11-68	2	299	19,105	3.60	687	11	13,860	3.66	507	3-72		40	1,012	-.07	26	52
31-85-0077	6354937	1406271	2-65	5	303	16,054	3.81	612	19	13,796	3.52	485	3-72		44	641	.07	34	47
31-85-0077	6782116	1406271	11-65	4	305	16,280	3.59	584	22	13,088	3.48	456	1-72		44	740	.04	33	49
31-85-0081	6776271	1475523	10-66	4	305	18,185	3.39	616	26	12,752	3.73	476	3-72		33	941	-.06	24	48
31-85-0081	7538585	1427381	10-69	1	297	15,570	3.82	594	40	13,200	3.70	489	1-72		36	935	.05	41	62
31-85-0096	7527334	1427381	12-69	1	305	16,420	4.18	686	10	14,530	3.81	553	2-72		36	909	.07	44	64
31-85-0098	6868717	1431619	9-65	5	305	22,094	3.42	755	12	16,606	3.72	617	1-72		38	875	-.06	22	45
31-85-0111	7237850	1387978	9-68	2	295	17,970	3.92	704	26	14,485	3.68	533	11-71		40	758	.02	31	48
31-85-0111	7237858	1494316	12-68	1	305	20,830	3.37	703	27	13,320	3.59	478	11-70		22	822	-.02	26	46
31-85-0129	7247691	1493686	2-69	1	305	18,820	4.04	760	13	16,400	3.57	585	7-71		35	622	.08	34	47
31-85-0129	7318103	1493686	4-69	1	305	21,160	3.71	784	13	16,400	3.57	585	7-71		35	799	.05	36	54
31-85-0150	6415469	1406271	10-65	5	304	16,398	3.68	603	14	14,580	3.57	520	2-72		44	594	.05	29	42
31-85-0150	7273514	1458744	11-68	2	305	23,135	3.38	781	13	15,825	3.55	562	1-72		40	1,206	-.04	38	68
31-85-0150	7350550	1493686	4-69	1	305	17,720	3.70	655	7	14,980	3.48	522	5-71		35	636	.05	30	44
31-85-0150	7350754	1493686	2-69	1	305	20,220	3.54	715	6	14,490	3.54	513	4-71		35	858	.03	36	56
31-85-0159	7352219	1493686	3-69	1	305	16,160	3.81	616	12	12,280	3.66	450	3-71		35	701	.04	32	47
31-85-0162	6796780	1406271	12-66	3	299	16,000	3.55	568	7	13,510	3.58	483	4-71		42	647	.03	28	43
31-85-0162	6997913	1406271	2-68	2	305	20,220	3.36	680	7	12,925	3.51	454	1-72		40	1,109	.01	42	68
31-85-0162	7023773	1406271	8-67	3	294	16,067	3.75	602	10	13,290	3.45	458	9-71		42	677	.06	34	46
31-85-0163	7295409	1427381	11-68	1	305	16,720	3.93	657	50	13,340	3.63	484	8-71		36	1,011	.06	46	68
31-85-0163	7295411	1330987	1-69	1	305	18,440	3.30	608	49	13,300	3.64	484	8-71		36	693	.01	26	42
31-85-0173	6440787	1406271	5-65	4	305	17,553	3.71	651	19	14,613	3.51	513	6-71		44	728	.06	35	51
31-85-0173	6647468	1418927	10-66	3	305	20,040	3.50	702	23	14,803	3.67	543	10-71		42	740	-.01	25	43
31-85-0173	7209501	1330987	8-68	1	305	20,370	3.37	686	17	15,490	3.60	557	3-71		36	690	.01	27	43
31-85-0176	7169031	1367353	7-68	2	305	20,870	4.06	847	7	15,505	3.75	581	10-71		40	618	.08	34	47
31-85-0176	7176999	1447141	11-68	2	305	23,775	3.66	869	6	18,135	3.87	702	3-72		40	839	.03	35	54
31-85-0176	7404004	1447141	5-69	1	305	20,430	3.68	751	7	15,480	3.86	598	8-71		36	620	.04	29	43
31-85-0179	7243435	1493686	3-69	1	305	20,790	4.66	969	19	15,180	4.03	612	10-71		35	354	.11	48	65
31-85-0180	7021743	1493686	3-68	2	296	17,360	4.54	788	7	14,810	3.56	527	6-71		40	663	.15	46	58
31-85-0182	6849710	1406271	7-66	3	305	17,287	3.51	607	13	13,113	3.86	506	5-71		42	836	.00	30	50
31-85-0185	7251860	1427381	11-68	1	300	16,130	4.56	735	8	11,840	4.14	490	12-70		36	1,068	.09	52	75
31-85-0192	6514944	1406271	6-65	3	305	16,800	3.47	583	12	11,630	3.69	429	4-72		42	934	.01	35	57
31-85-0195	6464572	1406271	1-66	3	265	16,313	4.02	655	16	11,863	3.83	454	1-72	B	42	853	.07	41	59
31-85-0198	6732245	1406271	12-66	3	305	19,473	3.78	737	6	14,410	3.63	523	12-71		42	953	.06	43	64
31-85-0200	6998195	1406271	2-68	2	305	20,820	3.43	714	13	16,855	3.29	554	12-71		40	811	.04	36	54
31-85-0200	7267835	1336050	2-69	1	301	19,660	3.22	634	9	15,660	3.40	532	8-71		36	769	-.02	24	43
31-85-0200	7306892	1493686	3-69	1	305	21,650	3.02	653	11	17,550	3.30	579	11-71		35	758	-.01	26	44
31-85-0206	5921080	1410652	11-63	3	305	24,103	3.59	866	25	18,213	3.52	642	2-72		29	894	.01	34	55
31-85-0206	7434673	1329063	7-67	3	305	24,743	3.55	878	26	18,077	3.52	636	3-72		42	753	.02	30	47
31-85-0206	7568251	1406271	10-69	1	305	27,730	3.09	858	21	19,420	3.55	690	3-72		36	1,065	-.03	34	60
31-85-0208	7387623	1493686	8-69	1	305	20,610	3.34	689	9	14,850	3.80	565	2-72		35	863	-.01	30	51
31-85-0208	7387624	1493686	8-69	1	305	18,030	3.69	665	12	15,080	3.79	571	1-72		35	652	.03	28	43
31-85-0208	7387625	1493686	9-69	1	301	16,710	4.25	711	9	14,850	3.80	565	2-72		35	568	.08	32	43
31-85-0210	7510379	010280596	11-66	2	305	17,600	4.01	706	7	13,930	3.67	511	9-71		35	630	.06	32	45
31-85-0228	6918426	1491000	10-67	2	305	19,365	2.96	573	14	14,430	3.73	538	1-72		36	1,064	-.12	20	49
31-85-0231	7039336	1490794	12-67	2	304	22,795	3.60	820	62	16,140	3.71	598	1-72		30	1,083	-.01	37	63
31-85-0231	7165212	1490794	3-68	2	305	21,595	3.57	770	49	14,735	3.78	557	6-71		30	1,090	-.02	36	63
31-85-0231	7165214	1490794	5-68	2	305	18,455	3.65	673	73	14,600	3.73	545	8-71		30	731	-.01	25	43
31-85-0231	7165218	1490794	7-68	1	305	22,550	3.39	765	41	15,260	3.84	586	5-71		24	947	-.05	27	51
31-85-0374	6768604	1453610	4-65	5	303	20,146	4.10	825	23	16,126	3.83	618	11-71		32	665	.07	35	49
31-85-0374	6819787	1406271	4-65	4	305	18,418	3.75	691	23	16,048	3.81	611	4-71		44	675	.03	29	44
31-85-0374	7330674	1452142	6-67	3	305	23,583	3.88	915	24	16,947	3.89	659	3-72		41	798	.03	33	51
31-85-0374	7579832	1549059	5-69	1	305	24,380	3.77	918	14	17,190	3.94	677	8-71		19	710	.00	25	42
31-85-0374	7681067	1406271	11-69	1	305	22,130	3.37	745	24	17,340	3.84	665	11-71		36	787	-.01	27	46
31-85-0374	7681068	1406271	11-69	1	305	24,260	4.09	992	22	18,400	3.79	698	12-71		36	875	.08	44	63
31-85-0561	6117537	1406271	2-64	5	302	19,035	3.88	739	24	15,533	3.56	553	12-71		44	824	.06	42	59
31-85-0561	6117538	1406271	3-64	5	305	18,582	3.88	721	18	15,624	3.59	561	5-71		44	755	.08	39	55
31-85-0782	7401508	1493686	9-69	1	305	21,210	4.00	848	14	17,940	3.74	671	2-72		35	698	.07	35	50
31-85-0804	6271758	1441822	1-65	4	290	17,143	4.32	740	16	13,093	3.55	465	2-71		35	433	.14	36	43
31-85-0804	7595444	1493686	3-69	1	305	17,920	3.28	588	21	14,650	3.35	491	1-72		35	673	.02	27	43
31-85-0816	6458198	1406271	11-65	4	305	19,335	3.70	715	39	14,195	3.84	545	10-71		44	995	.02	39	62
31-85-0816	6458199	1406271	12-65	4	304	16,133	4.13	667	31	13,925	3.83	534	8-71		44	629	.08	34	47
31-85-0816	6821408	1381027	6-67	2	305	21,815	3.82	834	26	14,740	3.79	558	2-71		40	648	.04	29	43
31-85-0895	6046245	1406271	1-64	1	305	17,910	4.03	722	5	15,190	3.75	570	4-72		36	617	.06	32	45
31-85-9090	5407063	1138441	5-61	7	305	20,716	3.64	755	23	16,053	3.69	593	5-71		44	951	-.08	22	47
31-85-9090	5629026	1222994	6-62	6	305	21,253	3.60	766	23	15,818	3.81	602	4-71		44	974	-.02	32	56
31-85-9102	6384691	1406271	6-65	4	305	16,450	3.59	590	19	12,873	3.71	477	3-71		44	785	.02	31	49
31-85-9103	6108429	1406271	6-64	6	304	16,373	4.11	673	15	14,747	3.61	533	1-72		44	572	.10	36	47
31-85-9103	6195828	1406271	12-64	5	300	18,150	3.43	623	11	15,308	3.57	546	9-71		44	736	.01	28	45
31-85-9103	6524606	1406271	12-65	3	305	19,243	3.33	640	12	14,673	3.50	514	5-71		42	900	.00	33	54
31-85-9103	6580250	1406271	7-66	4	304	17,355	4.32	749	16	14,515	3.69	535	10-71		44	714	.12	44	58
31-85-9103	6580251	1406271	7-66	4	305	18,755	3.96	743	15	14,803	3.67	543	12-71		44	855	.08	43	61
31-85-9107	5889925	1199324	1-63	5	305	18,394	3.96	728	5	16,448	3.53	580	10-71		44	708	.06	34	49
31-85-9107	6675542	1413711	3-62	3	305	22,350	3.47	775	5	15,440	3.58	553	1-72		42	1,109	-.05	33	61
31-85-9107	7745279	1427381	2-69	1	305	25,640	3.46	888	6	17,100	3.64	622	10-71		36	1,424	.02	54	87
31-85-9118	6164188	1406271	10-64	5	305	20,204	4.00	808	8	12,426	4.02	500	3-71		44	1,335	.06	57	87
31-85-9118	6422339	1406271	11-65	4	300	15,778	3.91	617	9	13,328	3.99	532	9-71		44	652	.03	28	43
31-85-9121	7143552	1493686	12-67	2	305	23,125	3.09	714	21	17,695	3.58	634	3-71		40	986	-.05	28	53
31-85-9121	7284616	1493686	10-68	2	305	20,190	4.14	835	30	17,925	3.48	624	12-71		40	665	.11	41	54
31-85-9142	4867332	1113350	3-59	3	305	21,783	3.64	793	13	15,533	3.40	528	8-71		42	719	.03	30	46

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C D	REPT (%)	.......C O W MILK (LB)	I N D E X....... FAT (%)	FAT (LB)	DOL-LARS
31-85-9142	6355999	1436541	2-65	5	305	18,654	3.97	740	11	15,196	3.47	527	12-71		35	514	.10	33	$ 43
31-85-9145	6641526	1261857	10-66	4	300	20,045	3.94	790	16	16,633	3.69	614	4-72		44	831	.10	45	62
31-85-9146	6847554	1493686	7-67	2	305	18,370	2.96	543	7	13,650	3.33	455	7-71		40	872	-.03	27	49
31-85-9151	6216303	1406271	11-64	5	305	18,858	3.84	724	14	16,840	3.36	566	7-71		44	649	.10	39	52
31-85-9187	5551082	1271810	12-61	7	305	20,050	3.49	700	24	14,606	3.68	537	8-71		44	987	-.06	27	52
31-85-9238	5966999	1355784	11-63	6	305	20,686	3.06	632	10	16,048	3.39	544	11-71		44	1,076	-.13	19	48
31-85-9272	6307502	1406271	3-65	5	305	16,628	3.70	616	11	14,584	3.61	527	2-72		44	623	.04	29	43
31-85-9391	7612878	1493686	1-69	1	305	17,520	3.51	615	34	13,110	3.81	500	11-71		35	748	.01	29	46
31-85-9459	5786904	1237057	3-63	4	305	21,038	3.64	765	15	16,315	3.54	578	12-71		44	870	-.02	28	49
31-85-9459	6341991	1386406	2-65	4	305	21,540	3.48	749	13	16,545	3.60	596	7-71		44	873	-.01	30	51
31-85-9459	6604631	1386406	3-66	4	305	21,342	3.48	742	14	16,490	3.52	581	3-72		44	855	.00	31	51
31-85-9612	5707647	1350200	6-62	5	305	20,240	3.36	681	11	14,908	3.72	554	9-71		36	1,021	-.09	23	50
31-85-9629	5848631	1138441	1-63	5	305	18,568	3.59	667	13	14,300	3.64	520	7-71		44	877	-.08	20	43
31-85-9629	6727300	1347940	6-66	3	305	18,226	3.54	646	10	15,156	3.64	551	7-71		42	833	-.01	28	48
31-85-9629	6837240	1399824	11-66	4	303	19,870	3.92	778	20	16,178	3.73	604	1-72		44	784	.05	36	53
31-85-9890	7443420	1427381	7-69	1	305	20,000	3.37	673	26	17,300	3.27	566	7-71		36	990	.04	42	64
31-86-0014	6884246	1330987	4-67	3	305	19,710	3.63	716	18	15,897	3.52	560	3-72		42	745	.05	34	50
31-86-0030	5449807	1236789	2-61	6	301	18,096	3.35	606	19	14,436	3.57	515	9-71		44	786	-.03	24	43
31-86-0400	6661554	1390540	12-66	3	305	21,876	3.43	750	72	16,733	3.57	598	1-71		36	727	.04	32	48
31-86-0400	7366922	1406271	5-68	2	301	18,680	4.20	784	49	16,185	3.46	560	8-71		40	655	.12	42	54
31-86-0700	7541752	1406271	12-68	2	305	20,130	3.25	654	13	16,490	3.70	610	3-72		40	775	-.02	25	44
31-86-0700	7541756	1447141	10-69	1	304	20,390	3.73	760	11	15,950	3.61	576	10-71		36	585	.07	31	43
31-86-0700	7541757	1447141	2-69	1	305	20,070	3.27	656	14	14,310	3.52	504	5-71		36	671	.03	28	43
31-86-9021	6710635	1406271	11-66	3	305	18,667	3.39	633	7	15,433	3.61	557	7-71		42	755	.01	28	46
31-86-9038	6865763	1355784	4-66	3	305	17,006	3.44	585	19	13,170	3.60	474	5-71		42	899	-.08	20	44
31-86-9038	7269589	1406271	6-67	2	305	17,065	3.45	589	16	13,440	3.61	485	3-71		40	742	.02	30	47
31-86-9038	7641470	1417208	7-69	1	305	18,440	3.42	630	21	12,940	3.76	487	9-71		36	810	-.01	27	47
31-86-9051	6341856	1406271	6-65	4	305	20,033	4.08	818	35	15,128	3.66	554	11-71		44	977	.10	51	71
31-86-9051	6930932	1367353	10-67	3	305	20,563	3.64	749	45	15,563	3.67	571	12-71		42	654	.02	27	42
31-86-9052	5750095	1386191	12-62	6	305	20,538	3.73	767	22	15,848	3.58	567	8-71		41	904	.07	44	63
31-86-9052	6541837	1406271	3-66	4	304	20,710	3.68	763	22	16,440	3.46	569	11-71		44	915	.06	42	62
31-86-9071	7271263	1418927	10-67	2	305	21,245	3.49	742	7	16,125	3.30	532	1-71		40	669	.03	28	43
31-87-0004	6867062	1381027	11-66	3	305	21,107	3.83	808	9	14,970	3.50	524	4-72		42	641	.07	33	46
31-87-0004	7233474	1493686	11-68	1	305	19,440	3.36	653	12	15,820	3.62	572	1-71		35	708	.01	27	44
31-87-0029	6382158	1406271	9-65	4	301	17,325	3.71	642	8	15,470	3.42	529	4-71		44	605	.07	32	45
31-87-0910	7309335	1406271	4-69	1	303	15,920	3.49	556	33	10,920	3.71	405	12-71		36	755	.02	31	48
31-88-0013	7153797	1493686	8-68	2	305	16,330	3.67	600	25	13,200	3.73	493	9-71		40	705	.02	29	45
31-88-0630	6436599	1302422	9-65	4	305	18,458	4.33	799	25	15,503	3.71	575	4-71		43	436	.14	36	43
32-01-0002	7009828	1387978	11-67	3	302	17,103	4.10	702	20	15,056	3.69	555	1-72		42	633	.05	30	44
32-01-0043	7142376	1458744	9-68	2	301	18,160	3.93	714	25	16,235	3.52	571	9-71		40	664	.04	30	45
32-01-0046	6781649	1413165	10-66	4	302	20,735	3.51	728	37	15,915	3.77	600	1-72		44	926	-.11	17	42
32-01-0046	7414391	1493686	5-69	1	305	23,410	3.44	806	34	16,880	3.80	641	1-72		35	936	.00	34	56
32-01-0046	7504258	1427381	8-69	1	305	20,500	3.72	763	11	17,410	3.70	644	4-72		36	1,020	.05	44	67
32-01-0047	6337842	1431670	2-65	4	305	21,338	3.24	691	20	15,580	3.47	540	3-71		30	894	-.05	24	47
32-01-0047	7275074	1532705	1-69	1	305	17,450	3.82	666	10	13,480	3.46	467	9-71		22	620	.04	29	43
32-01-0047	7275077	1532705	2-69	1	305	22,530	3.67	827	10	13,480	3.46	467	9-71		22	1,083	.03	44	69
32-01-0048	6858438	1406271	3-67	3	305	18,920	4.11	777	19	17,120	3.84	657	10-71		42	609	.08	34	46
32-01-0048	7071639	1508339	1-68	1	305	21,100	3.91	826	20	16,810	3.65	613	7-71		24	800	.10	44	60
32-01-0048	7071640	1508339	1-68	2	305	25,120	3.73	937	25	18,555	3.67	681	4-71		29	1,196	.07	54	81
32-01-0048	7119415	1508339	1-68	3	298	22,100	4.38	967	19	18,126	3.70	670	4-72		32	935	.20	64	81
32-01-0048	7119416	1508339	1-68	2	305	25,015	3.67	918	22	16,970	3.65	619	6-71		29	1,354	.06	59	89
32-01-0048	7119417	1508339	3-68	2	304	23,455	4.52	1060	22	17,855	3.66	654	4-71		29	1,073	.22	72	92
32-01-0048	7119418	1508339	5-68	2	236	20,100	3.69	742	21	17,275	3.64	629	6-71	B	29	734	.07	37	53
32-01-0048	7119423	1383004	3-68	2	304	23,555	3.80	894	25	18,735	3.79	710	11-71		40	494	.11	34	43
32-01-0048	7171390	1508339	2-68	2	305	24,160	4.80	1159	21	16,860	3.70	624	7-71		29	1,264	.26	87	110
32-01-0048	7205062	1508339	7-68	2	305	21,895	4.27	936	24	18,665	3.70	690	1-72		29	799	.16	53	68
32-01-0048	7205064	1508339	7-68	2	305	23,055	4.19	967	18	17,890	3.69	661	10-71		29	1,021	.15	60	80
32-01-0048	7205067	1261857	8-68	2	305	21,180	3.66	775	31	19,035	3.83	729	2-72		40	670	.04	30	45
32-01-0048	7269729	1508339	10-68	2	305	22,125	4.21	931	27	18,630	3.68	686	1-72		29	831	.15	53	69
32-01-0048	7269730	1508339	10-68	2	305	23,360	3.43	802	26	18,715	3.69	690	2-72		29	969	.01	37	60
32-01-0048	7269732	1508339	1-69	1	305	23,830	3.85	918	23	18,980	3.67	697	3-71		24	869	.09	45	63
32-01-0048	7269733	1508339	1-69	1	305	20,920	4.23	885	24	17,960	3.66	658	4-71		24	691	.13	45	58
32-01-0048	7269735	1508339	1-69	1	305	19,980	4.23	846	24	17,960	3.66	658	4-71		24	607	.13	42	53
32-01-0048	7269736	1508339	1-69	2	305	21,855	3.88	847	25	18,520	3.68	682	2-72		29	810	.09	43	60
32-01-0048	7269737	1508339	1-69	1	305	21,520	3.65	785	24	17,960	3.66	658	4-71		24	745	.06	36	52
32-01-0048	7269739	1508339	1-69	2	277	22,365	3.47	776	18	18,315	3.72	681	4-72	B	29	893	.02	35	56
32-01-0048	7269740	1508339	2-69	2	305	20,225	4.27	863	18	18,315	3.72	681	4-72		29	637	.15	46	57
32-01-0048	7388948	1508339	7-69	1	305	24,100	3.83	922	23	17,150	3.67	629	5-71		24	1,041	.09	51	73
32-01-0048	7584365	1406271	1-70	1	305	21,950	3.45	758	29	17,510	3.94	690	3-72		36	762	.00	27	45
32-01-0100	7299254	1493686	4-69	1	305	19,950	3.74	747	24	16,430	3.56	585	1-72		35	705	.05	33	48
32-01-0321	7018975	1413165	10-67	3	305	23,566	3.59	845	23	17,733	3.81	675	3-72		42	1,029	-.10	21	48
32-01-0321	7456043	1308101	6-69	1	305	19,820	3.86	766	17	16,220	3.91	634	8-71		36	897	-.02	29	51
32-01-0321	7606997	1406271	1-70	1	305	21,630	3.62	782	26	18,980	3.78	717	1-72		36	640	.03	27	42
32-01-0760	7342251	1387978	11-68	2	305	18,790	3.62	681	12	15,805	3.62	572	3-72		40	721	-.01	25	42
32-01-0761	6882275	1268294	3-67	3	302	23,257	3.18	739	13	15,877	3.79	601	1-72		42	1,095	-.12	21	50
32-01-9101	6715795	1315578	11-66	4	299	19,020	4.28	815	14	15,865	3.84	610	12-71		44	560	.16	44	53
32-01-9280	7140134	1355784	9-68	1	305	21,150	3.57	755	26	15,300	3.70	566	5-71		35	963	-.08	23	48
32-01-9280	7343845	1498546	8-68	2	305	23,045	3.39	781	33	14,845	3.71	551	10-71		25	1,043	-.05	30	56
32-01-9280	7726852	1493686	4-70	1	305	17,780	3.91	696	13	15,280	3.74	572	4-72		35	620	.05	30	43
32-01-9485	6996333	1478014	11-67	2	305	20,380	4.18	852	13	17,090	3.64	622	1-71	B	40	619	.10	37	49
32-01-9764	7454799	1427381	8-69	1	305	18,980	3.64	691	18	14,980	3.72	558	9-71		36	1,070	.04	44	69
32-01-9764	7588539	1458744	9-69	1	304	22,280	3.03	676	25	16,560	3.58	593	11-71		36	921	-.07	23	47
32-01-9764	7588541	1427381	1-70	1	305	22,740	3.29	749	20	16,790	3.53	593	1-72		36	1,228	.01	46	75
32-01-9901	6224883	1294703	3-64	5	304	21,762	3.50	761	19	14,756	3.66	540	1-72		44	1,271	-.06	37	69
32-01-9901	7138356	1383004	12-67	2	305	21,145	4.05	857	5	15,210	3.66	557	4-71		40	571	.16	44	53

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	TCD	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
32-01-9901	7588130	1427381	1-70	1	276	20,860	4.08	852	16	16,900	3.82	645	2-72	8	36	1,081	.07	50	$ 74
32-02-0410	5575755	1010936	4-62	6	305	18,160	3.69	671	11	13,908	3.79	527	1-72		44	702	.02	28	44
32-02-0482	7153223	1427381	7-68	1	290	17,490	3.42	599	24	15,480	3.53	546	11-70		36	925	.03	38	59
32-02-0482	7186560	1427381	9-68	2	299	19,365	3.68	713	18	15,705	3.66	575	2-72		40	1,106	.04	46	71
32-02-0484	7579021	-1458744	2-70	1	305	20,510	3.54	727	28	16,010	3.59	575	1-72		36	826	-.01	28	48
32-02-0766	6844495	1458744	6-67	3	303	18,990	4.00	759	23	14,160	3.74	529	7-71		42	988	.03	41	64
32-02-0766	7870145	1464901	11-69	1	305	22,500	3.58	805	17	18,080	3.50	633	1-72		33	1,004	-.01	35	59
32-03-0040	5295256	1230780	12-60	6	249	20,977	3.49	733	19	14,333	3.52	504	7-71		40	832	.03	35	54
32-03-0040	6805200	1434453	8-65	4	292	22,258	3.05	679	6	14,143	3.62	512	4-72		33	1,051	-.12	20	48
32-03-0241	7143126	1308101	9-68	2	305	20,245	3.58	724	18	16,080	3.71	596	12-71		40	1,018	-.04	31	56
32-03-0241	7164771	1308101	9-68	2	305	19,910	3.45	687	13	16,665	3.71	619	2-72		40	931	-.06	25	49
32-03-0241	7313822	1308101	1-69	1	305	21,070	3.51	740	18	15,080	3.73	563	8-71		36	1,066	-.04	32	59
32-03-0241	7313824	1308101	2-69	1	305	17,940	3.71	665	18	15,080	3.73	563	8-71		36	833	-.02	27	47
32-03-0320	6543241	1351913	9-65	3	295	21,253	3.01	639	20	14,517	3.49	507	10-71		32	1,245	-.13	25	58
32-04-0760	6899072	1490328	8-67	2	305	18,515	4.30	797	51	14,450	4.08	590	10-70		28	616	.07	32	45
32-04-0760	7246610	1427381	11-68	2	304	17,715	4.16	737	49	14,915	4.07	607	1-72		40	1,011	.06	46	68
32-04-0760	7371484	1427381	7-69	1	289	19,270	4.04	779	58	15,080	4.13	623	10-71		36	1,085	.04	46	71
32-04-0760	7371485	1427381	7-69	1	305	18,740	3.78	709	54	14,890	4.08	608	8-71		36	1,058	.02	42	66
32-04-0760	7412681	1427381	8-69	1	302	16,710	3.86	645	66	14,680	4.16	610	11-71		36	921	.02	37	58
32-04-0760	7499854	1427381	12-69	1	305	17,580	4.21	740	50	14,720	4.13	608	1-72		36	983	.06	44	66
32-05-0651	7299849	010295385	2-68	2	305	21,250	3.80	807	21	14,240	3.78	538	10-71		25	885	.02	35	56
32-05-0651	7299850	010274043	3-64	3	305	22,710	3.67	833	25	14,403	3.67	529	9-71		41	1,084	-.02	36	62
32-06-0046	6920365	1492549	10-67	3	305	20,630	3.30	681	28	13,730	3.45	474	1-72		35	925	-.04	27	50
32-06-0046	7044881	010291575	4-68	1	305	21,670	3.45	748	25	13,200	3.45	455	2-71		19	794	.00	28	47
32-06-0046	7395185	010288790	7-67	2	305	21,000	4.05	851	18	14,335	3.40	487	4-71		38	957	.14	56	75
32-06-0903	5675534	1237057	6-62	5	305	19,014	3.43	652	12	14,120	3.65	516	1-72		44	888	-.07	22	45
32-06-0903	6957778	1476852	8-67	2	305	21,260	3.48	739	14	15,080	3.65	551	5-71		25	791	-.02	25	44
32-06-0903	7409043	010288790	6-68	2	193	17,280	4.47	772	262	14,640	3.73	546	1-72	8	38	535	.16	43	51
32-06-0903	7554784	1458744	11-69	2	163	19,965	3.85	768	25	14,680	3.64	535	3-72	8	40	989	.02	39	62
32-09-0101	6511313	1473313	11-65	5	294	19,770	3.28	648	13	13,984	3.58	501	11-71		32	911	-.06	23	46
32-09-0101	6751069	1406271	8-66	3	264	16,107	3.63	585	7	13,487	3.58	483	6-71		42	662	.04	30	45
32-09-0162	6054234	1425205	2-64	5	305	23,926	3.69	884	23	15,896	3.52	560	9-71		32	1,297	.03	52	82
32-09-0162	6956325	1389915	8-67	2	305	21,140	3.26	690	22	15,180	3.62	550	6-71		38	1,004	-.09	23	49
32-09-0321	7330132	1427381	1-69	1	305	18,100	3.52	638	5	14,020	3.96	555	2-72		36	1,068	.01	40	65
32-09-0417	6820324	1261857	12-66	2	303	19,790	3.84	759	34	17,800	3.31	589	12-71		40	641	.12	41	53
32-09-0417	7865530	1447414	1-70	1	305	21,230	3.32	704	30	18,700	3.19	596	1-72		35	833	-.02	27	47
32-09-0417	7869350	1447414	12-69	1	305	21,850	3.34	729	18	18,540	3.10	575	3-72		35	891	-.01	30	52
32-09-0483	7488836	1464901	9-69	1	305	17,380	3.33	578	16	14,020	3.70	519	3-72		33	888	-.05	25	47
32-09-0534	6048394	1216957	3-63	5	305	20,800	4.01	835	10	15,474	3.81	590	1-71		44	696	.07	36	51
32-09-0534	7582435	1427381	8-69	1	304	19,670	3.61	710	18	17,370	3.67	638	10-71		36	961	.03	40	62
32-09-0539	7170043	1427381	8-68	1	305	22,710	3.53	802	19	16,670	3.52	587	8-70		36	1,234	.04	50	78
32-09-0541	7027987	1387978	2-68	1	305	21,510	3.11	668	14	16,070	3.67	589	1-72		36	847	-.06	21	43
32-09-0712	6073270	1276654	1-64	5	305	22,374	4.07	911	23	15,534	3.68	572	2-71		44	1,019	.07	48	70
32-09-0712	6120729	1199324	1-64	5	305	18,152	3.83	695	22	15,414	3.72	574	1-71		44	797	.01	30	49
32-09-0712	6255934	1417208	9-64	5	305	18,574	3.77	700	28	16,396	3.59	589	9-71		44	666	.04	30	45
32-09-0712	6255935	1199324	10-64	5	305	18,540	3.54	657	25	16,092	3.60	579	8-71		44	768	-.02	25	44
32-09-0712	6438084	1417208	7-65	4	298	18,008	4.04	728	21	15,488	3.69	572	3-71		44	689	.07	35	50
32-09-0712	6512294	1330987	10-65	4	304	18,805	3.45	649	28	15,758	3.59	566	10-71		44	575	.01	26	42
32-09-0712	6643787	1417208	7-66	4	284	20,758	3.79	787	24	17,878	3.67	657	1-72		44	763	.04	33	50
32-09-0712	6753203	1481287	3-67	3	305	19,693	3.73	734	23	15,503	3.59	556	7-71		36	712	.02	28	45
32-09-0712	6887972	1481287	9-67	3	305	21,016	3.37	709	25	15,506	3.64	565	10-71		36	881	-.06	23	46
32-09-0712	7114984	1408640	7-68	2	305	22,710	3.37	765	25	16,610	3.67	609	1-72		40	846	-.04	25	46
32-09-0712	7355751	1427381	10-68	1	305	21,650	3.66	792	24	17,100	3.56	609	11-71		36	1,126	.05	48	73
32-09-0714	6755561	1481287	2-67	3	305	22,823	3.54	809	21	17,480	3.66	640	4-71		36	884	-.03	27	49
32-09-0714	6990011	1458744	10-67	2	305	20,495	3.74	767	27	16,985	3.66	622	9-71		40	832	.01	31	51
32-09-0714	7305690	1427381	9-68	1	305	20,150	3.84	773	32	17,680	3.54	626	3-71		36	976	.07	46	67
32-09-0761	6786850	1330987	11-66	3	305	17,690	3.73	660	25	13,807	3.80	525	10-71		42	729	.03	31	48
32-09-0765	7578595	1427381	1-70	1	305	17,920	3.97	712	12	14,350	3.61	518	4-72		36	1,033	.07	48	71
32-09-0901	7299009	1458744	9-68	2	305	19,300	3.66	706	37	16,395	3.59	589	10-71		40	765	.00	28	46
32-09-0901	7299010	1458744	10-68	2	305	20,145	3.31	667	37	16,395	3.59	589	10-71		40	851	-.04	24	45
32-09-9042	5443375	1244845	10-61	7	304	20,041	3.80	761	12	15,953	3.72	594	11-71		44	743	-.01	26	44
32-09-9042	6315924	1329588	12-64	4	305	21,895	3.16	691	11	16,473	3.54	583	4-71		44	891	-.09	19	43
32-10-9160	5044570	1192713	9-59	9	304	19,777	3.56	704	42	13,773	3.55	489	6-71		44	976	-.01	34	57
32-10-9160	6771099	1261857	10-66	3	305	16,250	3.40	552	66	12,213	3.45	421	10-71		42	830	.04	36	55
32-10-9160	7968080	1427381	12-69	1	305	17,760	4.06	721	31	12,680	3.70	469	1-72		36	1,133	.07	52	77
32-10-9210	6088763	1329588	1-64	5	305	19,570	3.88	759	24	13,628	3.76	513	5-71		44	950	.02	37	59
32-10-9210	7253494	1387978	2-69	1	305	20,310	3.02	614	28	14,130	3.49	493	4-71		36	888	-.06	23	46
32-10-9210	7426895	1427381	11-69	1	305	17,140	4.02	689	26	12,100	3.69	447	2-72		36	1,126	.07	51	76
32-10-9651	6859087	1261857	8-67	3	293	17,713	3.98	705	16	15,870	3.78	600	4-72		42	620	.08	35	47
32-10-9651	6981482	1261857	9-67	3	300	17,773	3.44	611	13	15,450	3.77	583	3-72		42	671	.01	26	42
32-10-9651	7113105	1427381	6-68	2	297	18,150	3.64	661	12	15,520	3.71	576	11-71		40	1,000	.03	41	64
32-10-9651	7113106	1427381	6-68	2	305	17,990	3.96	712	13	15,385	3.84	591	2-72		40	996	.06	45	67
32-10-9651	7113107	1427381	6-68	2	301	17,960	3.91	702	11	15,880	3.76	597	12-71		40	947	.06	43	64
32-10-9651	7146059	1427381	9-68	2	305	19,545	3.76	735	13	15,290	3.75	574	3-72		40	1,162	.05	49	75
32-10-9651	7193239	1427381	10-68	2	305	17,470	3.94	689	11	15,055	3.77	567	4-72		40	973	.06	45	66
32-10-9651	7282401	1427381	10-68	2	303	17,290	3.53	611	12	15,075	3.73	563	3-72		40	953	.02	37	59
32-10-9651	7302963	1427381	11-68	1	305	23,050	3.34	770	14	16,200	3.54	573	3-71		36	1,291	.02	49	79
32-10-9764	6080321	1244009	2-64	5	305	18,702	3.81	712	24	15,872	3.63	576	8-71		44	775	.00	28	46
32-10-9764	6146577	1410984	10-64	3	305	23,510	3.48	819	15	15,606	3.58	558	11-70		42	792	.01	30	49
32-10-9764	7615479	1427381	12-69	1	305	18,030	3.38	610	11	15,850	3.72	590	4-72		36	941	.01	36	58
32-17-0042	6828607	1261857	2-67	2	302	15,330	3.82	586	12	12,820	3.56	457	10-71		40	644	.08	35	48
32-18-0282	6416921	1303502	9-65	3	305	19,907	3.77	750	35	14,050	3.67	516	8-71		42	756	.02	31	48
32-18-0282	6440651	1303502	10-65	4	305	20,470	3.52	720	23	15,105	3.54	535	2-72		44	756	.00	27	45
32-18-0282	6773979	1457366	11-66	3	298	16,397	4.25	697	34	13,913	3.66	509	8-71		33	509	.10	33	42
32-18-0410	7051909	1478324	2-68	2	305	23,665	3.60	853	17	14,300	3.60	515	11-71		25	1,184	.00	43	71

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C D	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
32-18-9281	5705855	1352991	7-62	6	305	17,630	3.67	647	14	14,701	3.78	555	6-71		40	917	-.05	26	$ 49
32-19-0590	7158143	1465013	7-68	2	302	21,190	3.96	840	19	15,820	3.84	608	12-71		30	655	.05	31	45
32-19-C590	7211894	1504112	1-68	2	305	23,450	3.52	826	39	15,695	3.87	608	10-71		25	998	-.05	29	54
32-19-0590	7313823	1308101	1-69	1	300	19,800	3.59	710	50	16,680	3.83	639	10-71		36	864	-.04	25	47
32-19-0764	6829257	1361933	7-66	4	305	20,353	3.18	647	27	14,853	3.58	532	10-71		43	902	-.09	18	42
32-20-0047	6474465	1420522	2-66	4	305	19,550	3.54	692	8	14,578	3.57	521	6-71		35	841	-.01	29	49
32-20-0282	6885026	1455331	2-66	4	305	18,878	3.93	741	15	13,458	3.72	501	3-72		33	811	.06	38	56
32-20-0441	7153762	1387978	10-67	3	305	18,606	3.74	695	5	15,443	3.69	570	1-72		42	766	.00	28	46
32-20-0550	6650354	1222994	9-66	3	305	20,113	3.41	685	20	14,297	3.75	536	4-71		42	932	-.04	28	51
32-20-0550	6924854	1261857	7-67	3	302	17,573	3.96	696	26	14,513	3.73	542	9-71		42	745	.09	40	55
32-20-0550	7226340	1495254	8-68	2	302	19,680	3.74	736	27	15,720	3.61	568	11-71		34	738	-.02	24	42
32-20-0655	6925963	1488449	11-67	3	304	20,507	3.46	709	10	15,593	3.43	535	1-72		29	718	-.01	25	42
32-20-C786	6610135	1438023	10-65	5	300	19,308	3.39	655	16	15,944	3.62	577	11-71		37	879	-.06	22	45
32-20-0786	6759751	1438023	11-66	4	305	21,317	3.40	725	13	15,775	3.65	575	2-72		36	1,170	-.07	32	62
32-20-C786	6759752	1438023	11-66	4	293	18,935	3.67	695	15	15,870	3.61	573	11-71		36	825	-.01	28	48
32-20-C786	6759753	1438023	11-66	3	305	23,310	3.36	784	8	15,113	3.69	557	3-71		34	1,466	-.08	40	77
32-20-C786	6944538	1336050	12-67	3	223	21,173	3.55	752	18	16,650	3.68	612	12-71		42	965	-.01	33	56
32-20-C821	6848467	1458916	6-67	3	304	21,533	3.15	678	18	14,863	3.56	529	9-71		31	1,005	-.10	21	48
32-20-0821	7282076	1447141	12-68	2	305	21,270	3.31	705	12	15,985	3.48	556	2-72		40	781	.02	31	49
32-20-0916	5629978	1199324	3-62	6	305	17,592	3.42	601	6	13,987	3.62	506	4-71		44	890	-.04	26	48
32-20-0916	6878938	1336050	6-67	3	305	16,167	3.68	595	8	13,590	3.76	511	8-71		42	706	.00	25	42
32-20-9114	6908288	1261857	3-67	3	305	18,727	4.06	761	36	17,063	4.06	692	11-71		42	613	.07	32	45
32-20-9114	7098997	1261857	3-68	2	305	20,235	4.32	874	33	16,760	4.12	690	11-71		40	782	.10	43	59
32-20-9443	7179530	1413165	7-68	2	305	23,410	4.01	939	5	17,810	3.94	701	11-71		40	934	-.05	26	5C
32-20-9924	6526372	1336050	11-65	4	300	18,775	3.75	705	15	14,795	3.58	529	2-71		44	906	.03	37	58
32-25-C105	7408974	1447414	9-69	1	305	21,890	3.67	804	11	16,110	3.63	584	9-71		35	1,059	-.02	35	61
32-25-C162	6786328	1417208	11-66	3	298	17,543	3.87	679	44	14,327	3.85	551	10-71		42	742	.02	30	47
32-25-C327	6162754	1384478	7-64	6	297	19,185	4.01	769	15	17,120	3.43	587	2-72		36	589	.12	39	5C
32-25-0760	7336725	1427381	2-69	1	305	21,970	3.71	815	20	15,550	3.68	572	5-71		36	1,254	.04	52	81
32-25-0901	5929371	1222994	9-63	6	305	20,592	3.65	752	17	15,410	3.63	559	6-71		44	936	.01	35	57
32-25-0901	6771302	1261857	3-67	3	305	18,780	4.07	764	19	14,093	3.65	514	1-72		42	927	.11	51	7C
32-25-9212	6815947	1283917	5-67	3	303	23,643	2.75	650	17	15,673	3.46	543	7-71		42	1,140	-.19	11	44
32-25-9212	7415587	1396740	5-68	2	305	20,895	3.61	754	29	16,075	3.43	552	12-71		40	573	.07	31	43
32-25-9212	7546119	1399283	1-70	1	305	23,830	3.60	858	18	17,120	3.61	618	3-72		36	788	-.04	23	43
32-25-9212	7546121	1447414	9-69	1	305	23,560	2.91	686	25	15,460	3.44	532	10-71		35	1,229	-.09	30	62
32-25-9212	7841617	1450228	8-69	1	305	19,180	3.73	715	26	16,340	3.43	560	11-71		35	811	.00	29	48
32-25-9212	7883098	1399283	1-70	1	305	25,700	3.14	806	18	17,120	3.61	618	3-72		36	927	-.09	20	44
32-25-9212	7883101	1447414	10-69	1	305	22,960	3.27	751	18	17,430	3.17	552	5-71		35	1,050	-.03	33	59
32-25-9244	5287264	1179372	11-60	7	303	21,404	3.39	725	21	17,079	3.61	616	10-71		44	781	-.03	24	43
32-25-9244	6535540	1330987	1-66	4	305	20,593	3.80	782	22	17,428	3.57	623	12-71		44	710	.07	36	51
32-25-9244	6937489	1261857	8-67	3	302	21,950	3.54	778	24	18,090	3.63	657	11-71		42	878	.04	38	58
32-25-9244	7527621	1408640	9-69	1	305	26,910	2.87	772	20	18,250	3.59	655	2-72		35	897	-.09	18	42
32-25-9325	6149122	1417208	11-64	5	305	16,954	3.99	676	27	14,064	3.91	550	6-71		44	728	.03	31	47
32-26-0900	7234582	1514154	10-68	2	305	19,125	3.62	693	25	14,255	3.83	546	1-72		28	689	.01	26	42
32-27-0322	6523859	1462211	9-65	5	286	18,216	3.09	562	29	11,814	3.55	419	11-71		36	984	-.10	20	46
32-27-C322	6746820	1462211	2-66	3	305	18,630	3.53	658	30	12,020	3.64	438	1-71		33	921	-.03	29	52
32-27-0322	6982697	1462211	12-67	2	274	17,600	3.47	611	23	11,215	3.54	397	7-71		30	793	-.03	24	44
32-27-C322	7018307	1462211	5-66	3	305	17,080	3.62	619	26	11,920	3.61	430	3-71		33	726	-.01	25	42
32-27-0534	5524964	1199324	8-61	6	305	20,380	3.66	746	11	15,262	3.57	545	10-71		44	1,100	.00	40	66
32-27-C534	7763307	1458744	11-69	1	305	19,480	3.35	653	24	15,120	3.51	531	10-71		36	809	-.03	25	45
32-27-0534	7763308	1427381	4-69	1	278	16,810	3.59	604	20	14,960	3.54	530	9-71		36	909	.04	39	60
32-27-C545	7314555	1427381	3-69	2	305	17,835	3.55	633	12	14,360	3.55	510	3-72		40	1,074	.03	44	69
32-27-C545	7521439	1427381	4-68	2	284	17,640	3.21	566	13	15,155	3.52	534	11-71		40	981	.00	35	58
32-27-C763	6829945	1261857	9-66	4	300	17,840	3.66	653	32	15,480	3.84	594	11-71		44	687	.03	30	45
32-27-9763	6772404	1261857	9-66	3	305	17,580	4.22	741	27	15,557	3.80	591	3-71		42	637	.11	40	52
32-27-9763	6772411	1261857	11-66	3	305	20,917	3.71	777	30	15,460	3.80	588	4-71		42	1,031	.05	45	68
32-30-0323	6907958	1261857	6-67	2	305	17,705	3.68	652	7	15,335	3.69	566	7-71		40	655	.06	32	46
32-30-0323	6926210	1261857	7-67	2	300	16,640	3.68	612	9	14,840	3.76	558	10-71		40	592	.05	29	42
32-30-0323	7007933	1261857	8-67	2	301	16,780	3.87	649	9	14,840	3.76	558	10-71		40	606	.07	32	45
32-30-0820	7239595	1377954	6-68	1	305	20,190	3.57	720	5	14,900	3.71	553	8-71		36	774	.00	28	46
32-32-0046	6326011	1370469	8-64	3	305	22,163	3.11	689	17	15,020	3.50	526	1-71		38	1,032	-.11	20	48
32-32-0046	7350142	1352991	7-69	1	305	17,120	3.23	553	43	13,540	3.52	477	8-71		31	873	-.08	20	43
32-33-C323	7073239	1458744	2-68	2	305	19,670	3.66	719	12	15,930	3.84	611	1-72		40	845	-.02	27	48
32-34-C990	7507594	1427381	12-69	1	305	17,000	3.52	598	30	15,260	3.77	575	8-71		36	903	.02	36	57
32-35-C003	6696999	1352991	9-66	3	304	21,766	3.47	755	10	14,456	3.63	525	2-72		38	1,440	-.06	42	78
32-35-0003	6697002	1352991	9-66	3	305	18,070	3.32	600	21	14,046	3.62	508	11-71		38	1,026	-.08	24	51
32-35-0003	6808330	1352991	2-67	3	305	21,346	3.48	743	20	13,933	3.61	503	11-71		38	1,446	-.06	43	79
32-35-0003	6808331	1352991	3-67	3	278	16,803	3.51	589	12	14,220	3.58	509	1-72		38	848	-.05	23	45
32-35-0003	6891722	1352991	9-67	3	295	19,360	3.47	672	21	14,123	3.59	507	11-71		38	1,177	-.06	33	63
32-35-0003	6891724	1352991	10-67	2	305	16,175	3.85	623	17	13,390	3.67	492	1-71		35	841	-.02	27	48
32-35-0003	6932318	1352991	9-67	2	305	19,675	3.35	659	23	14,455	3.58	517	11-71		35	1,119	-.07	29	58
32-35-C827	7284333	1406271	4-67	2	305	19,825	3.67	727	5	14,220	3.60	512	1-72		40	951	.04	41	62
32-36-0210	6693275	1458744	12-66	3	299	17,276	3.56	615	17	13,986	3.64	509	7-71		42	809	-.01	27	47
32-36-0210	6837645	1331709	11-66	3	300	19,757	4.25	840	19	15,080	3.70	558	1-72		42	771	.06	37	54
32-36-0210	7078195	1413165	9-67	2	305	21,675	3.45	747	9	15,700	3.53	554	6-71		40	951	-.09	20	45
32-36-0210	7423137	1458744	9-69	1	305	20,450	3.27	669	24	15,250	3.53	539	10-71		36	873	-.04	26	48
32-36-0280	7249546	1394348	11-68	2	305	24,970	3.36	838	8	17,795	3.50	622	1-72		40	853	-.05	23	45
32-37-C762	7248857	1427381	1-69	1	305	19,030	3.72	707	7	15,470	3.78	585	4-71		36	1,041	.04	43	67
32-38-0324	6172224	1414935	1-64	5	300	21,480	3.60	774	25	16,090	3.72	598	7-71		36	1,001	-.03	32	57
32-42-0411	6941974	1487002	8-67	3	305	22,333	3.43	767	34	15,880	3.54	562	12-71		32	950	-.03	29	53
32-42-0411	7111050	1427381	5-68	2	305	21,840	3.59	785	58	15,710	3.51	552	11-71		40	1,357	.04	56	87
32-42-C411	7243045	1487002	10-68	2	305	21,485	3.50	751	25	15,825	3.54	560	2-72		29	754	-.02	24	43
32-43-0012	7014248	1298372	1-68	2	305	21,000	3.76	789	20	12,985	3.87	502	11-71		40	870	-.02	29	50
32-43-0046	5992129	1244845	10-63	7	305	23,291	3.58	834	23	16,840	3.65	614	12-71		44	1,060	-.03	33	59
32-43-C046	7069743	1458744	9-67	3	304	21,890	3.85	842	23	16,966	3.58	608	1-72		42	1,031	.04	43	66

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C O	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
32-43-0046	7455773	1417208	12-69	1	305	24,450	3.08	752	29	16,890	3.59	606	10-71		36	993	-.05	28	$ 53
32-43-0047	6783941	1476904	9-66	3	305	21,677	3.70	803	15	16,700	3.53	590	4-72		29	742	.03	32	49
32-43-0047	7329484	1516486	12-68	2	305	21,690	3.94	854	20	17,300	3.60	623	1-72		25	592	.06	31	43
32-43-0047	7584058	1427381	9-69	1	305	22,110	3.59	794	31	17,060	3.57	609	10-71		36	1,163	.04	48	75
32-43-0051	7069747	1485549	9-67	3	305	21,853	3.67	801	20	17,410	3.57	621	11-71		29	676	.02	27	43
32-43-0322	5777083	1199324	11-62	4	305	19,155	3.32	636	12	14,970	3.63	543	1-71		44	960	-.06	26	50
32-43-0322	6796435	1458744	12-66	4	302	16,572	3.95	654	9	14,195	3.66	519	3-72		44	716	.04	32	48
32-43-0442	7622074	1427381	8-68	2	305	19,210	3.36	646	9	15,445	3.50	540	2-72		40	1,114	.02	43	69
32-43-0821	6555523	1458917	2-66	3	305	19,827	3.81	756	13	14,537	3.52	511	12-71		41	569	.08	33	44
32-43-0821	7619878	1417208	8-68	2	305	16,965	3.73	633	10	12,575	3.65	459	10-71		40	813	.02	32	51
32-43-9161	7266870	1427381	1-69	1	189	19,800	4.34	860	23	17,510	3.88	680	1-71	B	36	961	.09	48	68
32-43-9483	5855620	1189870	3-63	4	305	22,955	4.28	982	19	16,595	3.81	632	2-71		44	1,012	.11	53	74
32-43-9483	6368792	010229512	12-62	3	293	21,293	4.02	856	51	16,400	3.73	612	2-72		42	683	.12	42	55
32-43-9483	6989391	1370904	5-64	3	305	26,583	3.40	903	24	16,773	3.76	630	11-71		41	1,019	-.06	28	54
32-43-9483	7305201	010229512	4-64	3	305	20,513	4.82	988	23	17,040	3.84	654	9-71		42	525	.23	53	59
32-44-0331	6993145	1393854	12-67	2	305	22,020	3.28	723	7	16,715	3.61	604	2-72		40	647	.04	30	44
32-44-0654	6317871	1237057	7-65	1	305	21,930	3.51	769	17	14,610	3.78	552	1-72		36	844	-.06	21	43
32-44-9043	5924525	1411766	8-63	6	305	19,013	3.75	713	6	14,233	3.52	501	9-71		36	614	.08	34	46
32-44-9043	7131989	1458744	9-68	1	305	17,920	3.79	680	19	14,430	4.07	587	3-72		36	739	-.02	24	42
32-44-9043	7307148	1399654	2-69	2	305	19,390	4.09	793	25	14,935	3.96	592	1-72		40	698	.09	39	53
32-44-9043	7415505	1427381	9-69	1	305	21,100	3.64	769	21	14,600	3.85	562	10-71	H	36	1,253	.03	50	79
32-44-9043	7415508	1427381	10-69	1	305	18,480	3.68	680	21	14,600	3.85	562	10-71		36	1,058	.03	43	67
32-44-9101	5363540	1232296	1-61	9	305	20,596	3.37	695	14	15,152	3.55	538	3-72		44	1,014	.02	40	64
32-44-9101	6517777	1267271	11-65	5	304	18,638	4.28	797	22	15,452	3.57	551	2-72		44	688	.09	38	52
32-44-9101	7011902	1336050	10-67	3	303	22,463	3.20	719	24	15,560	3.56	554	11-71		42	1,227	-.06	35	66
32-44-9650	5825666	1379945	10-62	5	305	21,382	3.42	732	37	15,184	3.72	565	12-71		37	1,032	-.07	27	53
32-44-9650	6706818	1410708	9-66	3	305	18,730	4.15	777	12	17,133	3.54	607	4-71		36	481	.13	36	44
32-44-9650	6721905	1493449	1-67	3	305	19,640	3.59	705	30	14,580	3.66	534	4-71		32	733	-.02	24	42
32-44-9966	6383707	1439617	7-65	4	299	21,650	3.52	763	19	16,913	3.62	613	2-71		35	768	-.02	24	43
32-44-9966	6775299	1458744	11-66	2	305	23,855	3.52	839	23	16,635	3.62	603	11-71		40	1,205	-.02	40	69
32-44-9966	6968111	1485009	3-67	3	305	20,753	3.47	720	21	16,560	3.65	605	10-71		32	815	-.04	23	44
32-45-0533	6691056	1244009	10-66	4	305	19,975	3.31	662	11	15,503	3.56	552	3-72		44	962	-.08	23	43
32-45-9320	4822141	1277832	1-59	6	305	18,138	4.00	725	14	14,117	3.66	516	2-71		39	557	.10	35	46
32-45-9320	7040941	1261857	12-67	2	305	18,280	4.06	742	11	15,245	3.55	541	5-71		40	721	.11	43	57
32-45-9320	7040942	1261857	3-68	2	305	15,565	4.20	653	14	12,415	3.51	436	8-71		40	704	.12	44	57
32-46-0102	6764543	1261857	2-67	2	305	17,215	3.79	653	11	14,975	3.54	530	2-71		40	638	.08	35	48
32-46-0321	5757147	1154946	8-62	6	305	20,107	4.03	811	29	15,725	3.73	586	3-71		44	739	.04	32	49
32-46-0321	7262377	1435446	10-68	2	305	19,830	4.01	795	20	16,330	3.64	595	3-72		31	550	.08	32	43
32-46-0333	6892499	1261857	10-67	2	305	19,830	3.82	757	33	16,995	3.61	614	5-71		40	719	.08	38	53
32-46-0333	7413517	1447414	11-69	1	305	19,480	3.74	729	44	17,590	3.66	644	12-71		35	777	-.02	25	44
32-46-0333	7466171	1447414	12-69	1	303	22,520	3.61	814	35	17,530	3.63	637	1-72		35	1,010	-.03	32	57
32-46-0333	7466172	1447414	1-70	1	305	21,110	3.73	788	24	17,890	3.63	649	3-72		35	879	-.02	29	50
32-46-0482	6579576	1461461	4-66	3	305	21,573	3.48	751	7	15,916	3.61	574	3-71		33	857	-.03	26	47
32-46-0482	6742257	1461461	11-66	4	300	20,965	3.42	718	14	16,005	3.69	590	12-71		35	813	-.05	21	42
32-46-0483	6207426	1283917	10-64	6	298	22,920	3.18	729	40	16,695	3.63	606	2-72		44	1,034	-.14	15	44
32-46-0483	6332930	1390608	6-65	5	298	21,342	3.74	798	39	16,188	3.62	586	10-71		35	820	.04	35	54
32-46-0483	6684768	1398216	8-66	3	305	22,857	3.19	729	43	16,827	3.57	600	2-71		42	1,054	-.10	22	50
32-46-0535	7077859	1417208	10-67	1	305	19,550	4.06	793	12	15,550	3.61	561	8-71		36	717	.05	34	50
32-46-0711	7016483	1261857	6-67	1	305	18,310	3.95	723	32	16,310	3.60	587	10-71		36	594	.09	35	47
32-46-0711	7016484	1261857	7-67	3	305	22,407	4.02	900	26	16,453	3.65	601	11-71		42	1,100	.12	58	31
32-46-9041	6677017	1432457	8-56	3	305	22,963	3.50	803	8	16,710	3.66	612	9-71		41	808	-.03	25	45
32-46-9100	6377330	1309948	8-65	5	303	22,378	4.05	907	13	16,680	3.72	621	12-71		43	976	.06	44	66
32-45-9100	6927519	1469145	8-67	3	299	24,973	3.41	852	9	17,543	3.70	649	2-72		29	1,104	-.06	31	59
32-46-9324	5837686	1395376	10-62	6	302	19,417	4.30	834	41	13,813	3.70	511	9-71		32	879	.13	51	56
32-46-9324	7284605	1408640	8-68	2	305	20,300	3.46	702	75	13,790	3.61	498	10-71		40	859	-.02	28	49
32-46-9590	5807114	1373055	7-65	3	305	29,800	3.50	1043	37	17,306	3.72	643	2-72		42	1,635	-.07	48	89
32-46-9590	7046540	010275932	8-67	2	302	21,920	4.13	905	27	17,780	3.67	652	3-71		40	578	.09	34	45
32-46-9590	7522983	010287171	4-68	1	305	26,980	3.54	954	37	17,140	3.76	645	12-70		35	1,099	-.07	29	57
32-46-9710	7086946	1432457	6-67	3	305	22,196	3.75	832	20	16,536	3.71	614	10-71		41	735	.01	28	45
32-46-9710	7086950	1432457	9-67	2	305	24,630	3.37	829	20	17,235	3.60	621	2-71		38	843	-.04	24	45
32-46-9710	7603395	1426616	8-69	1	305	21,900	3.59	787	33	17,640	3.69	651	11-71		33	763	-.02	25	44
32-47-0620	6940101	1387978	12-67	3	279	20,570	3.58	736	5	16,383	3.61	592	1-72		42	894	-.01	30	52
32-47-0620	7436023	1477381	9-69	1	305	19,980	3.42	684	25	15,570	3.53	549	9-71		35	677	.02	27	43
32-47-0962	6394017	1406271	6-65	3	285	17,383	3.56	618	11	14,253	3.40	484	6-71		42	729	.04	33	49
32-50-0047	6999305	1261857	11-67	3	297	16,830	3.64	613	9	14,940	3.73	557	10-71		42	615	.05	29	42
32-50-0284	7571998	1427381	11-69	1	305	16,040	4.13	663	34	14,390	4.04	581	9-71		36	890	.05	40	60
32-50-0410	6845282	1431838	8-65	3	305	19,593	3.84	753	6	13,986	3.81	533	10-70		32	864	.03	35	55
32-50-0700	6835321	1239480	7-65	4	305	18,520	3.93	727	20	14,070	3.84	540	12-71		39	698	.05	32	47
32-50-0714	5385228	1138441	3-61	8	305	22,940	3.33	764	9	14,111	3.71	523	6-71		44	1,470	-.13	32	71
32-50-0714	6356311	1345461	3-65	5	305	18,518	4.04	749	11	13,654	3.72	508	10-71		43	828	.07	40	58
32-50-0825	6684474	1261857	9-66	4	305	20,840	4.06	847	22	16,013	3.66	586	3-72		44	998	.12	55	75
32-50-0862	7374590	1330987	6-68	1	305	17,480	4.44	776	11	15,310	3.57	547	9-71		36	486	.11	34	43
32-50-9592	6419111	1239480	9-65	4	305	20,932	3.65	763	24	16,602	3.84	637	11-71		39	716	-.01	25	42
32-50-9592	6618267	1239480	5-66	2	305	21,175	4.05	858	24	16,425	3.85	632	11-70		35	664	.07	34	48
32-50-9592	6618274	1393721	6-66	3	305	24,013	3.37	810	22	16,960	3.84	651	8-71		36	893	-.09	19	43
32-52-0043	5760190	1345640	3-62	8	295	19,801	3.65	722	23	15,733	3.68	579	11-71		36	886	.02	35	56
32-52-0043	6285365	1438023	10-64	5	302	17,708	3.64	644	16	14,740	3.77	555	9-71		37	804	-.04	23	43
32-52-0043	6752349	1438023	9-66	4	296	18,260	3.49	638	26	15,062	3.66	552	11-71		36	832	-.05	22	43
32-52-0043	6759757	1438023	1-67	4	305	20,582	3.45	711	10	15,567	3.61	562	3-72		36	1,093	-.05	31	59
32-52-0043	7072569	1308101	12-67	2	305	18,605	3.71	691	17	16,120	3.62	583	2-72		40	848	-.01	29	49
32-52-0320	5605309	1344467	2-62	6	304	22,013	3.39	747	22	13,980	3.69	516	12-71		35	1,278	-.06	36	68
32-52-0320	5725591	1138441	12-62	5	305	23,138	3.49	807	23	14,012	3.69	517	7-71		44	1,507	-.10	38	77
32-52-0320	6859315	1458744	8-67	2	305	18,520	3.40	630	33	14,700	3.63	533	11-71		40	841	-.03	25	46
32-52-0320	7222903	1458744	5-68	2	305	16,650	3.76	626	46	13,635	3.53	481	10-71		40	748	.02	30	47
32-52-0535	7476192	1427381	9-69	1	305	16,700	3.56	595	11	12,540	3.81	478	12-71		36	1,063	.02	42	67

TABLE 3. HOLSTEIN USOA-OHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C D	REPT (%)	.......C O W MILK (LB)	I N D E X....... FAT (%)	FAT (LB)	DOL-LARS
32-52-0535	7476196	1427381	12-69	1	305	17,000	3.27	556	11	12,540	3.81	478	12-71		36	1,086	.00	39	$ 65
32-52-9043	5533635	1345640	9-61	5	305	17,038	3.99	680	18	14,994	3.71	557	8-71		36	575	.07	31	43
32-52-9043	6752348	1438023	9-66	3	305	19,206	3.35	644	13	14,760	3.72	549	6-71		34	970	-.08	23	48
32-54-0411	6858770	1303502	9-66	3	305	19,980	3.54	707	6	14,647	3.58	525	1-72		42	703	.00	25	42
32-54-0411	7507193	1427381	8-69	1	305	17,530	3.24	568	17	13,060	3.53	461	8-71		36	1,090	.01	41	67
32-54-0766	7292837	1427381	1-69	1	305	20,120	3.87	779	38	13,480	3.84	517	8-71		36	1,255	.05	53	81
32-55-9160	6629133	1352991	3-66	3	295	17,076	3.26	556	19	14,350	3.20	459	10-70		38	868	-.05	24	46
32-56-0760	7585524	1427381	8-69	1	305	16,240	3.91	635	19	14,570	3.97	578	8-71		36	893	.04	39	59
32-57-0539	6514880	1417208	12-65	4	293	17,990	4.17	750	26	16,413	3.63	595	2-72		44	584	.09	35	46
32-57-9621	6851920	1449306	7-67	3	305	21,026	3.36	706	6	14,813	3.75	555	2-72		34	1,004	-.09	22	48
32-57-9769	6706819	1410708	9-66	3	305	21,963	3.40	747	9	17,960	3.59	644	2-71		36	802	-.01	28	47
32-57-9769	6853643	1410708	5-67	3	298	19,676	3.81	749	10	16,723	3.60	602	11-71		36	651	.06	33	47
32-61-0410	6829594	1419851	9-66	3	305	19,066	3.88	740	19	14,316	3.69	528	6-71		34	714	.04	32	48
32-61-0410	7255570	1427381	10-68	1	305	17,570	3.63	638	32	13,490	3.57	481	8-71		36	1,065	.04	45	69
32-61-0410	7343389	1427381	10-68	1	305	15,330	3.60	552	32	13,490	3.57	481	8-71		36	898	.04	39	59
32-64-0654	6906952	1417208	7-67	3	305	22,837	3.58	818	11	18,153	3.66	665	2-72		42	955	.00	34	57
32-64-9762	7074483	1458744	12-67	2	305	20,590	3.33	685	23	16,485	3.55	586	6-71		40	888	-.04	26	48
32-64-9762	7340984	1427381	2-69	1	305	21,600	3.71	802	21	16,670	3.53	589	6-71		36	1,152	.05	50	76
32-66-0442	5776750	1345461	11-61	8	303	20,035	3.62	725	12	15,833	3.63	575	12-71		43	769	.01	29	47
32-66-0442	5863582	1384478	2-63	5	305	19,858	3.58	710	30	16,758	3.66	614	11-71		36	736	.00	27	44
32-66-0442	7674182	1504830	11-68	1	305	21,850	3.30	720	17	15,810	3.95	624	3-71		30	934	-.09	20	45
32-67-0241	6291732	1366900	10-64	4	302	19,990	3.08	616	21	15,150	3.49	528	12-70		35	952	-.11	17	43
32-67-0380	6042775	1192713	3-63	5	305	15,934	3.54	564	34	12,094	3.37	408	12-71		44	675	.01	26	42
32-67-9040	6558793	1452345	8-65	4	305	20,032	3.77	755	33	15,545	3.74	581	8-71		41	757	.00	27	45
32-67-9040	7115327	1261857	11-67	2	305	18,190	3.89	708	53	14,955	3.75	561	11-71		40	739	.08	38	54
32-67-9040	7677164	1447414	9-69	1	290	17,230	3.56	613	50	14,750	3.74	552	9-71	H	35	800	-.04	23	43
32-68-0108	6239900	1352991	2-65	4	305	19,082	3.84	732	9	13,582	3.73	507	8-70		39	1,234	-.02	42	72
32-68-0535	7341379	1493686	8-68	1	305	22,050	3.45	761	6	17,630	3.61	636	3-71		35	782	.02	31	49
32-68-0770	5326852	1328260	1-61	8	304	21,230	3.15	669	11	13,775	3.35	462	8-71		39	1,051	-.07	27	54
32-68-0770	5739099	1271810	9-62	5	305	20,898	3.05	637	14	15,292	3.30	504	12-71		44	1,017	-.10	22	49
32-68-0770	7015374	1418927	8-67	2	305	22,075	3.58	791	19	15,145	3.24	491	10-71		40	843	.04	37	56
32-70-0322	7172309	1413165	2-67	3	288	21,670	3.37	731	19	15,016	3.76	564	9-71		42	1,092	-.13	20	49
32-70-0325	7439940	1489981	11-69	1	305	17,360	4.43	769	15	11,430	4.08	466	3-72		35	612	.13	42	53
32-71-0323	6456517	1268297	12-65	4	295	17,908	3.55	636	9	13,453	3.69	496	5-71		43	729	.04	32	48
32-71-0480	6193744	1330987	10-64	5	305	17,942	3.92	703	13	13,504	3.76	508	11-71		44	839	.06	40	58
32-71-0480	6662729	1330987	8-66	3	305	19,330	3.98	769	8	15,593	3.75	585	7-71		42	732	.07	37	53
32-71-0480	7264424	1427381	10-68	1	305	20,040	3.40	681	16	15,590	3.57	556	2-71		36	1,108	.02	43	69
32-71-9531	6751070	1406271	10-66	3	305	15,980	3.45	551	6	12,960	3.68	477	6-71		42	702	.00	26	43
32-73-0043	6789046	1483970	1-67	3	295	19,973	3.13	626	12	13,240	3.58	474	2-71		33	938	-.08	22	46
32-73-0043	7226624	1427381	8-68	2	285	18,790	3.81	715	26	13,170	3.69	486	3-72		40	1,279	.06	55	84
32-73-0321	7660520	1308101	1-69	1	305	17,510	3.86	676	23	14,060	3.87	544	8-71		36	869	-.02	29	50
32-74-0761	6517100	1437311	11-65	5	301	18,474	3.87	715	21	14,188	3.73	529	12-71		36	665	.03	29	44
32-74-0761	6652432	1437311	8-66	2	305	20,230	3.73	755	17	14,235	3.65	519	1-71		30	741	.02	29	46
32-74-0761	7265666	1387978	10-68	2	305	20,690	3.55	734	51	13,980	3.68	515	11-71		40	1,081	-.03	35	61
32-74-0761	7465242	1447414	8-69	1	305	16,190	3.64	589	36	14,080	3.67	517	8-71		35	767	-.03	23	42
32-74-0761	7465243	1447414	8-69	1	305	17,830	3.58	638	36	15,620	3.73	582	12-71		35	786	-.04	23	43
32-74-0761	7502705	1447414	8-69	1	305	17,330	3.36	582	36	14,080	3.67	517	8-71		35	853	-.05	23	45
32-74-0761	7533684	1447414	8-69	1	305	17,590	3.59	631	36	14,080	3.67	517	8-71		35	872	-.04	26	48
32-74-0761	7533686	1447414	9-69	1	305	16,370	3.46	567	36	14,080	3.67	517	8-71		35	780	-.04	22	42
32-74-0761	7606007	1447414	9-69	1	305	16,410	3.63	595	30	13,880	3.65	506	7-71		35	797	-.03	24	44
32-75-0481	6075641	1411421	12-63	6	299	18,905	3.62	684	19	14,162	3.90	552	12-71		34	1,010	-.04	31	56
32-75-0481	7118218	1427381	8-68	1	305	18,480	3.75	693	26	14,380	3.99	574	9-71		36	1,073	.03	43	68
32-75-0481	7247738	1427381	10-68	1	305	17,190	3.62	622	12	15,010	4.02	603	4-71		36	934	.02	36	58
32-75-0481	7247739	1427381	12-68	1	305	19,410	4.62	897	27	15,040	3.97	597	10-71		36	1,098	.11	57	80
32-75-0481	7247740	1427381	12-68	1	305	17,620	4.05	714	7	15,470	3.95	611	4-72		36	935	.05	42	63
32-75-0481	7336299	1427381	10-68	1	305	19,320	3.95	763	12	15,010	4.02	603	4-71		36	1,093	.04	46	71
32-75-0481	7624293	1427381	9-69	1	305	20,300	3.75	761	12	15,680	3.95	619	3-72		36	1,121	.03	45	71
32-76-0768	7256255	1458744	11-67	2	298	19,865	3.79	752	29	14,065	3.74	526	8-71		40	1,035	.00	38	63
32-76-0768	7256256	1458744	4-68	2	305	17,030	3.63	618	28	14,015	3.73	523	6-71		40	752	-.01	25	43
32-88-0651	7019181	1511226	1-68	3	302	21,527	3.24	697	39	16,263	3.35	545	2-72		29	777	-.04	22	42
32-88-0651	7571865	1509821	3-70	1	292	20,010	3.88	776	30	15,370	3.45	531	4-72		23	621	.06	31	44
32-88-9282	6885268	1330987	5-67	3	302	23,750	3.59	852	16	16,357	3.29	538	6-71		42	1,162	.06	52	78
32-88-9282	7112169	1330987	7-68	1	305	26,580	3.13	831	25	18,750	3.46	649	11-71		36	934	-.02	31	54
32-88-9282	7164697	1427381	8-68	2	305	27,550	3.30	910	26	17,460	3.29	574	11-71		40	1,777	.01	66	108
32-88-9282	7164698	1427381	8-68	2	301	22,885	3.13	716	28	17,180	3.32	570	9-71		40	1,329	-.01	47	79
32-88-9282	7251640	1427381	10-68	1	305	23,600	3.17	749	27	18,050	3.05	551	12-70		36	1,208	.03	49	77
32-88-9282	7535785	1464901	12-69	1	305	23,190	3.04	704	32	18,540	3.12	579	2-72		33	1,025	-.04	31	56
32-89-0044	6678819	1222994	7-66	3	305	21,940	4.27	937	74	16,220	3.72	603	1-71		42	943	.10	50	70
32-89-0044	6678830	1261857	9-66	3	305	21,030	3.58	752	74	16,383	3.74	612	2-71		42	949	.04	40	62
32-89-0044	6952508	1303502	11-67	3	294	21,860	3.72	814	67	16,897	3.74	632	1-72		42	686	.02	27	43
32-89-0108	5554277	1377265	4-62	5	304	19,950	4.05	807	5	14,710	3.49	514	4-71		34	839	.11	47	64
32-89-0108	5821759	1199324	11-62	3	305	17,560	3.76	660	6	14,803	3.62	536	7-71		42	769	.01	29	47
32-89-0328	6232364	1391780	10-64	5	303	18,654	3.55	663	19	14,196	3.61	512	1-71		35	818	-.03	25	45
32-89-0414	7379502	1502622	12-67	3	292	20,733	3.56	738	7	14,910	3.69	550	1-72		32	956	-.02	32	55
32-89-0440	6912730	1323989	11-67	2	305	20,850	3.57	745	12	13,750	3.53	485	9-71		39	780	.00	28	47
32-89-0531	6624311	1413165	7-66	3	296	21,526	3.53	759	14	15,143	3.41	517	4-71		42	1,062	-.07	28	55
32-89-0531	7131565	1525099	9-68	2	304	20,910	3.64	762	5	15,050	3.48	524	3-72		32	836	.03	34	53
32-89-0820	7228327	1261857	8-68	1	305	20,200	3.42	690	10	16,120	3.64	586	4-72		36	748	.04	33	50
32-90-0950	6756287	1406271	1-67	3	232	15,883	4.17	662	21	14,280	3.68	526	2-72		42	554	.09	34	45
32-91-0322	5746386	1361141	9-61	7	304	21,303	3.80	810	12	15,093	3.89	587	8-71		32	996	.01	37	61
32-91-0322	7143698	1488930	10-66	3	305	18,030	4.42	797	13	14,140	3.90	551	10-71		29	551	.11	36	46
32-91-0760	4862963	1060259	1-59	10	300	19,005	3.88	738	23	14,295	3.76	537	8-71		44	918	.01	34	56
32-91-0760	6271937	1330987	10-64	5	304	20,712	3.88	803	37	15,898	3.79	602	4-71		44	919	.06	42	62
32-91-0760	6550137	1330987	1-66	4	299	20,128	3.68	741	37	15,815	3.82	604	1-72		44	832	.02	33	52
32-91-0760	7328328	1427381	3-69	1	294	17,350	4.03	699	41	15,050	3.82	575	6-71		36	944	.06	43	64

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C O	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
32-91-0760	7328329	1427381	3-69	1	305	16,380	4.06	665	31	14,830	3.80	564	7-71		36	886	.07	42	$ 61
32-92-0327	6878019	1261857	8-66	2	305	16,385	3.81	625	10	14,175	3.68	521	4-71		40	627	.07	33	46
32-92-0714	6107415	1417248	6-64	2	305	20,340	3.51	713	7	13,265	3.59	476	9-71		25	881	-.01	30	51
32-92-0900	6890125	1261857	6-67	3	288	15,340	3.72	571	18	12,513	3.59	449	5-71		42	695	.07	36	51
32-92-0903	7008440	1497029	11-67	1	305	22,090	3.56	786	7	13,690	3.57	489	9-71		29	754	.02	30	47
32-92-0960	7087962	1477381	4-68	2	305	18,325	3.54	648	23	14,815	3.53	523	9-71		39	678	.02	28	44
32-92-9040	5796728	1237057	12-62	7	302	19,703	3.44	678	13	14,463	3.64	527	8-71		44	937	-.06	24	48
32-92-9040	6445368	1085978	2-64	5	305	20,160	3.38	681	16	15,528	3.60	559	2-72		44	1,017	-.06	28	54
32-92-9441	6467564	1452883	11-65	4	305	19,660	3.45	678	6	14,768	3.58	528	5-71		30	750	-.03	23	42
32-92-9711	7465367	1458744	11-69	1	305	18,600	3.06	569	30	13,240	3.47	460	1-72		36	870	-.05	24	46
32-94-9650	6680863	1315578	12-66	3	305	18,313	3.90	714	43	15,086	3.56	537	2-71		42	535	.13	38	47
32-94-9650	6969350	1357797	11-67	3	304	15,803	3.94	623	47	13,500	3.63	490	1-72		42	468	.14	37	45
32-94-9650	6992853	1475574	10-67	3	305	19,063	3.61	688	58	14,040	3.63	510	1-72		37	789	-.01	27	46
32-94-9650	7307440	1355784	1-69	2	305	19,105	3.48	664	59	14,210	3.66	520	12-71		40	980	-.08	23	49
32-94-9650	7549535	1242221	11-69	1	305	18,150	3.79	688	49	13,590	3.69	501	1-72		34	1,017	.02	39	63
32-94-9650	7611381	1242221	8-69	1	305	17,150	3.24	555	53	13,700	3.69	505	12-71		34	932	-.04	28	51
32-94-9650	7611382	1242221	11-69	1	290	15,730	3.78	594	49	13,590	3.69	501	1-72		34	830	.01	31	51
33-01-0110	6680049	1308101	9-66	3	305	19,463	3.31	645	8	15,360	3.56	547	11-71		42	1,041	-.06	28	55
33-01-0110	6793989	1308101	12-66	3	305	17,226	3.74	645	9	14,823	3.52	522	8-71		42	840	.00	31	51
33-01-0110	6955701	1308101	9-67	3	305	17,296	3.64	629	9	15,220	3.55	540	3-72		42	807	-.01	27	47
33-01-0110	7150198	1308101	7-68	2	305	20,025	3.10	621	11	15,905	3.53	561	1-72		40	1,012	-.08	24	50
33-01-0140	6204570	1410270	1-64	6	300	20,285	3.48	705	7	14,865	3.60	535	11-71		37	883	.00	32	53
33-01-0173	6761455	1330987	11-66	3	305	19,353	3.45	668	10	14,370	3.73	36	4-72		42	862	.00	31	52
33-01-0173	7245769	1427381	12-68	1	305	19,290	3.31	639	26	13,920	3.56	496	10-71		36	1,164	.01	44	71
33-01-0274	7161467	1315578	2-68	3	305	16,670	3.64	606	11	13,096	3.34	437	2-72		42	552	.11	36	46
33-01-0440	7516285	1308101	10-69	1	305	17,760	3.12	554	41	13,990	3.92	548	10-71		36	893	-.09	19	43
33-01-0511	7375348	1427381	3-69	1	305	19,420	3.51	681	9	14,840	3.62	537	3-72		36	1,112	.03	45	71
33-01-0717	6235368	1244845	12-64	5	301	19,048	3.29	626	17	13,864	3.53	489	5-71		44	858	-.07	21	43
33-01-0717	7614054	1427381	3-69	1	305	15,770	3.57	563	23	13,120	3.56	467	8-71		36	955	.04	41	63
33-01-0718	6245940	1330183	8-64	5	305	20,534	3.49	717	12	14,426	3.58	516	2-71		44	815	-.04	24	44
33-02-0210	6184245	1189870	11-63	4	305	20,443	3.50	716	15	15,025	3.77	567	7-71		44	877	-.03	27	49
33-02-0210	6536656	1237057	9-65	4	302	20,090	3.43	689	29	15,205	3.68	559	9-71		44	877	-.07	21	44
33-02-0210	6536657	1237057	12-65	4	305	21,263	3.51	747	30	15,730	3.67	577	1-72		44	963	-.06	26	50
33-02-0210	7115075	1458744	6-68	2	282	18,990	3.28	623	19	15,135	3.50	529	7-71		40	849	-.04	25	46
33-02-0211	6230892	1315578	1-65	5	304	16,884	3.97	670	9	14,264	3.69	527	12-71		44	486	.12	35	43
33-02-0213	7106563	1458744	7-68	2	282	16,535	3.53	584	62	13,795	3.52	486	1-72		40	722	-.01	25	42
33-02-0240	7422341	1427381	9-69	1	305	17,880	3.82	683	35	15,270	3.50	534	11-71		36	968	.07	45	66
33-02-0240	7545512	1427381	8-69	1	305	18,620	3.47	647	8	15,480	3.47	537	3-72		36	1,009	.04	42	65
33-02-0240	7610564	1427381	12-69	1	305	18,460	3.50	647	8	15,480	3.47	537	3-72		36	997	.04	42	65
33-02-0440	5592157	1181029	7-61	9	302	22,116	3.80	841	11	16,564	3.66	607	2-72		44	764	.05	35	52
33-02-0440	7270292	1308101	1-69	2	300	22,290	3.14	700	23	16,260	3.68	598	2-72		40	1,209	-.09	29	60
33-02-0441	5475926	1345456	11-61	8	304	21,658	3.69	799	15	15,394	3.59	552	9-71		35	1,149	.02	45	72
33-02-0441	5475927	1345456	11-61	8	304	21,529	3.60	775	14	15,533	3.56	553	8-71		35	1,110	.01	41	67
33-02-0441	6675719	1475584	9-66	2	305	23,460	3.50	821	23	15,590	3.57	557	1-71		25	1,011	-.02	34	59
33-02-0441	7103067	1488038	1-68	3	305	22,090	3.27	723	15	16,150	3.59	580	3-72		29	872	-.06	22	44
33-02-0441	7225919	1427381	11-68	2	305	21,465	3.17	680	23	17,420	3.29	573	2-72		40	1,163	.01	43	73
33-02-0442	5362609	1352153	4-61	7	305	21,843	3.37	736	7	13,784	3.68	507	3-72		34	1,284	-.05	38	70
33-02-0443	7359753	1427381	10-68	2	298	16,780	3.61	606	18	14,380	3.55	511	12-71		40	965	.04	41	63
33-02-0443	7359755	1427381	12-68	1	305	17,160	3.58	615	12	15,160	3.56	539	9-71		36	922	.04	40	61
33-02-0443	7375195	1427381	9-68	1	305	22,860	3.35	765	20	13,190	3.58	472	11-70		36	1,479	.01	55	90
33-02-0443	7542624	1427381	10-68	2	295	18,705	3.49	653	16	14,130	3.56	503	9-71		40	1,183	.03	47	74
33-02-0443	7556502	1427381	9-69	1	305	22,890	3.44	788	17	15,590	3.55	554	11-71		36	1,320	.02	51	82
33-02-0443	7556505	1427381	2-70	1	305	20,140	3.90	786	8	17,540	3.51	615	3-72		36	984	.07	47	68
33-02-0714	6952647	1357743	11-67	3	305	23,347	3.72	868	20	16,550	3.77	624	1-72		42	911	-.02	30	52
33-02-0715	6990454	1315578	6-67	3	305	19,230	3.76	723	37	15,803	3.51	555	2-72		42	566	.12	38	48
33-02-0722	7359752	1427381	9-68	2	305	17,575	3.91	688	15	15,730	3.50	551	1-72		40	922	.08	46	66
33-02-0740	6249603	1279292	9-64	5	305	21,054	3.73	785	21	16,682	3.68	614	1-72		36	679	.01	26	42
33-02-0845	7451435	1308101	2-68	1	305	21,510	3.37	725	17	18,000	3.58	644	11-70		36	903	-.04	26	49
33-02-0845	7495612	1315578	3-68	2	305	18,895	3.90	737	12	16,415	3.51	576	5-71		40	433	.13	35	42
33-02-0845	7506706	1352979	2-70	1	301	24,920	3.19	795	7	17,030	3.48	593	2-72		36	920	-.10	18	43
33-03-0158	6808988	1308101	2-67	2	274	16,165	3.25	525	7	12,720	3.73	474	7-71		40	911	-.07	22	46
33-03-0211	6394293	1315578	4-64	5	305	16,020	4.08	654	19	13,176	3.74	493	11-70		44	501	.13	37	46
33-03-0211	6761537	1315578	3-67	3	305	16,826	4.04	680	23	13,406	3.68	494	12-71		42	538	.13	39	48
33-03-0211	7045721	1308101	3-68	2	305	17,995	3.40	611	26	12,965	3.76	487	2-72		40	1,074	-.06	30	57
33-03-0211	7260609	1485550	11-68	2	305	19,750	3.40	672	20	14,385	3.64	524	4-72		40	883	-.09	18	42
33-03-0211	7444779	1435064	11-69	1	305	20,330	4.44	902	29	13,420	3.76	504	12-71		33	720	.09	39	54
33-03-0313	6689951	1308101	9-66	4	298	18,475	3.54	654	16	16,132	3.81	614	9-71		44	856	-.06	22	44
33-03-0512	6336591	1244009	3-65	5	305	21,328	3.42	729	29	17,250	3.73	644	3-72		44	954	-.08	22	47
33-03-0512	7489287	1308101	8-69	1	305	20,830	3.29	685	28	17,690	3.69	653	8-71		36	873	-.06	22	44
33-03-0611	7353792	1308101	3-69	1	305	19,670	3.91	770	34	15,110	3.67	554	7-71		36	960	.00	35	58
33-03-0617	6313427	1292880	12-64	4	305	22,000	3.92	862	14	16,215	3.93	638	12-71		44	617	.05	30	43
33-03-0712	6500834	1315578	2-66	4	302	20,187	3.50	707	10	13,982	3.71	519	11-71		44	913	.05	41	61
33-03-0712	6997172	1352979	11-67	3	305	18,933	3.80	719	25	14,387	3.59	517	1-72		42	807	-.02	26	46
33-05-0150	7191741	1330987	5-67	3	292	18,090	3.70	670	11	13,717	3.81	523	1-72		42	784	.02	32	50
33-05-0444	7178883	1315578	5-68	1	305	20,090	3.88	779	9	15,930	3.69	588	10-70		36	493	.11	34	43
33-05-0475	6677802	1330987	7-66	4	305	21,698	3.63	788	16	14,833	3.78	560	3-72		44	1,135	.02	44	70
33-07-0143	6852526	1261857	6-67	2	304	16,825	3.99	671	12	14,875	3.78	563	6-71		40	608	.08	34	46
33-07-0143	6964522	1261857	5-67	3	303	18,437	3.81	702	11	15,663	3.72	583	1-72		42	725	.07	37	52
33-07-0143	6964523	1261857	9-67	2	305	16,045	4.14	665	17	14,140	3.79	536	7-71		40	596	.10	36	48
33-07-0143	7320334	1387978	2-69	1	305	18,510	3.79	702	18	14,780	3.79	560	8-71		36	710	.00	25	42
33-07-0171	7331481	1427381	3-69	1	305	15,450	4.06	628	29	13,380	3.73	499	8-71		36	914	.07	43	63
33-07-0171	7331482	1427381	3-69	1	305	16,320	4.11	671	29	13,380	3.73	499	8-71		36	979	.07	46	67
33-07-0212	7381964	1308101	4-69	1	305	20,540	3.33	685	20	15,230	3.68	560	9-71		36	1,017	-.06	28	54
33-07-0847	6938592	1308101	11-67	2	305	20,560	3.52	723	12	14,655	3.71	543	11-71		40	1,180	-.04	36	65
33-09-0003	6625253	1308101	9-66	4	302	18,400	3.35	616	69	14,812	3.52	522	12-71		44	994	-.05	28	53

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C O	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
33-09-0003	6661292	1308101	10-66	4	305	20,032	3.47	696	65	14,892	3.55	528	2-72		44	1,186	-.04	37	$ 66
33-09-0003	7384670	1308101	8-69	1	305	18,400	3.55	653	62	15,220	3.43	522	11-71		36	858	-.01	29	50
33-09-0003	7384671	1308101	8-69	1	305	18,260	3.49	638	65	15,440	3.42	528	12-71		36	833	-.02	27	47
33-09-0003	7495077	1427381	12-69	1	305	20,120	3.21	645	64	15,080	3.57	538	2-72		36	1,148	.00	42	69
33-09-0003	7495080	1427381	12-69	1	305	17,040	3.37	575	64	15,080	3.57	538	2-72		36	918	.03	37	58
33-09-0003	7495081	1427381	12-69	1	305	17,670	3.85	681	47	14,570	3.62	528	3-72		36	1,000	.06	45	67
33-09-0003	7495084	1427381	1-70	1	305	18,420	3.39	625	47	14,570	3.62	528	3-72		36	1,055	.02	41	66
33-09-0003	7495088	1427381	2-70	1	305	19,980	3.18	635	47	14,570	3.62	528	3-72		36	1,172	.00	42	7[illegible]
33-09-0003	7495089	1308101	10-69	1	305	19,600	3.15	618	65	15,440	3.42	528	12-71		36	932	-.05	26	5[illegible]
33-09-0153	7627989	1392858	10-68	2	303	18,300	3.84	702	6	13,975	3.32	464	1-72		40	625	.08	35	48
33-10-0145	7185293	1392858	7-68	1	305	23,510	3.81	895	16	17,380	3.54	615	2-72		36	682	.06	33	46
33-10-0671	6932952	1363507	11-67	3	305	22,943	3.46	793	9	17,390	3.58	623	2-72		42	819	-.06	21	42
33-10-0671	7207228	1392858	10-68	2	304	23,075	3.25	750	13	16,985	3.61	613	12-71		40	835	-.03	26	47
33-10-0671	7528880	1392858	1-70	1	305	25,650	3.40	872	15	17,730	3.63	643	1-72		36	818	.00	30	49
33-10-0672	7035861	1308101	7-67	3	305	21,060	3.57	751	5	18,743	3.36	629	3-72		42	875	.00	32	53
33-10-0672	7035865	1308101	2-68	2	305	20,840	3.38	704	7	17,290	3.40	588	11-71		40	968	-.03	30	54
33-10-0672	7035866	1308101	2-68	2	291	21,625	3.42	740	7	18,795	3.46	650	1-72		40	910	-.03	28	51
33-10-0672	7134304	1308101	7-68	1	305	22,230	3.52	783	6	18,420	3.42	630	4-71		36	929	-.02	31	54
33-11-0810	6628652	1432383	1-65	5	305	18,070	3.13	566	24	11,348	3.62	411	11-71		36	920	-.07	22	46
33-13-0210	6957039	1308101	10-67	2	305	19,825	4.32	856	21	14,850	3.82	568	12-71		40	1,068	.05	47	72
33-13-0210	7103147	1308101	3-68	2	305	22,830	3.60	822	21	15,060	3.81	574	1-72		40	1,374	-.04	43	77
33-13-0210	7376505	1308101	3-69	1	305	20,200	3.73	754	14	15,140	3.61	546	5-71		36	997	-.01	35	59
33-13-0210	7589419	1392858	1-70	1	305	21,540	4.41	950	12	17,770	3.79	674	3-72		36	509	.10	34	43
33-13-0273	7041260	1315578	3-68	2	305	19,115	3.63	693	28	15,055	3.45	520	8-71		40	580	.10	36	47
33-13-0311	6503830	1352979	11-65	4	301	19,835	3.66	725	24	15,180	3.75	570	2-71		44	862	-.06	22	44
33-13-0312	7605893	1458744	12-68	1	305	17,290	4.00	691	16	13,870	3.28	455	5-71		36	730	.04	33	49
33-13-0342	6504432	1315578	1-66	4	305	18,107	3.64	659	14	13,780	3.69	508	8-71		44	679	.08	36	50
33-13-0349	7301316	1363507	7-68	2	305	24,075	3.50	842	14	17,730	3.56	632	2-72		40	829	-.05	23	44
33-13-0349	7560455	1308101	7-69	1	305	20,890	3.43	717	20	17,120	3.60	616	11-71		36	916	-.04	27	50
33-13-0352	7134855	1386859	8-68	1	298	18,770	4.59	861	10	14,250	3.61	514	11-71		35	582	.11	30	49
33-13-0352	7379093	1308101	1-69	1	305	19,890	3.27	650	10	14,580	3.77	550	6-71		36	1,012	-.07	26	52
33-13-0353	6305490	1330987	2-65	3	305	17,997	3.45	621	25	14,043	3.60	505	8-71		42	739	.01	28	45
33-13-0353	6663261	1315578	11-66	4	297	17,145	3.93	674	38	14,742	3.65	538	11-71		44	453	.12	34	42
33-13-0353	6798748	1315578	3-67	3	305	17,476	4.05	708	23	15,390	3.56	548	9-71		42	407	.15	37	43
33-13-0353	7241012	1392858	11-68	2	305	20,740	3.53	733	28	15,305	3.81	583	1-72		40	752	.00	27	45
33-13-0512	6175203	1182696	12-64	5	302	21,182	3.79	803	29	14,642	3.69	540	8-71		44	1,093	.04	46	71
33-13-0512	6316776	1457920	5-65	5	303	21,100	3.43	724	27	15,096	3.72	562	9-71		35	953	-.04	28	52
33-13-0512	6491607	1352979	2-66	4	305	27,985	3.46	969	26	15,083	3.73	562	10-71		44	1,879	-.09	53	[illegible]
33-13-0512	6763921	1455132	12-66	3	297	21,010	3.54	744	23	14,893	3.79	565	3-71		33	866	-.03	27	48
33-13-0512	6872341	1485550	7-67	3	305	23,343	3.26	761	29	14,806	3.88	574	9-71		42	1,324	-.14	25	61
33-13-0678	7248621	1315578	10-68	2	305	18,005	4.12	741	28	15,305	3.84	588	1-72		40	445	.13	35	42
33-13-0680	7049229	1308101	8-67	1	300	19,180	3.80	728	5	15,550	3.67	571	4-72		36	894	-.01	31	53
33-13-0743	7444479	1308101	8-69	1	305	15,710	3.78	594	28	14,160	3.44	487	9-71		36	729	.00	27	44
33-18-0218	7164627	1308101	7-68	2	305	16,210	3.49	565	32	12,860	3.75	482	10-71		40	903	-.05	25	48
33-18-0218	7228637	1308101	9-68	1	305	16,940	3.25	550	29	13,500	3.61	487	1-71		36	864	-.05	23	45
33-18-0219	6683828	1308101	8-66	4	298	19,312	3.57	690	7	16,662	3.73	621	2-72		44	901	-.04	26	49
33-18-0219	6899473	1308101	7-67	3	299	18,713	4.26	798	7	16,530	3.64	602	1-72		42	834	.07	40	58
33-18-0277	6528438	1182696	11-65	4	305	20,565	4.39	903	23	16,420	3.92	643	8-71		44	786	.11	45	61
33-18-0348	6927766	1308101	9-67	2	305	19,200	3.57	686	32	15,350	3.81	585	12-70		40	979	-.05	28	53
33-18-0510	7318558	1308101	12-68	1	305	17,180	3.84	659	32	14,670	3.80	557	8-71		36	804	-.01	27	47
33-18-0510	7383412	1236789	1-69	1	305	19,810	3.72	736	24	14,850	3.70	549	6-71		35	730	.01	28	45
33-18-0711	6671079	1308101	12-66	4	304	18,815	3.58	673	9	16,105	3.64	586	12-71		44	901	-.03	28	5[illegible]
33-18-0711	7001977	1308101	2-68	2	305	20,005	3.28	656	13	15,745	3.54	558	5-71		40	1,024	-.06	28	54
33-18-0846	7449242	1493686	8-69	1	305	15,330	3.65	559	24	12,120	3.84	466	2-72		35	649	.02	27	42
33-21-0172	7108060	1505115	8-68	2	305	21,305	3.77	803	21	15,245	3.92	597	3-72		25	778	-.01	27	46
33-21-0176	6547411	1329588	1-66	4	305	22,938	3.40	780	19	17,193	3.77	649	4-72		44	940	-.07	23	47
33-21-0176	7018105	1237057	6-67	2	305	20,675	3.90	806	25	16,430	3.83	629	12-71		40	730	-.02	24	42
33-21-0215	6606770	1308101	4-66	4	305	17,605	3.56	627	13	15,867	3.59	570	9-71		44	778	-.03	24	43
33-21-0215	6606771	1308101	5-66	3	305	21,253	3.46	736	12	16,080	3.66	589	11-71		42	1,173	-.05	35	64
33-21-0215	6841864	1308101	3-67	3	305	18,056	3.63	655	9	16,120	3.70	597	5-71		42	801	-.03	24	44
33-21-0522	7128910	1427381	5-68	2	305	16,985	3.63	617	14	12,770	3.75	479	10-71		40	1,133	.03	45	71
33-21-0617	6524299	1242221	1-66	3	305	20,797	3.64	758	22	14,740	3.71	547	4-71		41	1,328	-.01	47	79
33-21-0617	7080786	1520523	4-68	2	305	18,270	4.14	756	15	13,755	3.85	529	3-72		28	780	.07	38	55
33-21-0617	7101417	1520523	5-68	1	305	18,250	4.16	759	25	13,100	3.97	520	5-71		22	715	.04	32	48
33-21-0617	7121764	1520523	4-68	1	305	20,840	3.44	717	25	13,100	3.97	520	5-71		22	950	-.04	28	52
33-21-0617	7121766	1520523	6-68	1	305	20,510	3.60	739	18	13,280	3.69	490	10-70		22	906	.00	33	55
33-21-0617	7329849	1520523	2-69	1	305	16,680	4.36	727	19	12,960	3.94	510	11-71		22	583	.06	30	42
33-21-0617	7419563	1520523	5-69	1	305	17,970	3.85	691	14	13,060	3.89	508	2-72		22	692	.01	27	43
33-21-0719	7015814	1330987	6-66	2	305	16,040	3.96	635	10	12,745	3.84	489	10-71		40	616	.05	30	43
33-21-0719	7292117	1242221	5-67	3	293	16,457	3.59	591	13	12,547	3.91	491	4-72		41	1,047	-.03	33	59
33-24-0213	6380494	1308101	4-67	3	304	17,970	4.00	718	19	15,430	3.70	571	8-71		42	862	.02	34	54
33-24-0213	7608015	1308101	1-70	1	305	23,130	3.51	811	13	17,490	3.60	630	3-72		36	1,058	-.03	33	59
33-24-0470	7104226	1484849	8-66	2	305	18,540	3.71	687	8	13,125	3.63	477	12-70		29	709	.02	28	44
33-24-0470	7294323	1308101	12-66	2	305	17,730	3.53	626	12	12,430	3.77	469	9-71		40	1,096	-.04	33	60
33-24-0512	7533832	1392858	11-69	1	305	23,490	3.60	845	7	16,130	3.60	580	4-72		36	764	.03	32	49
33-24-0611	6299855	1276654	12-64	5	305	22,338	3.84	858	26	17,714	3.62	641	2-72		44	762	.04	33	50
33-24-0611	6413690	1462841	5-65	5	303	23,088	3.35	774	34	17,410	3.65	635	12-71		36	904	-.07	22	45
33-24-0611	7045598	1458744	3-68	2	305	19,915	3.41	679	38	16,855	3.60	607	8-71		40	785	-.03	24	43
33-24-0611	7200927	1458744	4-68	2	305	21,545	3.94	849	39	17,100	3.61	618	10-71		40	928	.04	40	61
33-24-0611	7267540	1427381	8-68	2	305	21,525	3.83	825	31	17,835	3.66	653	11-71		40	1,131	.07	51	76
33-24-0611	7312993	1427381	10-68	1	305	20,290	3.43	695	17	18,360	3.46	636	4-71		36	941	.03	39	60
33-24-0611	7333110	1427381	10-68	2	305	20,740	3.68	763	26	18,295	3.55	649	2-72		40	1,009	.06	45	67
33-24-0611	7522625	1427381	8-69	1	304	21,360	3.27	699	28	18,370	3.59	659	1-72		36	1,020	.01	38	62
33-24-0611	7522626	1427381	8-69	1	305	25,640	2.96	758	28	18,370	3.59	659	1-72		36	1,339	-.04	42	75
33-24-0611	7559721	1427381	7-69	1	305	20,250	3.52	713	33	18,470	3.62	669	11-71		36	930	.03	38	59

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C O	.......C O W REPT (%)	I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
33-24-0611	7583259	1427381	4-69	1	305	22,740	3.51	798	37	17,920	3.58	641	10-71		36	1,153	.03	46	$ 73
33-24-0611	7583261	1427381	10-69	1	305	23,710	3.42	810	28	18,370	3.59	659	1-72		36	1,195	.02	46	74
33-24-0714	7203894	--1308101	10-68	1	305	18,260	3.65	666	31	15,860	3.61	573	1-71		36	805	-.02	26	46
33-24-0717	5435360	1199324	9-61	6	305	21,342	3.50	746	18	15,630	3.53	552	9-71		44	1,183	-.02	39	68
33-24-0717	6456612	1417208	10-65	4	305	22,448	3.38	759	17	16,875	3.56	601	3-72		44	1,083	-.03	35	62
33-24-0717	6954458	1330987	10-67	3	305	19,493	3.29	642	19	15,780	3.62	572	9-71		42	732	-.02	24	42
33-24-0717	6954459	1330987	10-67	3	305	19,513	3.43	669	20	15,857	3.56	565	8-71		42	726	.01	28	45
33-24-0717	7007868	1496256	12-67	2	305	22,860	3.67	838	16	17,165	3.51	603	10-71		29	794	.02	32	50
33-24-0717	7250630	1427381	12-68	2	305	21,370	3.68	787	19	17,635	3.56	627	1-72		40	1,133	.05	49	75
33-24-0718	7071568	1459275	8-66	4	298	20,840	3.30	687	15	14,230	3.51	499	1-72		34	868	-.03	26	46
33-24-0841	5753472	1189870	10-62	7	305	20,707	3.99	827	31	17,094	3.69	631	4-72		44	698	.07	35	50
33-24-0841	6135505	1352991	6-64	6	305	21,201	3.25	689	27	15,061	3.60	542	7-71		40	1,368	-.10	33	69
33-24-0841	6655413	1210286	7-66	4	304	23,675	3.50	828	33	17,208	3.67	632	12-71		44	853	-.04	24	46
33-24-0841	7462957	1427381	6-69	1	305	21,120	3.30	696	44	17,140	3.54	606	8-71		36	1,084	.01	41	66
33-24-0844	6655459	1460119	8-66	4	305	19,933	3.45	687	24	14,660	3.68	540	2-72		33	822	-.05	22	43
33-24-0844	7086462	1488428	1-68	2	305	19,500	3.72	725	21	14,550	3.62	526	7-71		29	711	.02	28	45
33-25-0240	7189531	1308101	5-68	2	305	17,935	3.43	616	28	13,845	3.69	511	7-71		40	988	-.05	28	53
33-25-0240	7285342	1315578	1-69	2	305	21,215	4.17	884	25	15,410	3.78	583	3-72		40	761	.15	50	64
33-25-0240	7365098	1308101	7-69	1	305	20,220	3.95	798	29	15,460	3.71	573	5-71		36	977	.00	36	59
33-25-0471	6394222	1315578	10-65	3	305	18,370	3.72	683	277	15,240	3.44	524	9-70		42	525	.11	36	45
33-25-0471	6416912	1457366	10-65	3	305	18,873	3.69	697	435	14,630	3.47	508	1-71		33	754	.04	34	51
33-25-0471	6489482	1421038	11-65	3	305	22,193	3.19	707	277	15,600	3.43	535	4-71		29	957	-.06	25	49
33-25-0471	6498149	1459917	2-66	4	299	18,120	3.45	625	347	13,868	3.46	480	7-71		35	744	.01	28	46
33-25-0471	6508135	1409545	2-66	4	305	19,260	3.31	638	494	14,133	3.45	488	10-71		30	776	-.03	23	42
33-25-0471	6583814	1330987	6-66	3	305	19,237	3.49	672	452	14,660	3.47	508	2-71		42	818	.03	34	53
33-25-0471	6695710	1418579	12-66	3	292	19,507	3.14	613	181	14,467	3.53	510	7-71	B	33	919	-.11	17	42
33-25-0471	6845916	1377954	6-67	2	305	19,875	3.34	664	327	15,695	3.47	545	3-71		40	790	-.01	27	46
33-25-0471	6857781	1308101	1-67	3	242	18,676	3.26	608	481	14,576	3.46	505	11-71	B	42	1,032	-.06	28	54
33-25-0471	6861681	1450228	7-67	2	305	20,075	3.02	607	498	15,325	3.46	530	12-70		39	1,045	-.09	24	5[illegible]
33-25-0471	6898094	1308101	7-67	2	301	17,340	3.66	635	383	15,575	3.47	540	2-71		40	769	.00	27	45
33-25-0471	6908438	1458744	11-67	2	305	17,960	3.45	620	377	15,105	3.46	523	4-71		40	747	-.01	25	43
33-25-0471	6909290	1301864	12-65	3	299	21,273	3.49	743	432	13,770	3.48	479	8-70		42	930	.02	36	58
33-25-0471	6980521	1458744	6-67	2	305	20,410	3.08	628	326	15,685	3.47	545	3-71		40	942	-.07	24	45
33-25-0471	7116918	1493686	6-68	1	305	17,150	3.20	549	431	13,740	3.44	472	8-70		35	677	.01	26	42
33-25-0471	7140399	1386406	9-67	2	305	19,335	3.48	672	490	15,000	3.45	517	2-71		40	689	.01	27	43
33-25-0471	7162464	1478578	8-68	2	118	19,310	3.45	667	461	14,085	3.42	482	12-71	B	34	769	.00	27	45
33-25-0471	7236494	1236789	5-67	2	305	18,595	3.60	670	570	14,890	3.44	512	12-70		40	713	.02	28	45
33-25-0471	7251382	1427381	1-69	1	290	20,160	3.65	735	192	14,970	3.39	507	4-71		36	1,158	.06	51	77
33-25-0471	7302338	1427381	4-69	1	182	18,410	3.10	571	377	13,130	3.44	452	9-71	B	36	1,151	.00	42	69
33-25-0471	7302354	1417208	4-69	1	305	16,750	3.83	641	377	13,160	3.43	452	9-71		36	669	.04	30	45
33-25-0471	7390283	1427381	5-69	1	180	17,930	3.81	684	377	13,130	3.44	452	9-71	B	36	1,115	.07	51	76
33-25-0471	7506910	1427381	9-69	1	79	20,210	3.49	706	253	14,050	3.49	490	1-72	B	36	1,224	.04	50	78
33-25-0713	6508899	1308101	10-65	1	305	18,670	4.31	805	15	16,870	3.82	645	3-71		36	767	.03	32	49
33-31-0470	7054744	1308101	9-66	2	305	18,070	3.52	636	14	14,340	3.82	548	11-71		40	956	-.05	27	51
33-31-0470	7556261	1427381	8-69	1	305	16,200	3.69	597	13	12,900	3.74	483	10-71		36	1,002	.04	42	65
33-32-0210	7411277	1427381	8-69	1	305	16,640	3.43	570	25	13,970	3.56	497	11-71		36	963	.03	39	61
33-36-0540	7435336	1070036	2-69	1	305	20,840	3.81	795	16	15,240	3.73	568	11-71		36	661	.06	33	47
33-37-0213	7091495	1392858	2-68	2	305	20,030	3.54	710	15	14,625	3.52	515	9-71		40	742	.03	31	48
33-37-0213	7141679	1308101	8-68	2	296	15,900	3.37	536	28	13,790	3.56	491	12-71		40	786	-.04	22	42
33-37-0213	7575716	1308101	11-69	1	305	17,730	3.78	671	30	15,210	3.58	544	2-72		36	809	-.01	28	47
33-37-0612	7601892	1308101	8-69	1	305	20,640	3.20	661	10	16,050	3.71	595	12-71		36	969	-.07	24	49
33-38-0152	7071979	1417208	4-68	2	305	19,825	3.34	662	14	14,770	3.78	559	7-71		40	903	-.04	26	49
33-38-0410	6754955	1308101	1-67	4	299	17,540	3.38	593	26	14,765	3.81	562	10-71		44	893	-.07	21	44
33-38-0410	6754958	1308101	1-67	3	304	18,930	3.57	676	17	15,493	3.81	591	12-71		42	966	-.05	27	51
33-38-0410	7260190	1308101	4-67	3	295	17,546	3.50	614	17	14,643	3.85	564	8-71		42	895	-.06	23	46
33-38-0410	7260194	1308101	3-68	2	305	18,285	3.54	648	18	14,560	3.75	546	8-71		40	958	-.04	28	52
33-38-0410	7260195	1308101	8-68	2	305	24,230	3.29	798	21	15,930	3.74	595	3-72		40	1,436	-.08	39	75
33-38-0410	7763165	1392858	4-69	1	305	21,100	3.82	807	24	15,750	3.58	564	10-71		36	611	.05	30	43
33-38-0611	6496610	1424227	12-64	5	305	19,890	4.61	917	25	16,260	3.87	629	10-71		43	565	.19	49	57
33-38-0611	7136067	1308101	8-68	2	305	18,725	3.63	679	27	15,980	3.94	629	3-72		40	873	-.05	24	46
33-38-0611	7460988	1308101	9-68	2	305	20,310	3.55	720	26	17,265	3.96	683	11-71		40	916	-.07	23	47
33-38-0611	7559644	1427381	11-69	1	305	27,330	3.06	835	26	15,530	3.94	612	3-72		36	1,655	-.05	51	92
33-38-0611	7559645	1427381	11-69	1	305	19,740	4.26	841	33	16,940	3.88	658	1-72		36	995	.09	49	70
33-40-0213	6723984	1308101	10-66	3	305	17,530	3.45	604	10	12,913	3.67	474	1-72		42	1,072	-.05	31	58
33-40-0213	7130726	1485550	7-67	2	305	17,725	3.61	639	21	11,260	3.63	409	8-71		40	963	-.06	25	50
33-40-0740	7067087	1431720	2-68	2	305	20,570	3.45	709	16	13,665	3.72	509	10-71		39	927	-.09	19	44
33-41-0110	7077576	1330987	6-68	2	305	19,120	3.65	698	16	15,550	3.74	581	10-71		40	673	.02	28	43
33-41-0140	7443372	1308101	8-69	1	305	17,540	3.38	592	11	13,810	3.83	529	1-72		36	888	-.05	24	47
33-41-0170	6673177	1308101	3-66	4	305	16,937	4.04	685	8	14,075	3.73	525	2-72		44	895	.02	36	57
33-41-0170	6673178	1308101	7-66	4	303	18,215	3.20	583	7	14,495	3.77	546	2-72		44	1,006	-.10	21	48
33-41-0170	7569195	1308101	6-69	1	305	16,310	4.72	770	16	13,210	4.06	536	9-71		36	837	.04	36	55
33-41-0441	7050913	1308101	6-67	3	303	19,316	3.32	641	22	15,986	3.80	607	9-71		42	960	-.08	22	47
33-41-0441	7482064	1308101	2-69	1	305	23,180	2.78	644	18	17,770	3.23	574	3-71		36	1,043	-.09	24	51
33-41-0441	7482065	1308101	4-69	2	304	23,070	3.78	873	20	18,330	3.37	617	2-72		40	1,099	.03	44	69
33-41-0441	7569196	1308101	11-69	1	305	24,100	3.48	838	18	18,900	3.34	632	2-72		36	1,036	-.02	35	60
33-41-0510	6358464	1386859	6-65	5	296	18,280	4.08	746	17	15,974	3.71	593	12-71		44	533	.08	31	42
33-41-0510	6681548	1471618	8-66	3	299	21,923	3.36	737	17	14,940	3.78	565	7-71		34	1,129	-.08	28	57
33-41-0510	6738640	1308101	11-66	3	262	20,793	3.31	688	13	15,653	3.65	571	1-72		42	1,164	-.07	31	61
33-41-0510	7043397	1308101	11-67	2	288	18,195	3.23	587	13	15,350	3.75	576	3-71		40	877	-.08	19	42
33-41-0510	7043398	1308101	12-67	2	305	18,830	3.84	723	17	15,840	3.71	587	10-71		40	896	.00	32	53
33-41-0510	7143514	1308101	6-68	2	305	19,060	3.41	650	17	16,635	3.64	606	12-71		40	847	-.05	23	45
33-41-0510	7309028	1308101	12-68	1	305	18,390	3.86	710	10	15,220	3.90	593	5-71		36	857	-.02	28	49
33-41-0510	7309029	1308101	12-68	1	305	21,130	3.71	784	11	15,160	3.75	568	3-71		36	1,065	-.02	35	61
33-41-0510	7309032	1308101	2-69	1	305	17,450	3.58	625	8	15,280	3.80	580	4-71		36	783	-.03	23	43
33-41-0510	7309033	1308101	2-69	1	305	19,570	3.84	752	11	15,160	3.75	568	3-71		36	949	-.01	33	56

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALV MO-YR	T C O	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
33-41-0510	7466752	1308101	7-69	1	290	19,960	3.48	695	5	17,770	3.48	619	4-72		36	803	-.03	25	$ 45
33-41-0522	6738638	1308101	11-66	2	245	17,665	3.57	630	9	16,100	3.50	563	4-71		40	754	-.01	25	43
33-41-0540	6262432	1417208	9-64	5	305	22,286	3.28	732	19	17,466	3.51	613	1-71		44	1,021	-.04	31	56
33-41-0540	6488782	1330987	8-65	5	305	18,870	3.85	726	11	15,574	3.67	572	6-71		44	719	.06	35	50
33-41-0540	6488783	1330987	8-65	5	305	18,322	3.71	679	11	15,826	3.72	588	3-72		44	619	.04	28	42
33-41-0540	6762768	1330987	6-66	4	305	23,663	3.28	777	15	16,568	3.59	595	1-72		44	1,185	-.03	38	67
33-41-0540	6763745	1417208	12-65	4	305	19,918	3.21	639	14	16,043	3.62	581	9-71		44	863	-.05	23	45
33-41-0540	6916950	1308101	11-67	2	305	21,180	3.39	719	22	17,900	3.65	653	3-71		40	947	-.06	25	49
33-41-0540	7620295	1417208	5-69	1	305	20,890	3.49	730	23	16,870	3.78	637	1-72		36	729	-.02	24	42
33-41-0540	7620296	1417208	8-69	1	305	18,960	3.66	693	16	15,340	3.71	569	9-71		36	688	.01	26	42
33-41-0540	7620298	1427381	6-69	1	305	20,130	4.13	831	26	16,720	3.70	619	1-72		36	1,039	.08	50	72
33-41-0718	6807259	1308101	1-67	3	305	18,306	3.51	642	6	14,443	3.73	539	7-71		42	1,003	-.05	29	54
33-41-0721	6184818	1355376	1-65	5	260	20,026	3.98	797	35	12,912	3.73	481	12-71		43	1,137	.04	47	73
33-41-0721	6718079	1333969	8-66	3	287	20,893	3.67	767	18	13,293	3.50	465	5-71		41	775	.07	39	55
33-41-0847	7096278	1308101	1-68	3	304	17,263	3.74	646	15	15,656	3.71	581	3-72		42	758	-.02	25	43
33-43-0161	6082072	1182696	2-64	5	305	21,150	3.13	663	16	15,710	3.65	574	3-71		44	965	-.07	24	49
33-43-0161	6340351	1315578	4-65	5	304	19,090	4.11	785	17	16,108	3.69	595	3-72		44	557	.15	42	51
33-43-0223	6996845	1308101	7-67	2	305	17,155	3.65	627	11	14,805	3.73	552	7-71		40	821	-.03	25	45
33-43-0223	6996847	1182696	10-67	2	305	21,260	3.91	832	10	15,055	3.72	560	9-71		40	900	.05	40	60
33-43-0223	7257468	1427381	11-68	2	305	16,855	3.63	611	15	14,780	3.71	549	3-72		40	936	.03	38	60
33-43-0240	6888705	1308101	5-67	2	305	16,940	3.58	607	27	14,450	3.79	547	5-71		40	832	-.04	24	45
33-43-0240	7174645	1308101	3-68	2	199	20,980	3.71	779	17	16,155	3.91	631	1-72	B	40	1,086	-.04	33	60
33-43-0240	7336882	1308101	11-68	1	255	19,240	3.38	651	28	14,950	3.69	552	7-71	B	36	939	-.05	26	50
33-43-0240	7415525	1308101	3-69	1	151	22,870	3.57	816	12	16,290	3.96	645	11-71	B	36	1,119	-.05	32	60
33-43-0245	7223028	1308101	12-68	2	305	22,850	3.43	784	14	17,530	3.80	667	11-71		40	1,150	-.07	31	60
33-43-0245	7656254	1308101	10-69	1	305	22,880	3.71	849	12	17,900	3.83	685	1-72		36	1,012	-.03	32	57
33-43-0352	6653944	1261857	7-66	3	305	19,803	3.72	736	12	16,213	3.63	589	4-71		42	825	.07	40	58
33-43-0352	6805711	1308101	3-67	3	302	16,806	3.75	630	9	15,120	3.78	572	3-72		42	761	-.02	24	43
33-43-0356	6317893	1294703	5-65	4	246	19,140	3.57	684	19	15,190	3.79	576	3-71		43	859	-.05	23	45
33-43-0356	6759824	1458744	1-67	4	230	18,585	3.64	676	17	15,772	3.65	576	7-71		44	789	.00	28	47
33-43-0356	6912201	1469162	5-67	3	305	20,573	3.88	798	23	16,836	3.88	654	1-72		34	685	.03	29	45
33-43-0356	7057276	1352979	3-68	2	305	23,640	3.63	858	24	17,460	3.89	679	3-72		40	952	-.08	22	47
33-43-0360	7111513	1417208	4-68	2	305	17,715	3.45	611	23	14,265	3.72	530	3-72		40	735	-.02	24	42
33-43-0410	6770092	1308101	3-67	3	305	17,196	3.81	656	16	14,200	4.04	574	2-72		42	901	-.04	27	49
33-43-0410	7191706	1308101	9-68	1	305	16,960	3.97	674	27	14,290	3.96	566	11-70		36	813	-.02	27	47
33-43-0418	7388143	1308101	12-68	1	305	18,750	3.65	684	12	14,700	3.66	538	12-71		36	919	-.02	30	52
33-43-0418	7410339	1308101	2-69	1	279	16,190	3.47	562	10	14,160	3.58	507	9-71		36	764	-.03	23	42
33-43-0451	7639895	1458744	11-69	1	305	21,080	4.14	873	18	14,530	4.09	594	1-72		36	968	.02	38	60
33-43-0511	6754849	1182696	12-66	3	305	19,580	3.61	706	18	15,173	3.76	571	12-71		42	771	.00	28	46
33-43-0511	7073455	1308101	3-68	2	304	19,275	3.43	662	20	14,860	3.72	553	6-71		40	1,031	-.05	29	55
33-43-0511	7317689	1308101	3-69	1	305	16,540	3.91	646	12	14,810	3.80	563	8-71		36	747	-.01	25	43
33-43-0511	7334301	1308101	3-69	1	305	17,440	3.74	652	19	15,290	3.72	569	6-71		36	782	-.02	25	44
33-43-0511	7334303	1308101	4-69	1	305	20,290	3.59	728	15	16,700	3.84	642	9-71		36	899	-.04	26	49
33-43-0515	5836663	1309943	6-63	6	305	21,302	3.61	768	12	17,197	3.74	643	3-71		37	809	-.03	25	45
33-43-0515	6788662	1469162	11-66	4	304	22,847	3.68	840	9	18,175	3.73	678	4-72		36	867	.01	33	53
33-43-0519	6734818	1446561	2-67	3	305	19,920	3.73	744	22	14,943	3.79	566	1-72		29	717	.00	26	43
33-43-0519	7078767	1427381	4-68	2	305	19,935	4.01	799	20	15,270	3.77	575	10-71		40	1,204	.07	55	82
33-43-0519	7078768	1427381	4-68	2	305	20,195	4.39	886	23	14,900	3.74	557	3-72		40	1,264	.13	66	92
33-43-0519	7447587	1427381	4-69	1	305	25,120	3.84	964	31	15,610	3.72	581	1-72		36	1,485	.06	63	97
33-43-0546	6803640	1261857	3-67	3	305	17,847	3.79	677	15	15,790	3.79	599	9-71		42	644	.06	32	46
33-43-0676	5821572	1237057	2-63	7	305	19,011	4.00	761	15	15,339	3.88	595	2-72		44	746	.00	27	45
33-43-0676	6541340	1237057	12-65	4	304	20,485	3.58	733	12	15,863	3.86	613	12-71		44	852	-.07	20	42
33-43-0683	6999452	1308101	3-68	2	296	18,995	3.58	680	10	14,330	3.91	560	7-71		40	1,051	-.05	30	56
33-43-0685	6200029	1199324	9-64	3	297	17,447	3.82	666	5	15,040	3.80	572	7-71		42	731	.00	26	43
33-43-0724	6672567	1222994	9-66	3	305	21,763	3.73	812	16	17,880	3.79	677	10-71		42	751	.01	28	46
33-43-0724	6883625	1261857	7-67	3	305	20,703	4.38	907	17	17,600	3.78	665	3-72		42	785	.16	52	66
33-43-0725	5648286	1182696	8-62	5	305	18,778	3.99	749	25	15,836	3.88	614	7-71		44	644	.05	30	44
33-43-0725	5942860	1424644	9-63	4	305	20,512	3.88	795	25	14,890	3.79	564	11-70		35	854	.05	38	57
33-43-0725	6719330	1446676	10-66	3	305	23,093	4.07	939	39	16,400	3.85	631	11-71		32	1,106	.06	49	74
33-43-0725	6938353	1315578	12-67	2	305	25,010	4.01	1003	36	17,015	3.83	652	9-71		40	999	.12	55	75
33-43-0725	7158639	1315578	5-68	2	305	22,335	3.64	813	54	17,785	3.78	673	1-72		40	657	.07	34	48
33-43-0725	7222412	1480660	11-68	2	305	20,615	4.45	918	44	17,820	3.78	674	11-71		30	423	.14	36	42
33-43-0725	7222414	1427381	11-68	2	301	19,850	3.51	697	43	17,895	3.80	680	11-71		40	955	.00	35	58
33-43-0725	7384353	1427381	5-69	1	305	21,770	3.91	851	39	17,820	3.84	685	2-72		36	1,087	.05	47	71
33-43-0842	7411504	1427381	6-69	1	305	16,910	3.70	626	15	11,990	3.84	461	1-72		36	1,116	.04	46	72
33-44-0147	6288911	1417874	8-64	5	305	21,342	3.71	791	17	15,190	3.81	579	2-72		32	988	.00	35	59
33-44-0147	7264984	1427855	4-67	3	305	24,177	3.58	866	17	16,550	3.80	629	3-72		29	1,118	-.03	36	63
33-44-0147	7290965	1392858	12-68	1	305	21,630	3.60	779	12	15,740	3.72	586	7-71		36	652	.02	27	42
33-44-0413	6782572	1315578	11-66	3	305	18,670	4.11	767	13	13,746	3.86	531	7-71		42	715	.13	45	59
33-44-0514	6312657	1386859	1-65	4	305	17,390	3.74	651	11	13,485	3.87	522	5-71		43	690	.01	26	42
33-44-0570	6341201	1242221	6-65	4	303	16,955	3.44	583	21	13,450	3.64	490	1-71		42	1,026	-.03	33	58
33-44-0571	6854566	1315578	2-66	4	305	17,487	4.11	718	7	14,545	3.78	550	12-71		44	517	.13	38	47
33-44-0571	6855201	1315578	1-67	2	305	17,615	4.21	742	8	15,190	3.79	575	1-71		40	416	.14	36	42
33-44-0711	7416148	1392858	3-68	2	305	21,255	3.96	842	9	15,510	3.50	543	12-71		40	785	.09	42	58
33-48-0146	7086138	1330987	2-68	2	305	17,835	3.68	656	21	13,305	3.89	518	12-71		40	747	.02	30	47
33-48-0273	6961147	1308101	9-67	3	284	16,770	3.48	584	9	14,080	3.65	514	4-72		42	864	-.04	25	47
33-48-0342	7229878	1485550	11-68	2	305	21,595	3.70	800	11	16,710	3.88	648	2-72		40	858	-.07	20	42
33-48-0672	6623533	1308101	5-66	4	302	17,557	3.64	639	9	14,120	3.87	546	3-72		44	966	-.04	28	52
33-48-0741	6702747	1308101	8-66	4	303	18,550	3.54	656	17	13,845	3.69	511	12-71		44	1,120	-.04	34	62
33-48-0812	6794514	1308101	11-66	3	304	20,900	3.33	696	12	17,880	3.75	670	3-71		42	946	-.08	22	47
33-48-0812	6794515	1308101	1-67	3	305	20,350	3.64	740	9	17,560	3.73	655	5-71		42	916	-.03	28	51
33-48-0812	6794516	1308101	2-67	3	305	20,053	3.89	781	10	17,646	3.75	661	4-71		42	873	.00	32	53
33-48-0812	6924469	1308101	9-67	2	305	22,930	4.21	965	12	17,705	3.82	676	1-71		40	1,142	.04	48	74
33-50-0350	7416872	1503908	2-69	1	305	19,310	4.21	812	8	15,470	3.80	588	8-71		23	684	.06	34	49
33-50-0448	6824635	1308101	5-67	3	305	19,930	3.91	780	28	15,966	3.76	600	11-71		42	1,032	.01	38	62

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C O	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOLLARS
33-50-0448	7157765	1392858	9-68	2	305	21,075	3.39	715	21	15,735	3.80	598	3-72		40	746	-.02	24	$ 42
33-50-0448	7165752	1315578	3-67	3	300	18,310	4.20	769	24	16,036	3.72	597	9-71		42	436	.16	39	45
33-50-0612	6681904	1315578	8-65	5	301	17,572	4.24	745	13	15,732	3.75	590	1-72		44	404	.16	38	43
33-50-0612	6822575	1315578	9-66	3	292	19,846	3.62	719	15	14,830	3.74	554	7-71		42	738	.07	37	53
33-50-0852	6942454	1315578	7-67	3	303	17,986	3.81	686	7	14,026	3.74	524	8-71		42	607	.09	36	48
33-50-0852	7184093	1315578	7-68	2	305	18,040	3.65	659	10	14,510	3.65	530	6-71		40	521	.09	32	42
33-50-9341	6698359	1448339	10-66	3	305	19,857	3.62	718	5	15,007	3.64	547	5-71		29	700	.00	25	42
33-50-9341	7248813	1458744	1-69	2	270	22,410	3.65	819	11	15,415	3.59	553	4-72		40	1,170	.01	43	71
33-51-0150	6413300	1242221	5-65	4	305	19,203	3.43	658	21	16,725	3.61	604	9-71		42	937	-.03	29	52
33-51-0150	6645745	1315578	9-66	4	305	20,240	4.10	830	16	16,780	3.62	607	12-71		44	609	.16	46	56
33-51-0150	6979535	1315578	9-67	3	302	18,796	3.95	742	20	16,483	3.55	585	11-71		42	446	.14	37	44
33-51-0150	7316682	1458744	1-69	1	305	22,340	3.48	777	20	16,170	3.67	594	4-71		36	952	-.03	30	53
33-51-0613	6236085	1383926	9-64	1	305	19,930	4.32	861	16	14,610	3.66	535	11-71		36	628	.10	37	49
33-51-0742	7420841	1261857	8-67	2	305	16,095	3.84	618	39	12,935	3.78	489	3-71		40	711	.07	36	51
33-51-0940	7342820	1427381	11-68	1	305	21,380	3.76	803	11	16,580	3.61	598	2-72		36	1,141	.06	50	76
33-51-0940	7583355	1427381	6-69	1	305	17,570	3.46	608	14	16,020	3.54	567	1-72		36	895	.03	37	57
33-51-0940	7651007	1427381	7-69	1	305	20,000	3.79	758	14	16,020	3.54	567	1-72		36	1,076	.06	48	72
33-52-0713	6751625	1308101	4-66	4	305	18,012	3.46	624	10	13,437	3.63	488	6-71		44	1,099	-.04	33	60
33-52-0713	7334658	1308101	4-69	1	305	17,320	3.41	590	9	13,460	3.58	482	8-71		36	895	-.03	27	49
33-52-0713	7617978	1392858	12-69	1	305	20,270	3.64	737	12	14,640	3.32	486	1-72		36	624	.05	30	44
33-54-0141	6285758	1352979	6-64	5	301	17,860	3.59	641	7	12,886	3.74	482	1-71		44	896	-.07	22	45
33-54-0210	7245654	1392858	10-68	2	305	19,470	3.69	719	11	13,755	3.76	517	4-72		40	764	.03	32	49
33-54-0471	6719699	1282185	1-67	3	305	20,210	3.64	736	13	14,287	3.51	501	8-71		42	721	.01	27	44
33-54-0672	4433142	1249202	11-56	6	305	21,082	3.06	645	21	15,310	3.55	544	8-71		36	1,035	-.12	19	47
33-54-0711	6646127	1422782	6-66	3	304	22,440	3.49	783	23	15,973	3.84	613	1-71		32	894	-.05	25	48
33-54-0711	7419645	1514796	12-68	1	305	24,310	3.55	863	10	15,790	3.92	619	4-71		23	973	-.04	29	53
33-54-0711	7419657	1493686	7-69	1	305	22,290	3.36	749	33	15,550	4.05	629	10-71		35	942	-.03	30	53
33-54-0740	6391398	1308101	10-65	4	305	17,687	3.75	664	22	15,255	3.74	571	10-71		44	856	-.02	28	47
33-54-0740	6783097	1308101	3-67	3	303	16,790	3.63	610	29	14,540	3.76	546	11-71		42	819	-.03	25	45
33-54-0740	6958767	1308101	12-67	2	296	19,585	3.45	676	22	15,000	3.83	574	9-71		40	1,050	-.06	28	55
33-54-0740	7151608	1308101	9-68	1	305	19,280	3.59	692	36	16,520	3.81	630	12-70		36	836	-.04	24	45
33-54-0740	7195133	1308101	10-68	2	305	17,980	3.78	680	29	16,375	3.86	632	1-72		40	761	-.03	23	42
33-54-0740	7241211	1427381	1-69	1	305	19,270	4.18	805	30	17,060	3.80	648	2-71		36	952	.06	46	67
33-54-0740	7250164	1427381	2-69	1	305	19,840	3.87	767	25	15,190	3.79	575	7-71		36	1,120	.06	49	74
33-54-0740	7441239	1308101	7-69	1	305	21,880	3.49	763	38	15,750	3.86	608	11-71		36	1,082	-.05	31	54
33-55-0145	6169047	1199324	11-64	6	295	18,303	3.21	588	34	14,693	3.47	510	10-71		44	960	-.06	24	47
33-55-0145	7183693	1458744	10-68	2	305	19,965	3.48	694	27	15,985	3.58	572	2-72		40	870	-.02	28	49
33-55-0145	7482408	1464901	11-69	1	305	18,210	3.17	578	35	16,000	3.58	573	12-71		33	813	-.05	21	42
33-55-0145	7482410	1427381	8-69	1	305	23,560	2.57	605	29	15,650	3.52	551	8-71		36	1,366	-.07	38	73
33-55-0145	7522356	1464901	3-70	1	305	22,740	3.65	831	15	15,880	3.70	587	3-72		33	1,179	-.02	40	69
33-55-0147	4443454	1270204	7-57	10	305	23,129	3.50	809	16	14,127	3.63	513	6-71		32	1,423	-.03	47	82
33-55-0147	6509281	1315578	1-66	3	305	19,093	3.80	725	18	15,610	3.71	579	3-71		42	570	.10	35	46
33-55-0147	6509282	1315578	1-66	3	249	18,720	3.72	697	15	14,636	3.70	541	1-71		42	628	.09	36	49
33-55-0147	7486889	1308101	7-69	1	305	17,500	3.55	621	15	14,040	3.64	511	9-71		36	870	-.03	27	49
33-55-0270	6105221	1417431	1-64	6	304	17,588	3.62	637	10	12,888	3.62	466	12-71		36	773	.00	28	46
33-55-0271	7378635	1427381	1-69	1	305	15,100	4.03	608	46	13,400	3.69	494	9-71		36	867	.07	42	61
33-55-0271	7378636	1427381	2-69	1	305	15,340	4.10	629	46	13,400	3.69	494	9-71		36	904	.07	44	63
33-55-0271	7421779	1427381	12-68	1	305	16,840	3.93	662	46	13,400	3.69	494	9-71		36	1,016	.06	46	69
33-55-0343	7010019	1308101	1-68	3	301	22,080	3.62	799	12	17,000	3.66	623	3-72		42	1,172	-.03	38	67
33-55-0343	7326005	1308101	11-68	2	305	19,350	3.45	668	17	16,135	3.70	597	12-71		40	922	-.05	25	48
33-55-0343	7457137	1308101	9-69	1	305	17,450	3.55	619	10	14,980	3.61	541	11-71		36	803	-.03	25	45
33-55-0350	6803886	1419755	3-67	3	305	18,326	3.37	617	16	12,960	3.61	468	1-72		36	884	-.06	23	46
33-55-0442	7149484	1308101	8-68	2	305	17,585	3.67	646	11	13,970	3.69	515	11-71		40	941	-.02	31	54
33-55-0472	7050569	1308101	3-68	2	305	21,155	3.61	763	14	15,785	3.81	602	1-72		40	1,137	-.04	35	63
33-55-0472	7241781	1308101	12-68	1	305	18,310	3.86	706	20	14,370	3.73	536	8-71		36	908	.00	32	54
33-55-0510	6166805	1329588	8-64	5	305	18,846	3.74	705	12	15,278	3.48	532	1-72		44	665	.03	28	43
33-55-0510	6683724	1315578	9-66	4	302	18,845	3.76	709	14	15,167	3.59	545	12-71		44	616	.11	38	50
33-55-0610	7251133	1308101	2-69	1	305	17,500	3.61	631	29	14,170	3.52	499	1-72		36	861	-.01	29	50
33-55-0718	6687893	1315578	12-66	4	305	18,985	3.85	730	9	16,307	3.39	553	3-72		44	506	.15	40	46
33-55-0720	6511869	1386406	12-65	4	305	17,270	3.65	630	35	12,632	3.71	469	11-71		44	781	.01	30	48
33-55-0940	6652482	1315578	8-66	3	298	17,040	4.13	703	10	14,700	3.80	558	12-70		42	428	.13	35	42
33-55-0940	6892088	1315578	11-66	3	305	18,893	3.75	708	10	14,113	3.80	536	1-72		42	702	.08	38	52
33-55-0940	6906275	1308101	8-67	1	305	17,920	3.91	701	24	16,190	3.81	617	10-71		36	757	-.01	26	44
33-55-0940	7149483	1315578	8-68	2	305	21,180	3.63	769	16	15,640	3.81	596	12-71		40	736	.07	37	53
33-61-0124	6717003	1412432	7-65	3	305	20,147	4.08	821	19	15,950	3.89	621	11-71		37	621	.05	30	43
33-61-0125	6453050	1261857	1-66	4	305	18,043	3.84	692	22	13,763	3.70	509	2-72		44	903	.07	44	63
33-61-0166	6652392	1308101	11-66	4	305	20,902	3.88	811	21	16,062	3.83	615	3-72		44	1,164	.00	42	70
33-61-0166	7632278	1450228	1-70	1	305	17,910	4.18	749	21	15,490	3.90	604	11-71		35	773	.01	29	47
33-61-0220	6677726	1308101	11-66	2	166	15,850	3.55	563	64	13,740	3.70	509	8-70	B	40	786	-.04	23	43
33-61-0220	6720575	1308101	7-66	4	289	18,347	3.55	651	50	14,992	3.61	541	2-72		44	967	-.03	30	54
33-61-0220	6820408	1308101	1-67	3	305	20,196	3.46	699	56	14,313	3.65	523	6-71		42	1,234	-.05	37	68
33-61-0220	6820410	1308101	4-67	2	305	24,310	3.39	823	68	15,535	3.70	575	2-72		40	1,480	-.07	43	80
33-61-0220	6929518	1308101	8-67	2	305	17,955	3.45	620	57	15,245	3.48	530	3-71		40	862	-.03	27	48
33-61-0220	6951655	1308101	1-67	2	305	19,700	3.29	648	57	15,190	3.57	543	7-71		40	1,044	-.06	28	55
33-61-0220	6999398	1308101	3-67	3	305	20,670	3.56	736	63	14,756	3.80	561	11-71		42	1,243	-.05	37	68
33-61-0220	6999399	1308101	7-67	3	305	18,263	3.59	656	57	15,400	3.58	551	4-72		42	899	-.02	29	51
33-61-0220	6999400	1308101	7-67	2	305	18,090	3.90	706	57	14,605	3.56	520	5-71		40	934	.02	36	58
33-61-0220	7001258	1308101	1-68	2	295	16,310	3.67	598	57	14,060	3.78	531	6-71		40	803	-.03	24	44
33-61-0220	7039665	1308101	7-67	3	305	18,846	3.58	675	63	15,776	3.70	583	1-72		42	927	-.04	28	51
33-61-0220	7039667	1308101	2-68	2	305	21,410	3.12	669	54	14,770	3.59	530	6-71		40	1,256	-.08	32	64
33-61-0220	7127312	1308101	8-68	1	305	22,950	3.44	790	61	15,540	3.89	605	9-71		36	1,175	-.06	33	63
33-61-0220	7137982	1308101	6-68	1	305	21,290	3.27	697	59	15,290	3.66	559	4-71		36	1,068	-.06	29	56
33-61-0220	7194158	1308101	3-67	3	305	18,526	3.34	618	67	15,543	3.67	570	2-72		42	915	-.07	23	47
33-61-0220	7229766	1308101	11-68	1	305	18,300	3.51	643	63	15,150	3.86	585	8-71		36	855	-.04	24	46
33-61-0225	6637067	1396617	3-66	4	305	17,982	3.84	690	22	14,427	3.85	556	9-71		37	808	-.02	26	46

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C O	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
33-61-0225	6692646	1396617	9-66	3	302	17,823	3.57	636	23	14,083	3.81	536	2-71		36	806	-.05	21	$ 42
33-61-0244	5312517	1352966	2-61	5	305	18,486	4.38	810	60	15,872	3.92	622	12-71		35	500	.11	35	44
33-61-0244	6694531	1453995	12-66	2	305	20,990	3.97	833	68	15,915	3.91	622	3-71		25	661	.03	28	43
33-61-0244	6955435	1405363	8-67	3	305	23,126	3.91	905	58	16,956	3.87	656	1-72		37	708	.04	31	47
33-61-0244	7095565	1308101	7-68	2	305	20,065	3.86	775	64	16,630	3.91	651	10-71		40	950	-.02	31	54
33-61-0244	7119425	1473442	3-68	2	305	18,890	4.28	808	69	15,230	3.94	600	6-71		39	763	.02	30	48
33-61-0279	6651612	1308101	7-66	4	297	18,947	3.57	677	7	12,870	3.82	492	1-72		44	1,277	-.05	39	71
33-61-0279	7078228	1308101	9-67	3	294	16,840	3.22	543	6	13,236	3.87	512	10-71		42	959	-.09	20	45
33-61-0280	6162193	1418579	8-64	6	305	20,408	3.47	709	11	15,512	3.86	599	4-72		36	984	-.09	21	47
33-61-0280	6858161	1480660	4-67	3	305	18,613	4.53	843	10	15,426	3.73	576	12-71		33	488	.16	41	48
33-61-0282	6861683	1450228	8-67	3	305	16,523	3.63	600	17	14,510	3.62	525	11-71		41	760	-.02	24	43
33-61-0282	7129602	1427381	7-68	2	305	19,070	3.38	644	15	14,330	3.57	512	12-71		40	1,202	.01	45	73
33-61-0282	7421262	1427381	10-69	1	305	16,540	3.75	620	11	14,740	3.59	529	12-71		36	904	.05	41	61
33-61-0283	5744472	1182696	12-62	4	305	24,633	3.78	932	10	16,155	3.83	619	4-72		44	1,318	.03	52	83
33-61-0283	6660435	1308101	7-66	2	305	19,500	3.84	749	9	17,200	3.90	671	2-71		40	840	-.02	27	48
33-61-0283	7076026	1308101	7-67	2	305	22,510	3.32	747	15	17,215	3.78	650	11-71		40	1,144	-.08	29	58
33-61-0283	7076027	1308101	6-67	2	305	20,670	3.80	786	16	17,270	3.78	653	11-71		40	953	-.02	32	55
33-61-0326	5373606	1344550	5-61	5	301	19,958	3.04	607	37	14,442	3.52	508	7-71		35	1,013	-.11	20	47
33-61-0326	5819079	1330987	4-63	5	304	17,544	4.18	734	36	15,010	3.38	508	3-71		44	613	.15	44	55
33-61-0326	6857463	1458744	8-67	2	305	20,495	2.95	605	30	15,555	3.30	513	3-71		40	963	-.06	25	50
33-61-0326	6857464	1458744	8-67	2	305	18,985	3.26	619	24	15,585	3.40	530	10-70		40	807	-.03	24	44
33-61-0326	6956361	1495697	12-67	2	305	22,105	3.12	689	37	14,400	3.48	501	8-71		32	1,053	-.12	20	48
33-61-0326	7241349	1427381	2-69	1	305	22,310	3.45	769	28	13,370	3.49	467	1-72		36	1,426	.03	56	89
33-61-0326	7241350	1427381	2-69	1	305	17,330	4.14	717	35	13,710	3.46	475	9-71		36	1,032	.09	51	73
33-61-0327	6173765	1182696	8-64	4	305	19,840	3.93	780	22	16,433	3.82	628	6-71		44	695	.05	32	47
33-61-0327	6617064	1315578	10-66	3	305	21,203	4.03	854	20	16,783	3.80	637	11-71		42	692	.13	44	57
33-61-0327	6617065	1308101	10-66	3	305	22,793	3.48	793	19	16,350	3.83	626	7-71		42	1,322	-.07	37	70
33-61-0327	6778735	1308101	3-67	3	305	21,190	3.72	789	18	16,083	3.81	612	6-71		42	1,165	-.03	38	66
33-61-0327	6973771	1242221	12-67	3	305	21,690	3.52	764	15	17,670	3.74	660	3-72		41	1,121	-.03	36	63
33-61-0327	7101294	1308101	7-68	1	305	24,700	3.57	883	19	17,710	3.84	680	6-71		36	1,160	-.04	35	64
33-61-0327	7199653	1308101	12-68	2	305	21,725	3.23	701	12	17,965	3.70	664	3-72		40	996	-.08	23	49
33-61-0327	7404999	1308101	9-69	1	305	23,010	3.23	744	21	18,600	3.90	725	11-71		36	975	-.09	22	48
33-61-0328	7511028	1417208	7-69	1	305	23,730	3.47	824	21	15,930	3.77	601	11-71		36	1,003	-.01	34	58
33-61-0328	7511029	1330987	11-69	1	305	22,440	2.99	671	18	15,480	3.76	582	1-72		36	844	-.04	24	45
33-61-0368	6229585	1282185	2-63	5	305	22,172	3.48	772	20	16,442	3.64	599	4-71		44	805	-.03	24	44
33-61-0368	6566741	1315578	1-66	4	305	20,845	3.45	720	23	15,400	3.79	584	1-72		44	837	.03	35	54
33-61-0368	6910335	1451650	10-67	3	305	24,323	3.12	759	27	16,446	3.79	623	4-72		41	921	-.09	20	44
33-61-0368	7635540	1308101	10-69	1	305	17,550	3.96	695	31	15,980	3.73	596	12-71		36	744	.00	27	45
33-61-0414	6780673	1308101	9-66	3	305	19,070	3.52	672	33	13,063	3.92	512	1-71		42	1,234	-.06	35	66
33-61-0414	6851222	1308101	6-67	2	305	15,595	4.07	635	36	13,060	3.94	514	1-71		40	822	.00	30	50
33-61-0414	6859288	1308101	7-67	3	305	15,846	3.73	591	31	13,476	3.87	521	2-72		42	820	-.03	25	45
33-61-0414	7090891	1392858	3-68	2	305	18,495	3.38	625	21	12,665	3.94	499	5-71		40	765	-.02	24	43
33-61-0449	6753511	1308101	3-67	3	300	18,543	3.37	624	34	14,083	3.83	539	11-71		42	1,068	-.07	27	55
33-61-0460	6278618	1315578	1-65	5	301	17,644	3.87	682	9	14,548	3.58	521	11-71		44	551	.12	38	48
33-61-0525	7667882	1315578	11-68	1	305	19,860	4.44	882	12	16,450	3.84	631	1-72		36	441	.16	39	45
33-61-0541	7052060	1308101	3-68	2	305	15,830	3.71	588	57	12,905	3.63	468	8-71		40	860	-.01	29	50
33-61-0541	7074291	1308101	2-68	2	305	15,710	3.43	539	61	13,320	3.68	490	12-71		40	810	-.05	22	43
33-61-0541	7074292	1308101	5-68	1	305	16,880	3.90	658	34	14,890	3.59	535	3-71		36	767	.00	28	46
33-61-0541	7116297	1308101	6-68	1	305	16,500	3.68	608	29	14,440	3.70	535	2-71		36	769	-.02	24	43
33-61-0541	7116298	1308101	7-68	1	305	17,320	3.32	575	40	14,640	3.56	521	4-71		36	816	-.04	23	44
33-61-0541	7116300	1308101	7-68	2	305	16,190	3.51	568	28	14,135	3.74	528	4-72		40	784	-.04	22	42
33-61-0541	7361049	1308101	4-69	1	305	16,270	3.72	605	57	13,510	3.74	505	12-71		36	814	-.02	26	46
33-61-0541	7602430	1427381	3-69	1	305	15,780	3.66	577	59	13,160	3.73	491	9-71		36	953	.04	40	62
33-61-0632	7203959	1497039	4-68	2	305	21,585	3.61	780	15	16,375	3.58	586	7-71		38	866	-.03	26	48
33-61-0680	7171412	1308101	11-67	2	305	19,600	3.53	692	12	14,680	3.66	537	1-72		40	1,081	-.04	33	6[illegible]
33-61-0684	6582420	1308101	7-66	3	227	17,876	3.50	626	18	15,100	3.76	568	7-71	B	42	886	-.05	24	47
33-61-0685	6138802	1205185	7-64	2	305	23,575	3.97	935	20	16,935	3.72	630	4-72		32	737	.08	38	53
33-61-0685	6823909	1464838	12-66	3	305	26,646	3.59	956	14	17,733	3.55	630	10-71		33	1,212	.03	48	76
33-61-0687	6304716	1315578	12-64	5	270	19,800	4.32	855	44	14,754	3.75	554	11-71	B	44	805	.18	56	70
33-61-0687	6570435	1244845	2-66	4	257	18,430	4.02	740	43	14,755	3.73	551	11-71	B	44	657	.02	27	42
33-61-0687	7525388	1427381	10-69	1	175	18,470	3.71	686	55	15,230	3.78	575	10-71	B	36	1,015	.04	42	65
33-61-0689	6739331	1308101	11-66	3	302	16,193	3.74	606	9	13,016	3.70	481	1-72		42	908	-.01	31	53
33-61-0735	6329658	1242221	4-65	4	305	19,440	3.48	676	23	14,453	3.69	533	5-71		42	1,227	-.03	40	70
33-61-0735	7121135	1242221	3-68	2	305	16,535	3.42	566	17	14,650	3.66	536	12-71		38	828	-.03	26	46
33-61-0735	7489471	1242221	2-69	1	305	16,340	3.62	592	18	14,390	3.59	517	10-71		34	822	.00	30	50
33-61-0749	6791901	1330987	2-67	3	304	17,710	3.33	589	16	13,223	3.55	469	7-71		42	791	.00	29	48
33-61-0812	6886445	1308101	3-67	3	305	17,390	3.48	606	14	15,270	3.73	570	6-71		42	812	-.05	22	43
33-61-0812	6886445	1308101	5-67	3	302	17,246	3.83	661	16	15,376	3.82	588	10-71		42	785	-.02	26	45
33-61-0812	6886448	1308101	9-67	2	305	19,210	3.50	673	17	15,060	3.75	565	6-71		40	1,006	-.05	29	54
33-61-0812	7564609	1308101	10-69	1	305	22,590	3.46	781	22	15,840	3.95	625	12-71		36	1,128	-.06	31	60
33-61-0819	5823038	1199324	3-63	6	305	18,652	3.65	680	12	15,692	3.66	575	6-71		44	.29	-.01	28	48
33-61-0843	7024822	1308101	3-68	2	305	23,265	3.31	770	19	17,520	3.70	648	10-71		40	1,193	-.08	31	62
3-61-0843	7151399	1308101	9-68	1	305	19,360	3.49	676	25	17,130	3.81	653	4-71		36	801	-.05	22	42
33-61-0856	7265499	1417208	4-67	3	295	20,197	4.23	855	21	12,987	3.70	481	5-71		42	1,186	.09	57	83
33-61-0940	6604052	1315578	9-65	5	299	17,890	4.43	792	18	15,448	3.62	559	3-72		44	478	.20	47	53
33-61-0940	6604056	1315578	7-66	4	304	19,845	3.83	760	22	16,415	3.58	587	2-72		44	600	.12	40	51
33-61-1145	7101296	1308101	7-68	2	305	19,255	3.71	714	6	15,635	3.71	580	10-71		40	958	-.02	32	55
33-61-1147	7625821	1427381	3-70	1	305	20,990	3.72	781	20	15,830	3.86	611	1-72		36	1,162	.03	47	74
33-61-1340	7001984	1308101	12-67	2	305	19,980	3.81	761	17	16,250	3.72	604	11-71		40	976	-.01	34	57
33-61-1340	7155338	1242221	1-68	2	305	19,825	3.48	690	37	15,105	3.79	572	4-71		38	1,129	-.04	35	63
33-61-1351	5572291	1326509	3-62	5	304	18,204	3.60	655	28	13,224	3.60	476	6-71		34	760	.02	30	48
33-61-1351	7058255	1308101	7-67	2	305	17,210	3.59	617	28	13,790	3.65	503	4-71		40	919	-.03	29	52
33-61-1512	5296133	1189870	1-61	7	305	21,204	4.02	852	100	15,244	3.69	563	1-72		44	977	.07	46	67
33-61-1512	6450745	1182696	10-65	4	300	18,918	3.59	680	17	15,283	3.81	583	1-72		44	709	.00	25	42
33-61-1512	6475974	010262612	1-63	6	305	23,827	2.86	682	234	14,822	3.56	528	2-72		43	1,190	-.17	17	50

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C O	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOLLARS
33-61-1512	7199688	1308101	1-69	2	305	18,280	3.29	602	21	15,595	3.83	597	3-72		40	863	-.08	19	$ 42
33-61-1512	7452832	010288790	12-69	1	305	17,430	4.66	812	21	15,060	3.77	568	3-72		33	461	.15	39	46
33-61-1512	7755201	010288790	8-66	1	305	19,730	3.27	646	13	14,090	3.50	493	6-71		33	709	.04	32	48
33-61-1518	6864358	1386859	8-67	3	300	17,913	3.94	705	17	14,526	3.88	563	1-72		42	616	.04	28	42
33-61-1719	6194837	1315578	11-64	5	305	17,540	3.88	680	17	14,634	3.62	530	12-71		44	528	.11	36	46
33-61-1731	5314723	1315578	3-61	8	302	17,372	4.14	719	31	14,138	3.78	535	6-71		44	564	.14	41	51
33-61-1731	5650111	1386859	8-62	8	304	20,358	3.27	665	27	14,316	3.74	535	10-71		44	999	-.06	27	52
33-61-1731	7195082	1392858	9-68	2	305	19,715	3.24	638	18	13,820	3.68	508	9-71		40	783	-.03	24	43
33-61-1731	7262492	1308101	1-69	2	305	17,755	3.68	654	19	15,595	3.69	575	4-72		40	810	-.02	26	46
33-61-1731	7414809	1308101	9-69	1	305	17,890	3.55	635	26	14,780	3.67	542	11-71		36	849	-.03	26	47
33-61-1731	7442127	1308101	10-69	1	305	19,690	3.42	674	26	14,780	3.67	542	11-71		36	983	-.04	29	54
33-61-1732	6692500	1258981	10-66	3	305	17,850	3.80	679	17	15,147	3.64	551	3-71		42	612	.04	28	42
33-62-0112	6906155	1315578	5-67	3	298	20,803	4.05	843	37	16,366	3.70	605	1-72	H	42	689	.14	46	59
33-62-0112	6906159	1315578	11-67	3	305	19,706	3.78	745	58	15,193	3.78	575	9-71		42	684	.09	38	52
33-62-0112	7033178	1308101	3-68	2	305	19,600	3.72	730	59	14,935	3.82	571	7-71		40	1,057	-.03	34	60
33-62-0112	7176126	1485550	8-68	2	302	23,885	3.34	798	47	17,135	3.71	636	1-72		40	1,052	-.11	21	49
33-62-0150	7128017	1477381	6-68	1	305	24,640	2.87	708	28	17,580	3.44	605	3-71		35	895	-.05	25	48
33-62-0150	7291281	1315578	1-69	2	304	25,165	2.91	733	23	17,765	3.53	627	3-72		40	947	-.03	30	53
33-62-0150	7549014	1477381	1-70	1	304	24,260	3.33	808	19	18,170	3.59	652	1-72		35	826	-.01	29	49
33-62-0413	6779225	1330987	3-67	3	303	17,137	4.00	686	28	13,817	3.73	515	11-71		42	664	.07	35	49
33-62-0413	6830377	1330987	10-66	3	215	18,273	3.94	720	22	14,707	3.71	545	4-72		42	703	.07	36	51
33-62-0413	7275877	1427381	10-68	1	305	20,370	3.75	764	35	15,850	3.63	575	5-71		36	1,115	.05	48	73
33-62-0413	7350868	1450228	2-69	1	305	19,970	3.42	682	46	14,920	3.78	564	8-71		35	970	-.06	26	51
33-62-0413	7435339	1308101	6-69	1	305	18,170	3.85	700	58	15,090	3.90	589	1-72		36	849	-.02	28	49
33-62-0413	7562443	1392858	1-70	1	305	21,960	3.92	861	49	14,900	3.91	583	3-72		36	733	.04	33	49
33-62-0522	7316635	1470927	2-69	2	305	20,115	3.73	751	22	15,175	3.68	558	2-72		29	707	.00	25	42
33-62-0570	6596885	1308101	5-66	4	305	19,542	3.58	699	9	17,230	3.77	649	11-71		44	866	-.05	24	46
33-62-0570	6777383	1308101	1-67	3	305	19,303	3.63	701	13	16,266	3.74	608	7-71		42	929	-.03	29	52
33-62-0570	6783095	1308101	10-66	3	305	24,290	3.80	922	12	17,533	3.80	667	12-71		42	1,371	-.01	48	81
33-62-0570	7031060	1308101	11-67	2	305	22,510	3.54	796	10	17,430	3.78	658	2-71		40	1,125	-.05	33	61
33-62-0570	7214877	1392858	9-68	2	305	22,540	3.89	876	14	18,850	3.81	719	2-72		40	611	.05	29	42
33-62-0733	6804212	1507442	2-67	3	305	21,783	3.78	824	13	16,413	3.66	600	12-71		29	794	.03	33	51
33-62-0733	6999015	1330987	11-67	1	305	23,230	3.62	842	8	18,290	3.51	642	5-71		36	715	.05	33	49
33-62-0733	7354814	1308101	1-69	2	305	24,380	3.76	916	7	18,620	3.57	664	3-72		40	1,206	.00	44	73
33-62-0733	7354815	1308101	7-69	1	305	20,620	3.40	702	12	17,500	3.59	628	8-71		36	870	-.04	25	47
33-62-0843	6399631	1182696	11-64	4	288	16,488	3.41	562	16	11,930	3.95	471	10-71		44	782	-.04	22	42
33-62-0843	7092381	1308101	6-67	3	305	15,056	4.05	610	13	12,723	3.72	473	12-71		42	807	.02	32	51
33-65-0711	7188264	1308101	11-68	2	288	18,210	3.77	686	31	15,655	3.99	624	1-72		40	850	-.04	25	46
33-65-0711	7341152	1308101	5-69	1	305	20,680	3.87	801	30	14,190	3.90	553	6-71		36	1,097	-.01	38	64
33-69-0115	6499463	1308101	12-65	4	304	18,950	3.22	610	15	14,950	3.60	538	5-71		44	1,046	-.08	26	53
33-69-0115	7185528	1308101	9-68	2	305	18,755	3.46	649	13	15,410	3.73	575	2-72		40	928	-.06	25	49
33-69-0143	6667319	1315578	4-66	4	303	16,287	3.92	638	15	13,310	3.73	496	10-71		44	506	.11	35	44
33-69-0143	7427629	1308101	11-69	1	286	19,840	3.39	672	18	14,690	3.68	540	12-71		36	1,001	-.05	29	54
33-69-0148	6761715	1244009	10-66	3	305	20,193	3.21	648	27	13,703	3.56	488	2-71		42	1,144	-.09	28	58
33-69-0148	7215289	1387978	9-68	1	305	16,050	4.17	669	26	12,620	3.74	472	2-72		36	672	.03	29	44
33-69-0170	6268675	1271075	11-64	5	305	18,626	3.35	624	19	14,888	3.57	531	10-71		44	883	-.04	26	48
33-69-0170	7288435	1387978	2-69	1	305	18,020	3.62	652	20	14,490	3.43	497	12-71		36	693	.01	26	42
33-69-0243	7001617	1308101	8-66	3	289	16,226	3.45	559	15	12,110	3.94	477	8-71		42	1,005	-.07	26	52
33-69-0243	7595030	1308101	3-69	1	305	17,240	3.71	640	19	13,560	3.92	532	10-71		36	883	-.03	27	49
33-69-0272	6427854	1308101	11-65	3	305	19,870	3.33	662	14	17,196	3.49	601	5-71		42	898	-.05	25	43
33-69-0272	6682490	1308101	3-66	3	305	21,666	3.48	755	12	16,846	3.49	588	6-71		42	1,141	-.03	37	65
33-69-0272	7080362	1308101	12-67	2	305	17,985	3.44	618	13	16,330	3.46	565	9-71		40	766	-.03	23	42
33-69-0272	7321232	1308101	3-69	1	305	20,450	3.43	702	13	17,530	3.56	624	2-71		36	856	-.04	25	46
33-69-0272	7343145	1308101	12-68	1	305	19,600	3.59	704	13	17,530	3.56	624	2-71		36	792	-.02	26	45
33-69-0344	6184625	1271075	7-64	2	305	20,145	3.39	683	14	14,865	3.48	517	3-71		40	961	-.02	32	55
33-69-0344	7297954	1387978	3-69	1	305	26,440	2.89	765	20	18,820	3.38	637	11-71		36	1,030	-.08	25	52
33-69-0344	7372207	1387978	6-69	1	305	22,930	3.31	760	20	18,820	3.38	637	11-71		36	768	-.02	24	43
33-69-0364	7252029	1387978	12-68	1	305	19,440	3.38	657	5	14,890	3.49	520	9-71		36	772	-.02	25	44
33-69-0410	6935205	1261857	8-67	2	299	16,225	3.61	586	15	14,340	3.40	488	9-71		40	596	.07	32	44
33-69-0410	6935208	1261857	9-67	2	305	18,515	3.89	720	11	14,170	3.47	491	1-72		40	844	.10	46	63
33-69-0410	6935209	1261857	10-67	2	300	17,370	3.53	614	14	14,135	3.40	481	8-71		40	730	.06	36	52
33-69-0712	6969209	1477381	1-68	2	293	19,235	3.67	705	12	15,210	3.63	552	5-71		39	736	.03	31	48
33-69-0712	7301091	1387978	12-68	1	305	20,470	3.39	693	18	15,050	3.57	537	8-71		36	838	-.03	26	47
33-69-0712	7376321	1387978	11-68	2	305	20,440	3.31	676	18	15,975	3.64	582	2-72		40	873	-.05	24	46
33-69-0716	5673888	1010936	8-62	7	305	19,990	3.53	705	17	15,660	3.58	561	8-71		44	734	.01	28	45
33-69-0812	6551988	1368109	4-66	3	305	19,840	3.70	735	9	14,390	3.55	511	9-71		42	720	.01	28	45
33-69-0846	6283361	1330987	12-64	4	305	18,900	3.42	646	9	15,405	3.56	548	10-71		44	726	.01	27	44
33-70-0170	6995435	1315578	5-66	3	305	19,046	4.30	819	7	12,310	3.74	461	9-71		42	906	.17	58	75
33-70-0212	6681199	1315578	5-66	1	305	20,020	3.79	759	11	15,420	3.57	550	1-72		36	522	.11	35	45
33-70-0670	7056995	1308101	11-67	3	298	17,630	3.66	646	49	15,383	3.69	567	8-71		42	828	-.02	27	47
33-70-0670	7258144	1308101	9-68	1	305	20,380	3.46	706	46	15,530	3.71	576	9-70		36	985	-.04	29	54
33-77-0441	6729415	1462743	12-66	3	305	21,573	3.52	759	21	14,140	3.85	545	10-71		29	1,056	-.05	31	57
33-77-0441	7573096	1308101	6-68	2	305	16,175	3.75	607	27	14,010	3.70	518	11-71		40	794	-.02	26	45
33-78-0210	6726855	1308101	2-67	2	305	17,645	3.77	666	23	14,320	3.78	542	9-70		40	915	-.02	30	52
33-78-0210	7496931	1308101	6-69	1	305	21,010	3.62	760	19	16,020	3.68	589	1-72		36	959	-.03	32	57
33-78-0210	7496932	1308101	7-69	1	305	18,440	3.29	607	18	14,750	3.84	566	10-71		36	892	-.07	22	45
33-78-0210	7897248	1308101	9-69	1	305	18,710	3.32	621	20	15,740	3.77	593	12-71		36	846	-.06	21	43
33-79-0345	6624665	1308101	4-66	4	305	19,177	3.81	731	27	14,585	3.77	550	3-72		44	1,115	-.01	39	66
33-79-0345	6624668	1458728	8-66	3	297	20,523	3.74	768	36	15,390	3.87	595	10-71		41	801	-.05	22	42
33-79-0345	6892089	1352953	12-66	4	298	22,250	3.49	776	27	15,963	3.85	614	4-72		44	781	-.04	22	42
33-79-0345	7141567	1308101	7-68	2	305	17,810	4.31	768	29	15,540	3.89	604	2-72		40	820	.04	35	54
33-79-0345	7141568	1308101	7-68	2	305	25,925	3.84	996	34	16,375	3.98	652	2-72		40	1,568	-.02	54	92
33-79-0345	7307515	1315578	9-68	2	305	20,910	4.15	868	38	16,720	3.97	663	11-71		40	610	.13	41	52
33-79-0347	7114980	1352979	1-68	2	305	23,440	3.33	781	22	17,190	3.83	659	1-72		40	957	-.12	16	42
33-79-0347	7176492	1315578	10-68	1	305	21,010	3.71	780	10	15,260	3.73	569	5-71		36	606	.09	35	47

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C D	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
33-79-0511	6758133	1308101	2-67	2	305	16,435	4.00	658	20	13,870	3.91	543	11-70		40	833	-.01	29	$ 49
33-79-0714	6646973	1315578	10-66	3	302	17,583	3.92	689	52	14,656	3.75	550	6-71		42	495	.11	34	43
33-79-0714	6803267	1276344	12-66	3	305	19,557	3.78	740	68	15,607	3.88	606	12-71		42	649	.02	27	42
33-79-0714	7356078	1308101	9-68	2	305	19,170	4.07	780	62	15,505	3.92	608	10-71		40	962	.01	36	59
33-79-0841	6406505	1441293	8-65	4	301	21,723	3.22	700	36	15,010	3.58	538	1-71		30	1,030	-.08	25	52
33-79-0841	7175754	1308101	8-68	2	294	20,845	3.97	828	53	16,710	3.84	641	11-71		40	1,022	.01	38	62
33-79-0841	7200290	1308101	9-68	2	296	18,505	3.42	632	39	15,625	3.82	597	1-72		40	883	-.06	22	45
33-79-0841	7460774	1308101	8-69	1	305	22,240	3.23	718	49	16,020	3.96	634	10-71		36	1,090	-.09	26	54
33-85-0522	6458018	1315578	10-65	3	305	18,350	3.69	677	9	14,726	3.66	539	7-71		42	576	.09	34	45
33-85-0522	6881044	1308101	5-67	2	305	18,760	3.24	608	18	15,495	3.79	588	7-71		40	921	-.09	20	44
33-85-0522	6881045	1308101	6-67	2	305	19,015	3.51	667	13	15,780	3.74	590	11-71		40	921	-.05	26	49
33-85-0522	6881047	1308101	8-67	2	305	16,565	3.55	588	9	14,580	3.65	532	12-71		40	782	-.03	23	43
33-85-0522	6881048	1315578	7-67	2	305	19,690	3.57	702	9	16,090	3.59	578	12-71		40	544	.08	32	43
33-85-0522	7029138	1315578	1-68	1	305	19,470	3.22	627	15	13,350	3.70	494	8-71		36	619	.04	29	43
33-85-0672	6664274	1182696	9-66	3	305	19,740	3.87	763	14	14,807	3.65	540	6-71		42	827	.05	38	56
33-85-0672	7605862	1308101	6-69	1	305	19,570	3.37	660	16	14,380	3.76	540	10-71		36	1,001	-.05	28	53
33-86-0115	6715395	1199324	9-65	2	236	20,365	3.88	790	8	16,090	3.64	586	4-71	B	40	913	.03	37	58
33-86-0116	6670002	1315578	7-66	2	305	18,090	3.67	664	21	13,950	3.67	512	11-71		40	577	.09	34	45
33-86-0116	7394387	1308101	7-69	1	305	19,640	3.52	692	20	14,690	3.70	543	11-71		36	986	-.04	30	54
33-86-0147	7296742	1314767	1-68	2	305	22,205	3.75	833	22	16,150	3.85	621	1-72		40	767	.02	31	49
33-86-0151	5844250	1315578	2-63	6	305	16,065	4.01	644	17	13,478	3.73	503	10-70		44	472	.12	35	43
33-86-0151	6303581	1315578	11-64	5	305	18,356	3.50	642	17	14,572	3.65	532	10-71		44	640	.05	31	45
33-86-0151	6926424	1330987	2-67	3	305	18,510	4.44	822	23	15,710	3.70	581	10-71		42	626	.14	44	55
33-86-0151	6963110	1478014	9-67	2	305	21,900	3.83	839	26	15,555	3.68	573	11-71		40	915	.05	40	61
33-86-0153	7369314	1494804	12-68	2	304	24,575	4.03	991	19	17,045	3.73	636	12-71		34	655	.11	48	65
33-86-0153	7559773	1509496	10-69	1	305	20,490	4.05	829	17	16,330	3.88	633	12-71		25	742	-.01	26	44
33-86-0153	7559774	1509496	10-69	1	305	20,950	3.79	795	17	16,330	3.88	633	12-71		25	783	-.03	23	43
33-86-0157	6790947	1308101	10-66	2	305	16,415	3.79	622	44	11,875	3.64	432	9-71		40	1,013	.00	36	60
33-86-0157	6950375	1308101	8-67	1	305	17,850	3.25	580	41	12,870	3.53	454	8-70		36	974	-.05	28	52
33-86-0157	6950377	1308101	8-67	2	305	18,965	3.46	656	31	13,565	3.64	494	1-72		40	1,118	-.05	33	61
33-86-0157	6950389	1392858	12-67	2	305	21,180	3.24	686	34	12,935	3.57	462	11-71		40	1,013	-.02	33	58
33-86-0167	7507178	1308101	1-70	1	303	17,340	3.90	677	21	14,130	3.70	523	12-71		36	852	.00	30	50
33-86-0280	6552870	1315578	9-65	4	305	17,525	4.01	702	23	14,020	3.97	556	6-71		44	580	.10	36	47
33-86-0280	6856943	1308101	4-67	2	305	15,825	4.14	655	32	14,040	4.01	563	9-70		40	756	.00	27	45
33-86-0280	6969212	1308101	5-67	3	305	21,930	3.48	764	35	14,306	4.02	575	11-71		42	1,434	-.08	39	75
33-86-0280	6969214	1308101	10-67	2	305	16,760	4.04	677	12	14,435	3.90	563	5-71		40	815	.00	29	48
33-86-0311	6304617	1315578	2-65	5	303	15,606	4.02	628	27	12,762	3.81	486	2-72		44	496	.11	35	44
33-86-0313	6828683	1315578	1-67	3	303	19,753	3.96	782	24	15,840	3.93	623	10-71		42	622	.10	37	49
33-86-0313	7062797	1392858	1-68	2	305	21,825	3.48	760	31	15,950	3.90	622	11-71		40	803	-.02	26	46
33-86-0313	7084942	1435095	4-68	2	305	21,730	3.95	859	18	15,150	3.96	600	4-72		40	665	.06	33	47
33-86-0314	7060634	1386859	1-68	2	305	20,520	3.71	761	22	15,625	3.95	617	2-72		40	739	.00	27	45
33-86-0340	6171018	1329588	9-64	3	303	17,847	3.33	595	5	11,927	3.77	450	5-71		42	853	-.06	21	43
33-86-0349	7498292	1315578	3-69	1	305	22,640	3.61	817	19	17,100	3.91	669	4-71		36	604	.06	31	44
33-86-0362	7001206	1308101	9-67	2	305	19,365	3.51	679	19	16,675	3.80	633	5-71		40	874	-.06	23	45
33-86-0362	7477760	1330987	7-69	1	305	21,290	3.42	728	9	16,210	3.92	635	11-71		36	710	.00	25	42
33-86-0362	7556515	1427381	11-69	1	305	19,020	3.60	684	13	15,710	3.91	614	1-72		36	1,024	.02	40	64
33-86-0411	6592829	1314767	8-65	4	305	18,735	4.17	781	15	15,570	3.72	579	5-71		44	533	.10	34	44
33-86-0411	7380770	1428104	7-69	1	305	20,980	3.88	813	17	14,880	3.88	578	2-72		35	938	-.06	25	49
33-86-0411	7573000	1428104	2-69	1	305	21,340	3.70	790	23	15,090	3.92	591	1-72		35	951	-.08	22	47
33-86-0411	7573016	1428104	5-69	1	305	24,030	2.88	691	17	14,880	3.88	578	2-72		35	1,168	-.17	15	48
33-86-0443	7465067	1450228	1-70	1	305	17,710	3.83	678	18	15,360	3.95	606	2-72		35	766	-.03	23	42
33-86-0511	6993985	1308101	9-67	2	304	19,105	3.65	697	7	15,070	3.66	551	3-72		40	995	-.03	32	56
33-86-0541	6410053	1315578	10-65	5	294	17,346	4.14	718	15	14,552	3.81	554	3-72		44	512	.13	38	47
33-86-0541	7288070	1427381	3-69	1	292	18,140	3.81	691	25	13,720	3.86	530	8-71		36	1,092	.04	46	71
33-86-0542	7081430	1261857	11-66	3	305	16,720	4.18	699	27	14,740	3.91	577	10-71		42	623	.10	37	49
33-86-0574	6429919	1315578	10-65	5	301	17,928	4.07	730	16	15,420	3.60	555	2-72		44	487	.15	40	48
33-86-0574	6735020	1373055	11-65	4	305	20,890	3.29	688	17	15,060	3.64	548	6-71		44	889	-.09	19	43
33-86-0574	7000914	1320371	2-67	3	305	19,900	3.63	722	15	15,370	3.62	556	5-71		42	711	.00	25	42
33-86-0574	7397543	1393997	9-69	1	305	24,740	4.28	1059	18	18,630	3.51	654	1-72		35	799	.11	45	61
33-86-0612	6524256	1315578	10-65	4	305	16,717	4.01	670	37	14,197	3.80	540	5-71		44	461	.12	34	42
33-86-0612	6653765	1308101	10-66	3	305	15,746	3.68	580	37	13,666	3.91	534	12-70		42	789	-.04	22	42
33-86-0612	6653766	1308101	10-66	4	302	16,985	3.89	661	36	14,112	3.90	550	3-72		44	897	-.02	30	52
33-86-0612	6653768	1308101	10-66	3	305	17,783	3.33	592	36	14,153	3.89	550	9-71		42	973	-.09	22	48
33-86-0612	6866935	1308101	4-67	2	305	17,655	3.38	597	38	13,910	3.93	546	1-71		40	953	-.07	23	48
33-86-0614	7373063	1450228	6-69	1	305	20,900	3.67	768	14	14,730	3.81	561	8-71		35	1,054	-.03	33	59
33-86-0614	7373064	1450228	6-69	1	299	18,290	3.72	680	12	15,180	3.70	562	11-71		35	823	-.02	26	46
33-86-0614	7470114	1427381	11-69	1	305	22,270	3.58	798	13	14,750	3.72	548	1-72		36	1,330	.03	53	84
33-86-0614	7470115	1427381	12-69	1	305	19,800	3.64	720	9	14,750	3.65	538	2-72		36	1,146	.04	48	74
33-86-0615	6823540	1417208	3-67	3	305	18,363	3.80	698	20	13,607	3.56	484	11-71		42	911	.04	39	60
33-86-0723	6822303	1330987	12-66	1	305	20,720	3.63	752	32	15,690	3.89	610	10-71		36	702	.02	28	44
33-86-0730	6608557	1315578	11-65	4	305	20,262	3.78	766	23	15,790	3.71	586	8-71		44	721	.09	40	55
33-86-0841	6054091	1315578	3-64	5	305	16,172	4.09	661	10	13,532	3.82	517	8-71		44	479	.12	35	43
33-86-0841	6161668	1315578	11-64	5	305	17,190	4.15	714	7	13,984	3.74	523	8-71		44	558	.15	42	51
33-86-0847	6587479	1303198	9-65	4	304	20,338	3.95	804	18	16,630	3.57	593	4-71		44	638	.07	33	46
33-86-0851	5499292	1179372	12-61	6	305	15,073	4.28	645	9	12,345	3.62	447	6-71		44	514	.10	33	43
33-86-0856	6832235	1329588	1-67	1	305	23,710	3.55	842	10	16,750	3.69	618	12-71		36	757	-.03	23	42
33-86-0941	6056270	1315578	1-64	6	299	16,693	4.14	691	12	14,026	3.84	538	3-71		44	489	.13	37	45
33-86-9110	6508580	1406520	12-64	5	301	18,050	4.07	735	17	13,762	3.79	522	6-71		36	700	.06	35	50
33-86-9110	7578146	1428104	11-69	1	305	24,720	3.21	793	32	14,980	3.67	550	1-72		35	1,214	-.12	25	57
33-86-9141	6145402	1428104	9-64	6	305	19,570	3.54	693	19	15,566	3.67	571	3-72		44	952	-.08	22	47
33-86-9141	6499702	1242221	1-66	4	305	17,878	3.63	649	23	15,123	3.68	556	11-71		42	952	.00	34	57
33-86-9141	7140169	1509496	7-68	2	304	23,310	3.18	742	23	16,580	3.66	607	12-71		30	1,148	-.11	24	54
33-86-9146	6566302	1242221	11-65	5	302	17,386	3.35	583	21	14,134	3.86	545	2-72		43	1,012	-.07	26	52
33-86-9146	6566303	1315578	1-66	4	305	18,740	3.63	680	20	14,490	3.77	546	3-71		44	678	.06	34	48
33-86-9146	6823301	1315578	10-66	3	305	17,283	3.78	654	18	13,850	3.77	522	7-71		42	544	.09	33	44

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALV MO-YR	T C O	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
33-86-9146	6862577	1242221	10-66	3	305	18,153	3.28	596	19	15,053	3.80	572	3-71		41	981	-.07	25	$ 50
33-86-9146	7132391	1308101	6-68	2	304	16,690	3.67	612	25	14,945	3.77	563	11-71		40	761	-.03	23	42
33-86-9155	7343732	1308101	11-68	2	305	19,510	3.34	652	8	13,695	3.59	491	4-72		40	1,161	-.06	33	62
33-87-0242	7545523	1458744	7-69	1	305	19,330	3.50	676	12	16,210	3.44	557	1-72		36	725	-.01	25	42
33-87-0242	7545524	1458744	11-69	1	305	22,820	3.33	759	14	16,770	3.47	582	2-72		36	947	-.03	30	53
33-87-0242	7712227	1427381	2-70	1	305	20,180	3.21	648	8	17,160	3.43	588	3-72		36	1,013	.02	39	63
33-87-0511	6396347	1386859	8-65	5	305	19,890	3.53	703	19	15,046	3.83	576	10-71		44	852	-.02	28	49
33-87-0511	7073021	1308101	2-68	2	305	23,480	3.49	819	22	16,730	3.74	626	1-71		40	1,287	-.05	38	70
33-87-0515	7130567	1308101	6-68	1	305	20,600	3.48	716	13	15,300	3.58	548	12-70		36	1,016	-.03	32	57
33-87-0515	7266777	1308101	9-68	1	305	19,610	3.86	756	12	14,860	3.59	533	1-71		36	972	.01	36	59
33-92-0242	6942018	1308101	11-67	2	305	16,480	3.25	536	10	13,720	3.50	480	3-71		40	852	-.05	23	45
33-92-0242	7220615	1308101	11-68	1	305	19,000	3.46	657	10	13,360	3.71	495	3-71		36	1,027	-.04	31	57
33-92-0447	6966363	1315578	11-67	3	305	18,526	3.50	649	35	14,066	3.65	514	11-71		42	665	.06	33	47
33-92-0447	7049416	1308101	2-68	2	305	18,635	3.63	676	36	13,930	3.66	510	10-71		40	1,051	-.03	34	60
33-92-0447	7466671	1308101	7-69	1	305	16,110	3.68	593	26	13,660	3.68	503	8-71		36	792	-.02	25	44
33-92-0572	6634928	1308101	4-66	2	305	17,225	3.44	593	19	14,370	3.66	526	12-70		40	868	-.05	24	46
33-92-0572	7343421	1308101	2-69	2	305	20,495	3.79	777	37	15,780	3.54	558	1-72		40	1,371	.01	40	65
33-92-0942	7138102	1308101	4-68	2	305	19,880	3.83	762	12	17,665	3.64	643	1-72		40	836	.01	31	51
33-92-0942	7261040	1308101	10-68	2	305	21,445	3.37	722	19	16,605	3.60	597	11-71		40	1,092	-.05	31	59
33-92-0942	7261041	1308101	12-68	1	305	17,910	3.84	687	15	15,280	3.61	551	7-71		36	817	.00	29	49
33-92-0942	7261042	1308101	12-68	2	305	20,960	3.63	760	16	17,245	3.65	629	1-72		40	984	-.02	32	56
33-95-0112	6883730	1308101	7-66	3	305	18,943	3.49	661	13	15,013	3.71	557	7-71		42	1,017	-.05	29	55
33-95-0112	7121439	1308101	12-67	2	301	18,810	3.62	680	18	15,335	3.68	565	11-71		40	941	-.03	29	52
33-95-0440	7061640	1392858	12-67	2	305	23,190	3.41	790	21	16,675	3.62	604	2-71		40	875	.00	31	52
33-95-0440	7365963	1308101	2-69	1	305	23,500	3.51	824	32	17,620	3.56	627	11-71		36	1,077	-.03	34	61
33-95-0440	7387205	1308101	3-69	1	305	19,760	3.68	728	33	16,480	3.60	593	9-71		36	875	-.02	29	50
33-95-0470	7325948	1308101	3-69	1	305	19,490	3.63	708	12	15,740	3.98	627	9-71		36	904	-.04	26	49
33-95-0476	6360577	1315578	9-65	4	305	17,390	3.65	634	15	14,307	3.61	517	7-71		44	532	.09	32	42
33-95-0480	5617005	1217611	12-61	8	305	19,945	4.09	816	13	15,045	3.88	584	3-72		44	705	.03	30	46
33-95-0480	6770565	1330987	12-66	2	305	20,280	3.51	712	7	15,300	3.86	590	5-71		40	813	.00	29	46
33-95-0670	4856710	1065220	6-58	10	304	19,907	3.83	762	15	14,452	3.72	538	1-71		44	797	.01	31	5[illegible]
33-96-0312	7101478	1427381	3-68	2	238	21,940	3.35	734	15	15,840	3.61	572	9-71		40	1,355	.00	49	81
33-96-0312	7253908	1308101	1-69	1	305	20,630	3.22	665	9	17,120	3.42	586	5-71		36	897	-.05	25	48
33-96-0312	7461216	1427381	9-69	1	305	19,730	4.06	802	9	16,920	3.56	602	4-72		36	995	.09	49	7[illegible]
33-96-0340	7140126	1308101	3-68	2	305	19,815	3.48	689	28	15,395	3.65	562	11-71		40	1,037	-.04	31	57
33-96-0340	7260883	1516558	11-68	2	305	20,320	3.42	695	30	15,725	3.62	569	12-71		28	794	-.04	23	43
33-96-0340	7535637	1308101	11-69	1	305	18,830	3.82	719	27	15,750	3.66	576	12-71		36	854	-.01	30	5[illegible]
33-96-0340	7591229	1308101	7-69	1	305	18,130	3.56	646	24	15,070	3.71	559	10-71		36	848	-.03	26	47
33-96-0350	6666180	1425273	11-66	3	305	23,276	3.11	725	13	14,603	3.35	489	3-71		34	1,138	-.09	27	57
33-96-0351	7[illegible]72720	1458744	10-68	1	305	19,510	4.00	781	16	14,610	3.69	539	11-71		36	845	.03	35	54
33-96-0351	[illegible]500745	1458744	12-69	1	305	19,470	3.84	748	20	15,910	3.62	576	2-72		36	755	.02	30	47
33-96-0352	61[illegible]4828	1283917	6-64	5	305	24,198	3.17	767	24	17,304	3.63	629	12-71		44	1,128	-.15	18	49
33-96-0352	64[illegible]4765	1182696	11-65	4	303	19,763	3.91	772	24	17,270	3.54	611	5-71	B	44	593	.08	33	45
33-96-0352	6832866	1330987	2-67	3	303	21,573	3.59	775	26	17,087	3.65	624	7-71		42	336	.03	34	53
33-96-0352	6832868	1383311	3-67	3	305	24,557	3.23	794	24	17,093	3.66	626	10-71		42	975	-.08	23	48
33-96-0352	7266157	1315578	10-67	3	304	19,830	4.14	821	15	17,810	3.63	647	2-72		42	427	.16	39	45
33-96-0352	7379166	1427381	6-69	1	305	21,490	3.66	787	24	18,680	3.55	664	12-71		36	1,009	.05	44	67
33-96-0352	7474808	1427381	8-69	1	305	22,000	3.71	817	15	17,980	3.73	670	2-72		36	1,093	.04	46	71
33-96-0443	6619014	1222994	2-65	5	305	16,126	3.76	607	10	12,486	3.72	465	10-71		44	700	.01	27	43
33-96-0612	6790396	1480096	1-67	4	305	17,368	3.85	668	20	12,840	3.65	469	4-72		30	665	.04	30	45
33-96-0612	7214131	1458744	11-68	2	305	19,335	3.29	636	47	11,995	3.77	452	11-71		40	1,170	-.06	33	63
33-96-0720	6450059	1315578	10-65	4	305	20,775	4.13	859	15	13,782	3.72	513	4-72		44	1,008	.15	60	8[illegible]
33-96-0720	7134327	1458744	7-68	1	305	18,810	3.19	600	12	14,620	3.60	527	1-71		36	793	-.04	22	42
33-96-0720	7134328	1458744	7-68	1	305	18,750	4.02	754	6	14,800	3.44	509	4-71		36	776	.05	35	52
33-96-0720	7474609	1458744	9-69	1	294	19,840	3.65	725	15	13,570	4.05	550	2-72		36	940	-.03	30	53
33-96-0722	6019609	1250350	1-64	6	275	22,313	3.61	805	13	14,035	3.67	515	10-71	B	38	1,259	-.02	42	73
33-96-0722	7285728	1427381	12-68	1	305	17,360	3.95	685	20	14,840	3.64	540	1-71		36	958	.07	45	66
33-96-0722	7476191	1427381	9-69	1	133	17,820	3.29	587	10	13,570	3.65	495	9-71	B	36	1,078	.01	40	65
33-96-0810	6649072	1330987	10-66	3	305	16,980	4.36	741	14	15,023	3.69	555	2-72		42	521	.12	37	46
33-96-0810	7002241	1315578	11-67	2	305	17,745	4.42	784	17	15,190	3.73	567	11-71		40	429	.17	41	47
33-98-0142	6725075	1308101	10-66	2	305	17,595	3.86	679	9	14,935	3.61	539	1-71		40	854	.01	32	52
33-98-0142	6725077	1308101	11-66	2	305	16,385	3.50	574	12	14,115	3.78	534	12-70		40	806	-.05	22	42
33-98-0514	6856129	1261857	6-67	2	305	15,375	3.56	548	13	11,990	3.70	444	8-71		40	724	.05	33	49
33-98-0530	7600992	1447414	10-69	1	305	19,970	4.38	874	20	16,470	4.65	766	9-71		35	890	-.03	28	50
33-98-0530	7650544	1387978	4-69	1	291	25,170	3.11	784	19	14,950	4.22	631	1-72	B	36	1,195	-.10	27	58
33-98-0546	7076376	1308101	1-68	2	305	19,970	3.56	711	6	15,790	3.78	597	10-71		40	1,017	-.04	30	55
33-98-0548	5467316	1315578	12-61	7	305	20,055	3.71	744	13	14,597	3.70	540	11-71		44	857	.08	43	61
33-98-0548	6105695	1315578	4-64	5	305	19,564	4.15	811	20	15,486	3.71	574	12-70		44	690	.15	48	60
33-98-0548	7092159	1315578	6-68	1	305	22,570	4.21	951	11	16,770	3.79	635	3-71		36	621	.14	44	55
33-98-0548	7549489	1447414	11-69	1	305	19,960	3.69	736	19	18,080	3.85	696	1-72		35	780	-.04	22	42
33-98-0615	6289762	1386859	11-64	6	305	20,168	3.96	798	11	16,241	3.91	635	4-72		44	748	.04	33	50
33-98-0851	7613823	1427381	1-70	1	284	16,780	4.10	688	21	12,760	3.77	481	3-72		36	1,055	.07	49	72
33-98-9170	6805552	1308101	2-67	2	305	21,555	3.20	690	14	15,820	3.77	597	4-71		40	1,175	-.09	28	59
33-98-9170	7074254	1518291	9-67	2	305	19,540	4.05	791	18	14,540	3.65	531	9-70		30	529	.11	35	45
33-98-9170	7074267	1315578	5-68	1	305	21,580	3.72	803	13	15,570	3.90	608	9-71		36	628	.08	35	48
33-99-0944	6296507	1315578	1-65	5	304	20,904	3.45	722	8	17,182	3.47	597	4-71		44	666	.07	34	48
33-99-0944	7304140	1308101	1-69	2	305	22,120	3.55	786	16	16,300	3.70	603	2-72		40	1,188	-.04	37	66
34-03-0001	6214648	1436493	6-64	6	305	19,765	3.78	748	21	15,315	3.76	576	10-71		32	720	.02	29	46
34-03-0009	5380197	1156779	3-61	7	305	20,313	3.55	722	26	16,431	3.66	601	8-71		44	687	.01	26	42
34-03-0009	6662190	1267271	10-66	3	305	23,440	3.99	936	38	17,503	3.78	661	1-71		42	992	.02	39	62
34-03-0009	6708644	1290182	9-66	4	298	25,225	3.64	919	38	17,113	3.86	660	12-71		44	1,073	-.02	36	62
34-03-0009	6708648	1290182	1-67	4	305	24,813	3.43	851	41	17,425	3.82	666	10-71		44	988	-.06	27	52
34-03-0009	6708652	1267271	10-66	4	304	22,553	3.64	820	43	17,978	3.78	680	12-71		44	876	-.04	25	47
34-03-0009	6996720	1407817	9-67	3	294	23,630	4.05	956	56	18,090	3.78	684	12-71		42	696	.07	36	51
34-03-0009	7040831	1290182	2-68	2	305	24,595	3.77	927	39	17,665	3.79	669	12-71		40	777	.01	30	46

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C D	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
34-03-0044	7096897	1492862	2-68	2	305	17,770	4.15	738	15	13,520	3.82	516	12-71		30	574	.07	31	$ 43
34-03-0050	5999254	1283917	12-63	5	305	20,040	3.99	799	17	15,428	3.74	577	7-71		44	810	-.01	28	48
34-03-0050	6670188	1330987	11-66	2	305	19,325	3.99	772	19	15,985	3.72	595	2-71		40	654	.08	35	49
34-03-0050	6757024	1330987	12-66	3	305	18,077	4.35	787	31	15,143	3.88	588	11-71		42	635	.11	39	51
34-03-0050	7052579	1427381	5-68	1	305	19,000	4.38	832	40	16,520	3.93	650	10-71		36	968	.09	48	69
34-03-0053	7426939	1489981	4-69	1	305	16,950	4.54	769	22	12,950	3.77	488	10-71		35	476	.16	41	48
34-03-0055	7651747	1447141	10-68	1	305	22,670	3.10	703	13	16,580	3.66	607	10-71		36	713	.00	25	42
34-03-0090	5633330	1368047	1-62	6	301	18,928	3.79	717	10	14,108	3.61	509	9-71		35	864	.05	39	58
34-03-0206	7211154	1427381	8-68	1	305	19,450	3.78	735	12	14,790	3.62	535	7-71		36	1,117	.06	49	74
34-03-0259	7135672	1478014	7-68	2	304	17,235	4.25	733	20	14,465	3.75	543	9-71		40	539	.08	32	43
34-03-0259	7135673	1478014	9-68	2	301	19,040	3.88	739	24	15,455	3.82	591	10-71		40	632	.04	29	43
34-03-0259	7468935	1406271	10-69	1	305	20,960	3.32	695	25	15,980	3.92	627	10-71		36	791	-.02	26	45
34-03-0259	7468936	1406271	10-69	1	305	19,830	3.91	775	20	16,310	3.98	649	11-71		36	685	.04	31	46
34-08-0009	7103833	1261857	5-68	2	305	19,625	3.91	767	22	16,415	3.52	577	10-71		40	751	.11	43	56
34-08-0014	6890054	1258981	5-67	2	292	17,475	3.81	665	26	14,155	3.53	499	1-72		40	633	.05	30	44
34-08-0025	6917956	1465940	3-66	4	299	16,662	4.21	701	16	13,572	3.79	515	9-71		34	631	.05	31	45
34-08-0025	6917963	1465940	7-67	2	295	19,045	3.67	699	17	14,105	3.80	536	8-71		29	796	-.03	24	44
34-08-0025	6997394	1465940	9-67	3	300	20,840	2.97	618	20	14,646	3.83	561	1-72		32	1,040	-.16	13	42
34-08-0025	6997396	1330987	11-67	2	305	19,030	4.29	817	25	15,650	3.65	571	4-71		40	655	.12	41	53
34-08-0029	6091757	1344455	3-64	4	283	18,940	3.67	696	19	15,782	3.57	564	5-71		36	690	.03	30	46
34-08-0029	6302608	1341636	4-64	5	298	18,628	4.10	763	19	15,246	3.67	560	5-71		36	732	.10	42	57
34-08-0029	6738637	1308101	10-66	3	305	22,793	3.34	761	13	17,940	3.62	650	4-71		42	1,157	-.07	31	60
34-08-0029	7111551	1261857	2-68	2	305	23,065	3.57	823	16	16,430	3.58	589	7-71		40	1,099	.05	47	72
34-08-0029	7217063	1360676	12-68	1	305	21,910	3.73	818	33	17,280	3.68	636	11-71		35	823	.02	33	52
34-08-0029	7338299	1406271	3-69	1	305	19,130	4.35	832	22	17,370	3.74	649	1-72		36	562	.10	35	46
34-08-0048	6739345	1336050	12-66	2	305	18,700	3.67	687	16	13,910	3.62	504	4-71		40	915	.01	34	56
34-08-0048	6852104	1336050	3-67	3	305	16,170	3.70	599	15	13,357	3.65	488	1-72		42	731	.01	28	45
34-08-0056	6392754	1237057	10-65	4	305	21,058	3.24	683	14	15,335	3.54	543	3-71		44	982	-.09	22	48
34-08-0056	7270081	1336050	10-68	1	305	18,440	3.25	599	13	14,270	3.49	498	6-71		36	772	-.03	24	43
34-08-0079	5395739	1258981	4-61	7	305	19,854	4.29	851	9	16,764	3.67	616	3-71		44	711	.12	44	58
34-08-0079	5395740	1258981	6-61	7	305	22,494	3.29	740	11	17,116	3.67	629	10-71		44	1,014	-.06	28	54
34-08-0079	7208961	1258981	11-68	1	305	23,360	3.70	865	9	18,060	3.70	668	1-71		35	745	.02	30	47
34-08-0129	6976204	1482271	9-67	3	305	19,520	3.49	682	165	14,613	3.68	538	4-72		34	872	-.04	26	48
34-09-0041	6645880	1330987	6-66	3	305	18,623	3.32	618	14	13,493	3.51	474	8-71		42	868	.00	31	52
34-10-0005	7316776	1393854	3-69	1	305	20,170	3.89	784	11	15,480	3.33	516	9-71		35	449	.15	38	45
34-11-0067	6560334	1336050	3-66	4	305	20,268	3.46	702	11	14,018	3.86	541	3-72		44	1,177	-.05	35	64
34-11-0068	5295339	1232296	11-60	8	305	17,486	4.16	728	16	14,426	3.90	563	5-71		44	698	.11	42	56
34-11-0068	7020580	1336050	1-68	2	296	18,095	3.74	677	15	13,980	4.05	566	12-71	B	40	847	-.02	28	49
34-11-0086	5800264	1387841	1-63	6	305	22,275	3.50	780	16	18,885	3.44	649	2-71		35	683	.01	26	42
34-11-0086	6133665	1387841	9-64	6	302	22,517	3.58	806	15	18,985	3.48	661	9-71		35	706	.02	28	44
34-11-0086	6716472	1336050	10-66	3	305	24,910	3.11	774	14	19,530	3.61	706	12-71		42	1,097	-.09	25	54
34-11-0114	7055510	1469191	2-68	1	305	24,620	2.97	730	15	15,520	3.70	575	7-71		27	997	-.13	16	43
34-11-0115	6539441	1267271	8-65	4	305	21,470	3.21	689	46	15,828	3.49	553	9-71		44	981	-.08	23	49
34-11-0115	6787616	1459935	9-66	3	305	18,870	3.60	679	36	15,166	3.52	534	9-71		32	790	.00	29	48
34-11-0115	6787619	1459935	12-66	3	305	21,000	3.24	680	35	15,180	3.52	535	9-71		32	1,079	-.06	29	56
34-11-0115	6787620	1459935	1-67	2	305	17,985	3.90	701	28	15,055	3.46	521	9-70		29	649	.05	31	45
34-11-0115	6787621	1459935	2-67	3	305	17,813	4.12	734	36	15,166	3.52	534	9-71		32	646	.09	37	5[illegible]
34-11-0188	7366287	1427615	8-69	1	305	24,110	3.75	903	12	18,520	3.82	707	12-71		36	936	-.09	20	45
34-11-0205	6747523	1290182	12-66	4	302	22,058	3.55	784	8	14,920	3.74	558	12-71		44	926	-.02	31	53
34-11-0205	7216822	1447141	10-68	2	305	19,625	4.08	800	6	14,795	3.80	562	3-72		40	723	.09	40	55
34-11-0205	7500265	1347940	9-69	1	305	17,430	3.93	685	11	14,920	3.86	576	11-71		36	709	.01	27	44
34-12-0064	6533225	1199324	11-65	3	305	19,723	3.31	652	8	16,653	3.35	558	4-71		42	826	-.02	26	46
34-13-0015	6816320	1495854	5-67	3	305	17,440	3.95	689	37	13,776	3.72	512	11-71		32	558	.09	34	45
34-13-0015	7304105	1525750	3-69	1	305	23,570	3.27	771	37	13,770	3.72	512	11-71		22	985	-.07	24	5[illegible]
34-13-0022	5941241	1199324	12-63	6	301	22,805	3.71	846	19	17,823	3.76	670	3-71		44	1,117	-.01	39	66
34-13-0022	7215800	1427381	11-68	2	305	20,690	3.90	806	13	18,865	3.74	706	2-72		40	952	.06	44	65
34-13-0022	7310349	1427381	2-69	1	305	25,340	3.32	841	10	17,670	3.74	660	6-71		36	1,363	-.01	48	81
34-13-0022	7436458	1427381	8-69	1	305	21,920	3.62	794	8	18,270	3.80	694	10-71		36	1,068	.03	43	68
34-13-0022	7436459	1427381	10-69	1	302	23,320	3.86	901	8	18,980	3.82	725	12-71		36	1,125	.05	48	73
34-13-0049	6174047	1244009	9-64	2	239	21,280	3.46	737	16	15,280	3.45	527	7-71	B	40	1,038	-.04	31	57
34-13-0143	7432677	1428145	12-67	2	305	20,495	3.53	723	7	15,095	3.66	553	3-71		40	878	-.06	22	45
34-13-0153	6197609	1199324	9-64	6	304	18,630	3.28	611	10	15,273	3.54	541	1-72		44	875	-.06	23	45
34-13-0163	6544245	1445295	11-65	4	305	20,742	3.41	708	45	16,752	3.71	621	12-71		34	804	-.04	23	43
34-13-0163	7019968	1500063	10-67	2	305	23,680	3.48	825	40	17,825	3.61	644	3-71		30	828	-.03	25	46
34-13-0163	7283152	1360676	3-69	1	305	21,620	3.61	781	49	17,340	3.80	659	9-71		35	797	.00	29	48
34-13-0163	7283154	1399654	10-68	1	305	24,790	3.57	886	37	18,510	3.50	648	4-71		35	758	.07	38	54
34-13-0191	7356547	1427381	12-68	1	305	18,740	4.23	792	26	15,430	4.04	624	10-71		36	1,022	.07	47	70
34-13-0208	7083452	1336050	8-66	4	300	16,508	3.54	584	8	13,925	3.60	501	1-72		44	723	-.01	25	42
34-13-0208	7235339	1393854	6-67	2	305	19,335	3.65	706	16	15,075	3.69	557	7-71		40	523	.09	32	42
34-13-0263	7457062	1427381	7-69	1	305	16,740	4.00	670	17	14,060	3.76	528	12-71		36	964	.06	44	65
34-13-0751	6189648	1432091	10-64	6	298	20,293	4.41	895	16	17,235	3.75	646	1-72		32	530	.15	42	5[illegible]
34-13-0751	7215799	1427381	11-68	2	295	18,545	3.74	694	13	16,545	3.83	634	12-71		40	946	.03	39	61
34-14-0334	7553369	1347940	8-69	1	305	17,180	3.55	610	6	14,500	3.66	530	12-71		36	719	-.01	25	42
34-18-0175	6267323	1330987	9-64	4	305	16,468	3.90	643	14	14,045	3.67	516	4-71		44	577	.07	31	43
34-18-0175	6969759	1330987	8-67	3	305	15,400	3.80	585	16	12,300	3.85	473	9-71		42	621	.04	28	42
34-18-0191	7292876	1427381	3-69	2	305	17,185	3.82	656	18	15,670	3.64	571	3-72		40	888	.06	41	61
34-18-0191	7443559	1427381	9-69	1	305	20,710	3.30	683	15	17,380	3.38	587	11-71		36	1,038	.02	41	65
34-18-0191	7659388	010299855	8-68	2	305	22,925	3.03	695	22	15,795	3.56	562	1-72		33	1,035	-.10	22	49
34-18-0192	7419214	1427381	11-69	1	292	18,760	4.08	766	8	15,530	3.64	566	3-72		36	1,016	.08	49	71
34-19-0008	6338661	1244009	8-63	4	305	18,053	3.61	651	23	14,600	3.56	520	3-71		44	825	-.02	26	46
34-19-0018	5887834	1303180	5-63	5	305	16,808	4.23	711	363	14,204	3.62	514	4-71		36	485	.11	34	43
34-19-0018	5943177	1303180	8-63	5	305	18,452	4.30	793	388	14,092	3.63	511	6-71		36	742	.13	46	6[illegible]
34-19-0018	6091259	1396768	12-62	7	305	19,657	3.81	748	359	15,077	3.70	558	11-71		44	753	.01	29	47
34-19-0018	6260013	1267271	10-64	5	305	19,154	3.23	619	454	14,288	3.65	521	5-71		44	890	-.09	18	42
34-19-0018	6277000	1303180	11-64	4	305	19,560	3.50	685	392	14,023	3.64	510	6-71		35	884	-.01	30	51

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C O	REPT (%)	.......C O W MILK (LB)	I N D E X....... FAT (%)	FAT (LB)	DOLLARS
34-19-0018	6375098	1303180	5-65	4	305	18,018	3.49	629	420	13,558	3.66	496	8-71		35	725	-.01	24	$ 42
34-19-0018	6429714	1386406	12-65	4	305	17,202	3.74	644	522	13,765	3.67	505	8-71		44	646	.02	27	42
34-19-0018	6435580	1303180	8-65	4	305	19,220	3.63	698	337	14,360	3.64	522	5-71		35	793	.01	30	49
34-19-0018	6473946	1303180	9-65	3	305	19,413	3.46	672	415	13,957	3.67	512	7-71		34	824	-.02	26	46
34-19-0018	6592671	1303180	3-66	4	305	17,698	3.93	696	389	13,995	3.67	514	12-71		35	625	.06	31	44
34-19-0018	6709907	1303180	9-66	3	305	20,747	3.65	757	435	14,103	3.67	517	2-71		34	983	.01	37	60
34-19-0018	6825755	1406271	1-67	3	305	18,650	3.60	671	418	14,527	3.65	530	4-71		42	847	.03	35	54
34-19-0018	6898597	1303180	6-67	2	305	19,685	3.81	750	477	14,585	3.68	536	5-71		31	715	.03	31	47
34-19-0018	7045824	1236789	1-68	1	305	19,720	3.84	757	593	14,370	3.70	531	6-71		35	756	.02	30	48
34-19-0018	7045834	1406271	4-67	3	303	15,610	4.03	629	501	13,740	3.70	509	7-71		42	578	.07	32	44
34-19-0018	7158859	1303180	7-68	1	305	19,430	4.33	842	472	14,810	3.67	543	4-71		26	529	.09	32	42
34-19-0018	7306730	1489552	1-68	1	305	22,880	3.64	833	526	14,890	3.67	546	4-71		24	748	-.01	26	44
34-19-0018	7527973	1505143	8-69	1	305	20,230	3.85	779	492	14,160	3.75	531	10-71		24	640	.04	29	43
34-19-0018	7628842	1450228	2-70	1	305	19,470	3.57	695	239	14,630	3.68	538	4-72		35	951	-.03	29	53
34-19-0025	5931323	1332867	8-63	6	304	19,640	3.49	685	7	15,388	3.61	556	2-72		36	820	-.03	25	45
34-19-0025	7009678	1308091	11-67	2	305	23,640	3.48	822	12	15,735	3.52	554	7-71		40	947	-.04	28	52
34-19-0081	5961867	1237057	9-63	6	305	19,388	3.33	646	16	15,163	3.44	521	5-71		44	815	-.06	21	42
34-19-0083	6293141	1434350	3-65	4	305	22,813	3.44	784	23	17,725	3.48	617	6-71		30	624	-.02	27	47
34-19-0083	6807834	1470512	8-66	3	290	22,396	3.25	728	20	17,713	3.23	573	3-71		39	1,011	-.04	31	56
34-19-0083	7085861	1499193	11-67	2	305	24,520	3.23	792	22	18,870	3.28	618	3-71		29	783	-.03	23	43
34-19-0083	7298758	1447414	4-69	1	305	21,500	3.46	743	21	16,980	3.30	561	5-71		35	971	-.02	32	56
34-19-0083	7298762	1533155	11-68	2	305	23,315	3.48	812	22	17,690	3.43	606	12-71		25	754	.01	28	46
34-19-0083	7601447	1447414	6-69	1	291	19,600	3.68	721	15	16,410	3.54	581	6-71		35	866	-.01	29	50
34-19-0107	6494220	1222994	5-65	3	305	21,893	3.43	750	13	15,873	3.70	588	12-71		42	974	-.03	30	54
34-19-0126	6304620	1434166	1-65	5	286	19,590	4.05	793	9	16,574	3.64	603	1-71		35	598	.12	39	50
34-19-0126	6980441	1330987	8-67	2	305	22,330	3.48	778	25	16,885	3.61	610	7-71		40	877	.02	34	54
34-19-0126	7005638	1330987	9-67	3	305	24,593	3.76	925	14	17,947	3.69	662	4-72		42	1,094	.05	47	72
34-19-0156	7631243	1391688	10-68	1	305	23,460	3.81	893	23	16,410	3.88	636	10-71		35	924	-.05	26	49
34-19-0189	6899431	1290182	8-66	4	305	21,370	3.49	746	6	14,383	4.03	580	4-72		44	901	-.06	24	47
34-22-0001	6500634	1441692	4-66	3	305	16,756	4.00	670	11	12,216	3.98	486	5-71		33	652	.05	31	45
34-23-0015	6810400	1239242	7-66	3	305	24,750	3.35	828	9	14,390	3.55	511	4-71		42	1,346	-.05	41	74
34-23-0073	6838712	1330987	4-67	2	305	20,665	3.42	707	24	14,940	3.69	551	3-71		40	885	.00	32	53
34-23-0073	6968374	1417208	6-67	1	305	21,110	3.61	763	30	16,500	3.65	602	5-71		36	770	.01	29	47
34-23-0073	6968375	1417208	8-67	2	305	19,845	3.84	763	33	15,325	3.65	560	4-71		40	854	.03	36	55
34-23-0096	5381190	1360771	2-61	7	296	19,155	3.87	741	46	15,588	3.43	534	8-70		39	556	.09	34	45
34-23-0096	7133840	1435690	9-68	1	305	23,610	4.08	964	58	17,220	3.61	622	8-71		36	500	.13	37	45
34-23-0154	6804508	1463169	1-67	2	305	20,240	3.40	689	8	14,610	3.49	510	6-71		38	778	-.03	24	43
34-23-0154	7526562	1427381	8-69	1	305	20,090	3.58	719	7	16,820	3.59	604	5-71		36	1,029	.04	43	66
34-23-0593	6763805	1336050	11-66	3	305	16,070	3.65	587	10	13,313	3.54	471	6-71		42	724	.01	28	45
34-25-0001	5903022	1267271	9-63	5	303	19,352	3.30	639	21	14,786	3.63	536	9-71		44	857	-.08	19	42
34-25-0001	6661318	1336050	11-66	4	301	18,230	3.32	606	10	15,133	3.54	535	4-72		44	801	-.03	24	44
34-25-0003	7113096	1399654	6-68	2	305	17,280	3.39	586	13	10,935	3.58	392	10-71		40	850	.04	36	55
34-25-0035	7085131	1336050	2-68	2	305	17,810	3.59	639	11	13,515	3.60	487	8-71		40	861	.00	31	52
34-25-0049	7270625	1427381	11-68	1	305	18,010	3.65	658	6	15,770	3.59	566	4-71	B	36	944	.05	41	62
34-25-0059	6295488	1441200	4-64	5	305	18,616	3.67	683	33	15,490	3.62	561	12-70		36	731	.00	26	43
34-25-0059	6422596	1441200	6-65	5	304	18,340	3.87	710	39	15,158	3.67	556	10-71		36	734	.02	30	47
34-25-0059	6664660	1441200	7-66	3	305	19,553	3.38	660	30	14,763	3.68	544	1-72		33	904	-.06	23	46
34-25-0059	6740614	1261857	1-67	3	305	17,987	3.78	680	42	15,477	3.66	566	10-71		42	692	.07	36	[illegible]
34-25-0059	6992527	1261857	10-67	2	305	19,345	3.70	716	26	15,845	3.55	563	3-71		40	775	.07	39	55
34-25-0059	7380366	1387978	4-68	2	305	18,300	3.48	636	41	14,935	3.66	547	12-71		40	751	-.03	23	42
34-25-0059	7920069	1447414	12-69	1	305	17,120	3.62	620	34	14,530	3.72	540	1-72		35	806	-.03	24	44
34-25-0074	7257619	1427381	12-68	1	305	17,570	3.92	689	6	16,020	3.64	583	7-71		36	895	.06	42	62
34-25-0074	7467255	1427381	10-69	1	305	20,200	3.73	753	8	16,600	3.86	640	12-71		36	1,052	.03	43	67
34-25-0084	6220989	1268294	10-64	6	302	18,185	3.40	618	42	13,180	3.51	463	12-71		44	851	-.04	24	45
34-25-0084	7017943	1495240	1-68	2	305	19,490	3.67	716	64	13,550	3.59	486	9-71		25	741	.02	29	46
34-25-0084	7206292	1427381	9-68	2	305	18,585	3.68	684	52	13,695	3.61	495	10-71		40	1,210	.05	51	78
34-25-0084	7206293	1427381	11-68	1	305	18,340	3.39	621	69	13,960	3.49	487	6-71		36	1,090	.03	44	69
34-25-0084	7399040	1345461	9-69	1	305	21,590	3.77	813	28	14,490	3.45	500	3-72		35	771	.04	34	51
34-25-0097	6920613	1336050	1-66	3	305	19,143	3.07	588	18	15,717	3.44	540	12-71		42	829	-.06	21	42
34-25-0097	7600043	1427381	2-70	1	284	20,140	3.57	720	13	16,280	3.43	559	3-72		36	1,069	.05	46	[illegible]
34-25-0117	6787583	1469616	10-65	4	305	17,893	4.32	773	33	13,105	3.77	494	12-71		33	672	.12	43	56
34-25-0117	7105095	1336050	10-67	2	296	16,675	4.03	672	28	13,155	3.69	486	10-71		40	778	.04	34	51
34-25-0117	7105100	1399654	12-67	2	265	16,785	3.89	653	30	12,785	3.69	472	11-71		40	629	.09	36	49
34-25-0199	6467536	1445126	9-65	4	271	20,798	3.44	715	13	14,443	3.57	516	9-71	B	30	967	-.03	31	55
34-25-0199	6467539	1445126	10-65	3	272	20,953	3.31	694	9	14,027	3.61	506	8-71	B	29	982	-.05	27	52
34-29-0018	6033082	1267271	10-63	2	305	21,490	3.87	832	5	14,970	3.71	556	5-71		40	950	.00	34	57
34-29-0036	4848587	010257046	6-59	9	302	20,793	3.42	711	34	14,791	3.67	543	1-71		36	1,191	-.05	35	65
34-29-0036	6778798	1383004	11-66	3	305	20,863	3.77	787	62	15,256	3.78	577	11-71		42	616	.11	38	50
34-29-0112	6542683	1426616	9-65	5	305	16,780	4.00	671	9	14,532	3.59	522	4-72		42	654	.06	32	46
34-29-0133	6648592	1479823	8-66	4	291	23,000	3.93	904	23	16,330	3.59	586	11-71		42	907	.08	45	64
34-29-0133	7306067	1447141	11-68	2	305	21,540	3.87	833	21	17,070	3.67	626	11-71		40	709	.08	38	53
34-30-0004	5083581	1308101	4-60	8	301	21,346	3.94	842	12	16,498	3.76	620	9-70		44	1,191	.02	46	74
34-30-0004	5192496	1308101	9-60	10	302	20,315	3.92	796	22	16,857	3.71	626	12-71		44	1,016	.02	40	64
34-30-0004	5681879	1308101	11-62	7	303	22,608	3.41	770	27	16,351	3.68	601	12-71		44	1,371	-.07	39	74
34-30-0004	6759144	1308101	10-66	3	304	19,826	3.39	673	33	16,783	3.58	600	10-70		42	936	-.05	26	50
34-30-0004	7461438	1427381	8-69	1	305	18,600	3.23	600	18	17,030	3.47	591	8-71		36	904	.02	35	56
34-30-0004	7527422	1427381	10-69	1	305	23,960	3.59	859	40	19,170	3.55	680	11-71		36	1,160	.04	48	75
34-30-0048	5595423	1347317	1-62	7	301	20,099	3.96	795	20	16,389	3.62	593	3-71		34	667	.09	37	51
34-30-0048	5815536	1390540	9-62	7	305	19,052	3.85	733	30	15,897	3.64	578	12-70		38	508	.11	34	43
34-30-0048	6673960	1330987	8-66	4	304	20,128	3.64	732	23	15,148	3.70	560	9-71		44	906	.03	37	58
34-30-0119	6184490	1406515	8-64	3	302	21,837	3.82	835	12	16,797	3.46	581	2-71		29	753	.07	37	53
34-30-0119	7239172	1407817	11-68	2	305	21,435	3.95	847	16	15,860	3.66	580	12-71		40	598	.06	31	44
34-30-0119	7513941	1406271	1-70	1	305	22,680	3.78	858	6	17,950	3.44	618	4-72		36	787	.07	39	56
34-30-0163	7330762	1447141	3-69	1	302	19,540	4.43	866	29	16,010	3.71	594	10-71		36	518	.13	38	47
34-30-0174	7583053	1408640	10-69	1	305	23,080	3.27	755	33	16,090	3.24	521	12-71		35	755	-.01	26	44

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C O	REPT (%)	.......C O W MILK (LB)	I N D E X....... FAT (%)	FAT (LB)	DOL-LARS
34-30-0196	6751828	1406271	12-66	3	304	17,420	3.74	652	16	15,363	3.46	531	2-71		42	618	.06	32	$ 45
34-30-0202	6145784	1313490	9-64	5	300	20,546	3.35	689	12	14,918	3.71	554	2-71		44	925	-.08	21	45
34-30-0336	7623059	1458744	8-68	1	305	19,060	3.46	660	49	14,630	3.26	477	11-71		36	811	.00	30	49
34-30-0748	7084735	1464419	3-68	2	305	21,375	3.50	749	17	15,630	3.58	560	11-71		31	834	-.03	25	46
34-30-0748	7314058	1330987	9-67	3	305	21,150	3.18	672	27	15,090	3.58	540	12-71		42	994	-.03	31	56
34-30-0783	5455875	1344455	10-61	5	300	18,336	3.72	683	30	15,602	3.61	564	3-71		37	639	.04	29	43
34-30-0783	5794975	1344455	2-63	6	283	18,851	3.76	709	13	14,863	3.63	540	2-72		37	811	.04	36	54
34-30-0783	7104638	1426616	10-66	2	305	20,185	3.94	795	17	14,495	3.71	538	4-71		38	982	.03	40	63
34-32-0019	6496490	1458917	2-66	2	305	20,335	3.98	810	30	15,435	3.39	523	7-71		39	465	.12	35	43
34-32-0019	6496494	1336050	12-65	4	305	19,888	3.33	663	24	16,423	3.56	584	1-72		44	863	-.04	25	47
34-32-0019	7213963	1500609	9-68	2	304	21,995	3.40	748	38	16,605	3.52	584	10-71		37	916	-.05	25	48
34-32-0021	6981585	1336050	4-67	3	294	18,977	3.55	674	10	14,570	3.65	532	12-71		42	928	-.01	32	54
34-32-0057	6405287	1267271	7-65	5	304	18,050	3.50	632	11	13,144	3.42	449	4-72		44	880	-.02	28	50
34-32-0057	6478527	1441471	10-65	4	305	19,267	4.04	779	18	13,640	3.51	479	10-71		41	744	.07	38	54
34-32-0057	7110146	1336050	3-68	2	305	18,415	3.40	626	17	14,745	3.60	531	12-71		40	810	-.02	26	46
34-32-0067	6564247	1336050	12-65	4	305	18,318	3.49	639	18	14,135	3.70	523	12-71		44	923	-.03	29	52
34-32-0067	6598418	1336050	7-66	3	299	17,080	3.48	594	29	14,230	3.65	519	7-71		42	745	-.02	24	42
34-32-0088	5744212	1125465	11-61	8	300	18,411	3.66	674	18	14,833	3.53	523	1-72		44	683	.05	32	47
34-32-0088	5994249	1267271	11-62	6	300	18,898	3.22	609	27	13,817	3.49	482	6-71		44	911	-.08	21	45
34-32-0088	7002093	1336050	9-67	1	305	20,160	3.57	720	16	16,950	3.60	611	12-71		36	720	.00	26	43
34-32-0092	7298772	1458744	11-68	2	305	21,950	3.86	847	16	16,695	3.59	600	1-72		40	1,006	.03	41	64
34-32-0092	7306143	1360201	7-63	3	305	21,376	3.69	789	19	15,610	3.54	553	1-72		38	817	.02	33	52
34-32-0102	6737880	1406271	9-66	3	305	21,950	3.34	733	14	18,707	3.49	652	4-71		42	793	.00	29	48
34-32-0102	7073960	1413165	1-68	2	305	25,805	3.03	781	16	18,400	3.48	641	6-71		40	1,124	-.16	15	46
34-32-0102	7285810	1427381	7-68	2	305	20,965	3.60	755	12	18,255	3.57	652	3-72		40	1,035	.04	44	67
34-32-0102	7496210	1525496	8-69	1	305	29,630	2.98	883	11	18,820	3.65	686	1-72		19	1,069	-.11	21	50
34-32-0104	7527091	1447141	2-69	2	305	19,865	4.15	825	13	16,345	3.51	573	3-72		40	605	.13	42	53
34-32-0272	5161577	1325241	9-60	9	299	19,560	3.38	662	9	14,864	3.37	501	5-71		36	1,002	-.03	32	57
34-32-0303	7448624	1347940	7-69	1	305	18,110	3.51	636	9	15,480	3.60	557	12-71		36	722	-.01	25	42
34-32-0303	7448625	1347940	6-69	1	305	17,590	3.46	609	12	13,810	3.29	454	8-71		36	796	.01	30	49
34-33-0002	5285885	956714	11-60	6	305	26,318	3.24	854	31	17,028	3.41	581	6-71		44	1,026	.01	38	62
34-33-0002	6738103	1465248	11-66	3	304	22,526	3.19	719	44	17,243	3.43	591	5-71		32	991	-.08	24	50
34-33-0002	6863664	1485009	3-67	3	304	23,103	3.39	784	43	17,333	3.49	605	2-72		32	1,040	-.04	32	58
34-33-0002	7006557	1261857	2-68	2	302	20,560	3.57	733	44	16,835	3.47	584	1-72		40	808	.06	39	56
34-33-0011	7039845	1336050	10-67	1	305	17,830	4.19	747	23	13,810	3.64	503	2-71		36	757	.05	35	52
34-33-0019	6451998	1336050	10-65	4	301	18,275	3.44	629	43	14,575	3.62	528	3-71		44	869	-.03	27	48
34-33-0019	6739318	1225575	10-66	3	305	20,053	3.64	729	32	14,513	3.67	532	8-71		42	759	.01	29	47
34-33-0027	7272915	1427381	1-69	1	305	16,200	3.33	540	48	14,410	3.65	526	8-71		36	901	.02	35	56
34-33-0027	7345485	1427381	6-69	1	305	16,410	3.60	590	47	14,500	3.68	534	11-71		36	910	.03	38	59
34-33-0040	6759694	1477633	1-67	3	305	18,946	3.74	708	48	13,550	3.85	521	10-71		32	861	.00	31	52
34-33-0040	6856929	1477633	6-67	3	305	18,626	3.56	663	48	13,706	3.85	527	11-71		32	799	-.03	24	44
34-33-0040	7224597	1447141	12-68	2	305	19,325	3.63	701	72	14,245	3.80	542	9-71		40	742	.03	32	49
34-33-0040	7254071	1477633	7-68	2	305	20,085	3.41	684	52	13,735	3.82	525	10-71		29	901	-.06	24	47
34-33-0047	7392439	1447141	9-69	1	305	20,840	3.80	791	30	15,970	3.86	616	10-71		36	617	.06	31	44
34-33-0057	6393705	1330987	10-65	4	305	21,503	3.58	770	21	16,885	3.81	643	1-71		44	883	.00	32	53
34-33-0057	6669362	1330987	9-66	3	305	20,127	3.68	741	10	17,313	3.73	646	12-71		42	646	.03	28	43
34-33-0057	6991983	1417208	9-67	2	305	20,990	3.90	819	19	18,370	3.80	698	6-71		40	693	.03	29	45
34-33-0057	6991995	1261857	1-68	2	305	21,985	3.83	842	19	18,525	3.82	708	7-71		40	798	.06	38	55
34-33-0057	6991996	1360676	2-68	2	305	21,850	3.69	806	18	18,125	3.82	692	6-71		39	843	.00	31	51
34-33-0057	7363741	1447141	2-69	1	305	24,280	3.72	904	19	19,500	3.81	743	6-71		36	637	.05	30	44
34-33-0068	5567364	1144034	11-61	7	305	19,897	3.68	732	14	16,301	3.48	567	3-71		44	590	.06	30	42
34-33-0074	7496658	1447141	10-69	1	305	20,390	3.77	768	33	15,540	3.90	606	10-71		36	613	.05	30	43
34-33-0121	6766632	1406271	3-66	3	305	19,073	3.77	720	15	14,090	3.68	518	7-71		42	940	.05	42	63
34-33-0121	6941151	1451164	11-66	4	302	20,500	3.59	736	18	13,875	3.69	512	8-71		33	1,008	-.01	35	59
34-33-0121	7455945	1501891	11-69	1	305	24,230	3.59	869	12	16,210	3.70	599	12-71		23	705	.00	25	42
34-33-0125	6421656	1329588	2-64	4	305	18,300	3.78	691	40	14,258	3.64	519	10-71		44	693	.01	27	43
34-33-0125	6519418	1406271	10-65	5	305	16,368	3.93	643	49	14,130	3.69	522	11-71		44	643	.07	33	47
34-33-0160	6666971	1261857	6-66	4	305	18,940	3.92	742	40	14,603	3.81	556	12-71		44	920	.08	45	65
34-33-0160	7482845	1471195	3-69	1	305	21,890	4.01	878	40	14,850	3.92	582	4-71		29	707	.03	30	46
34-33-0160	7482849	1526192	3-69	1	305	19,340	4.33	838	35	14,280	4.02	574	5-71		22	614	.05	30	43
34-33-0160	7482862	1261857	7-69	1	301	22,240	3.84	853	50	14,360	3.96	569	9-71		36	1,018	.06	46	69
34-33-0175	5427390	1319457	10-61	3	305	20,327	3.53	717	23	15,727	3.67	577	3-71		34	908	-.04	26	49
34-33-0175	6614064	1406271	6-66	3	300	18,510	3.96	733	22	15,633	3.57	558	6-71		42	716	.09	39	54
34-33-0175	6669689	1406271	8-66	3	305	18,213	3.51	639	17	15,057	3.56	536	12-71		42	741	.02	30	47
34-33-0175	6736641	1406271	8-66	4	305	19,218	3.37	647	17	15,243	3.50	533	8-71		44	864	.01	32	52
34-33-0175	7273211	1447141	3-69	1	305	19,860	3.62	718	22	15,760	3.47	547	7-71		36	558	.07	30	42
34-33-0225	7409635	1345461	12-68	1	305	24,700	3.71	917	59	16,610	3.46	575	6-71		35	863	.03	36	56
34-33-0225	7497005	1406271	8-69	1	305	18,740	4.05	759	31	16,450	3.53	580	11-71		36	594	.08	34	46
34-33-0232	6765555	1261857	10-66	3	305	15,697	3.87	608	8	13,687	3.65	499	5-71		42	614	.09	35	47
34-33-0251	5825944	1148993	9-62	6	305	18,877	3.73	704	10	14,225	4.02	572	10-71		43	792	-.01	27	46
34-33-0251	6089123	1148993	12-63	4	305	18,383	4.43	815	10	15,243	3.88	591	1-71		42	592	.11	38	49
34-33-0331	6371052	1492073	4-61	3	305	22,220	3.52	783	21	15,853	3.67	582	2-71		42	830	-.04	24	45
34-33-0906	5105637	1327718	1-60	9	301	18,896	3.91	738	16	14,273	3.53	504	2-71		35	660	.10	39	52
34-33-0906	6601411	1406271	1-66	5	297	17,622	3.77	665	12	15,838	3.66	580	12-71		44	606	.05	30	43
34-33-0906	6941145	1482114	9-66	2	305	22,215	3.61	802	11	17,295	3.64	630	11-71		35	702	.00	25	42
34-34-0046	6749280	1336050	11-66	3	305	17,720	3.43	607	16	14,577	3.44	501	4-71		42	783	-.01	27	46
34-34-0056	6644778	1330987	7-66	4	305	19,965	3.86	771	21	17,978	3.49	628	2-72		44	571	.09	34	45
34-34-0126	7315449	1347940	4-69	1	305	17,960	3.61	649	25	13,960	3.88	541	8-71		36	813	-.02	27	47
34-34-0152	7080716	1496960	2-68	2	305	20,970	3.83	803	25	16,300	3.51	572	2-71		25	615	.05	30	43
34-34-0581	6178363	1434538	9-64	5	298	17,536	3.38	593	22	12,586	3.73	470	10-71		36	911	-.06	24	47
34-35-0003	6719255	1336050	10-66	3	301	17,137	3.77	646	22	15,160	3.63	550	6-71		42	655	.02	27	42
34-35-0003	7494845	1447141	12-69	1	305	21,440	4.20	900	19	17,360	3.73	648	2-72		36	569	.11	37	48
34-37-0004	5619654	1366074	3-62	8	303	18,900	3.80	719	18	15,618	3.65	570	5-71		36	629	.04	29	43
34-37-0004	7435141	1427381	10-69	1	305	20,170	3.59	724	16	16,830	3.57	600	12-71		36	1,034	.04	44	67
34-37-0018	6268455	1444563	9-64	5	305	20,526	3.61	740	31	15,280	3.63	554	5-71		32	846	.00	30	50

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C D	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
34-37-0018	7281602	1447141	9-68	1	204	21,250	3.74	794	32	15,470	3.61	559	9-70	B	36	681	.07	35	$ 49
34-37-0062	5947149	1087974	10-62	6	305	19,795	3.72	736	15	15,793	3.58	566	1-71		44	852	.02	34	54
34-37-0216	7301402	1330987	2-69	1	305	17,310	3.50	605	5	12,610	3.64	459	4-71		36	655	.02	27	42
34-38-0076	6055900	1391327	4-64	5	291	17,552	3.92	688	94	13,282	3.62	481	2-71		36	640	.07	34	47
34-38-0076	6453512	1365400	1-66	4	301	17,942	3.26	585	74	12,242	3.57	437	12-71		37	936	-.08	21	46
34-38-0076	7501583	1500609	1-70	1	305	16,770	3.60	604	92	10,660	3.58	382	3-72		33	794	-.03	24	44
34-38-0101	6664392	1336050	1-66	3	295	15,497	3.87	599	33	13,037	3.84	501	10-71		42	687	.01	26	42
34-38-0213	6153344	67271	8-64	2	305	21,675	3.34	724	30	14,510	3.50	508	10-71		40	1,011	-.05	28	54
34-38-0213	6431592	1292185	10-65	3	305	21,710	3.34	726	30	13,807	3.45	476	7-71		42	943	-.03	29	52
34-38-0213	7002275	1330248	7-67	2	305	21,850	3.00	655	44	14,135	3.63	513	12-70		30	1,002	-.11	19	46
34-39-0014	7356480	1347940	3-69	1	305	18,120	3.69	668	22	15,280	3.47	530	7-71		36	736	.02	29	46
34-39-0014	7417109	1521261	8-69	1	305	23,060	3.57	824	28	15,290	3.51	536	8-71		26	832	.00	30	50
34-41-0043	6305493	1244845	3-65	5	305	21,596	3.27	707	17	15,300	3.88	593	10-71		44	1,020	-.12	19	46
34-41-0068	6612254	1336050	5-66	4	305	19,785	3.36	665	51	16,053	3.68	590	11-71		44	891	-.05	25	47
34-41-0068	7179785	1393854	5-68	2	305	19,845	4.28	849	66	16,490	3.52	581	1-72		40	445	.20	45	50
34-41-0068	7270843	1447141	12-68	1	305	18,560	4.18	776	51	15,190	3.54	538	8-71		36	500	.11	35	44
34-41-0079	5203250	1232296	8-60	9	305	19,848	3.57	708	40	14,951	3.77	564	12-71		44	941	.03	39	60
34-41-0079	5950335	1267271	10-63	5	305	19,452	4.12	801	32	15,952	3.79	605	10-71		44	735	.04	32	49
34-41-0079	6262046	1427323	10-64	5	305	21,486	3.72	800	35	15,372	3.77	580	10-71		35	978	.01	37	60
34-41-0079	6937069	1336050	9-67	2	305	20,140	3.53	711	21	16,505	3.75	619	2-71		40	824	-.02	26	46
34-41-0079	6974342	1410117	7-67	3	305	21,923	3.49	765	42	15,667	3.80	595	11-71		42	730	-.02	24	42
34-41-0079	7266942	1517335	10-68	2	305	22,560	3.44	777	11	16,145	3.83	619	4-72		28	932	-.07	23	47
34-41-0171	6691014	1336050	10-66	3	305	18,753	3.60	675	8	16,033	3.67	588	2-72		42	751	-.01	26	44
34-41-0181	7212262	1336050	6-68	2	297	18,915	3.72	703	8	16,065	3.75	603	10-71		40	740	.00	27	45
34-41-0196	7321813	1447141	10-68	2	305	22,310	3.56	795	21	18,810	3.57	672	12-71		40	628	.05	30	44
34-41-0208	5852076	1377876	5-63	5	305	19,106	4.11	786	19	15,232	3.66	558	1-71		36	566	.10	35	46
34-41-0208	6321819	1421015	6-64	3	305	22,030	3.83	844	17	15,936	3.66	584	11-71		32	873	.05	39	58
34-41-0208	7544305	010275932	3-68	2	305	22,750	4.04	919	25	14,235	3.66	521	8-71		40	986	.08	48	69
34-44-0017	7103824	1261857	4-67	2	258	20,795	3.29	685	10	17,700	3.42	606	2-71	8	40	752	.03	32	49
34-44-0017	7103830	1261857	2-68	2	210	21,475	3.85	826	7	17,620	3.28	578	3-71	8	40	829	.13	49	65
34-44-0119	5692745	010257174	9-62	4	305	21,182	4.32	915	68	16,830	3.71	625	6-71		41	521	.16	42	50
34-44-0119	5694225	1383004	8-62	5	305	23,842	3.92	934	72	16,744	3.68	617	3-71		44	909	.15	55	73
34-44-0119	6187259	010229512	1-60	4	305	20,443	4.05	828	48	17,303	3.77	652	12-71		43	514	.12	36	45
34-44-0119	6317305	1148993	2-65	4	305	20,225	3.69	746	56	15,473	3.72	575	8-71		42	798	.02	32	50
34-44-0119	6330796	1430145	11-64	5	305	22,560	3.63	820	52	16,752	3.68	616	3-71		39	1,150	.00	42	69
34-44-0119	6830610	010229512	11-61	4	259	19,390	4.06	788	38	14,998	3.59	538	11-71		43	642	.14	44	56
34-44-0119	7076280	010229512	2-63	3	305	24,267	3.30	801	61	16,910	3.65	617	11-71		42	976	.00	35	56
34-44-0119	7167607	010229512	11-62	3	305	23,217	3.83	889	68	16,967	3.70	628	8-71		42	848	.09	44	62
34-44-0119	7395272	010288790	5-67	2	305	20,685	3.69	763	79	16,535	3.63	601	10-70		38	715	.07	36	51
34-44-0119	7395275	010288790	1-66	2	305	19,705	3.79	747	75	16,985	3.65	620	10-70		38	569	.08	33	44
34-44-0119	7408610	010288790	3-67	2	305	21,950	3.65	802	75	16,985	3.65	620	10-70		38	805	.07	39	56
34-44-0119	7410484	010229512	6-62	2	305	23,185	3.86	896	41	17,495	3.64	636	12-71		40	705	.10	41	55
34-44-0119	7547218	010288790	6-66	2	305	22,730	3.75	853	47	17,330	3.62	628	10-71		38	855	.08	43	61
34-44-0190	6831126	1477353	7-66	3	305	21,723	3.59	779	17	17,283	3.47	600	8-71		29	674	.02	27	43
34-44-0190	6881211	1393854	8-67	3	305	21,997	3.64	801	17	17,080	3.51	600	11-71		42	683	.11	41	5[illegible]
34-44-0190	6912826	1484904	8-67	3	305	22,640	3.37	762	16	16,810	3.54	595	10-71		38	1,039	-.07	26	53
34-44-0190	7142594	1458744	9-68	1	305	21,690	3.61	782	26	17,730	3.56	632	1-71		36	799	-.01	28	47
34-44-0234	6846333	1407817	5-67	3	300	22,570	3.48	786	9	16,666	3.43	572	8-71		42	722	.02	29	46
34-44-0270	7819311	1320310	5-69	1	305	19,840	3.06	608	11	14,620	3.59	525	9-71		36	964	-.09	22	48
34-44-0284	6528671	1336050	1-66	4	305	24,780	3.35	829	8	15,853	3.56	564	11-71		44	1,530	-.05	48	8
34-44-0284	7073858	1347940	2-68	1	305	19,580	3.79	743	6	16,010	3.63	581	12-71		36	796	.02	31	5[illegible]
34-44-0860	7139107	1290182	9-67	2	305	31,845	2.70	860	8	20,145	3.28	660	1-72		40	1,286	-.14	24	59
34-46-0005	6397154	1330987	12-64	4	304	17,273	3.69	638	32	14,270	3.46	494	2-71		44	651	.06	32	46
34-46-0066	6813268	1402662	6-65	5	301	18,868	3.25	613	7	13,134	3.49	458	8-71		37	967	-.08	23	48
34-46-0072	6094065	1267271	1-64	6	303	17,180	4.24	728	14	14,027	3.79	531	9-71		44	665	.05	31	46
34-46-0085	6261129	1450332	11-64	4	305	18,375	3.85	708	22	14,793	3.43	507	11-71		30	551	.07	31	42
34-46-0086	7475759	1347940	8-69	1	305	18,230	3.64	664	18	16,250	3.50	568	1-72		36	680	.01	25	42
34-46-0108	6476800	1244009	9-65	4	303	18,033	3.00	541	17	13,063	3.44	450	6-71	B	44	993	-.10	20	46
34-46-0111	7037050	1360676	10-67	3	276	17,100	3.36	575	6	13,663	3.56	487	10-71		41	797	-.02	26	45
34-46-0132	6259977	1303180	10-64	5	302	19,864	3.46	688	26	14,768	3.50	517	3-72		36	860	-.01	30	51
34-46-0132	7277301	1458744	10-68	1	305	18,090	3.63	656	50	14,320	3.58	513	8-71		36	759	.00	27	45
34-46-0132	7325035	1516004	3-69	1	305	18,830	3.86	727	41	14,350	3.68	528	10-71		25	692	.01	27	43
34-46-0132	7325036	1516004	3-69	1	305	24,650	3.03	747	40	15,210	3.62	550	11-71		25	1,136	-.09	27	57
34-46-0132	7479513	1458744	10-69	1	305	19,910	3.57	711	45	16,750	3.58	599	1-72		36	732	-.01	25	43
34-46-0133	4950957	1029659	9-59	7	297	16,690	4.40	734	24	14,097	3.66	516	2-72		44	597	.11	38	49
34-46-0133	5510958	1189870	1-62	2	305	20,815	4.08	849	27	14,940	3.49	521	8-71		40	814	.08	42	59
34-46-0133	6501384	1406515	9-64	4	305	19,253	3.97	764	28	15,115	3.52	532	5-71		30	640	.09	36	49
34-46-0133	6528883	1347940	11-65	4	257	21,052	4.27	899	26	17,347	3.87	672	4-71		44	954	.08	46	67
34-46-0133	6741617	1261857	7-66	1	305	20,620	3.44	710	45	15,930	3.63	578	4-71		36	792	.04	35	53
34-46-0133	7468445	1427615	12-69	1	305	21,710	3.45	749	50	14,810	3.54	524	2-72		36	1,006	-.10	21	48
34-46-0190	7250380	1386406	1-69	1	305	21,450	3.65	783	18	15,720	3.47	546	3-71		36	696	.03	30	46
34-46-0190	7251103	1347940	1-69	1	305	20,770	3.70	768	17	15,820	3.39	537	2-71		36	898	.02	36	57
34-46-0190	7394238	010299972	3-68	2	299	18,150	3.82	693	28	13,055	3.49	455	1-72		34	787	.03	33	51
34-46-0190	7399370	010294108	3-68	2	287	20,355	3.32	676	24	14,210	3.50	497	12-71		25	775	-.03	23	42
34-46-0231	5633591	1258981	10-61	7	302	15,497	3.41	529	26	11,830	3.52	417	11-71		44	722	.00	26	43
34-46-0231	6858923	1434768	7-65	4	300	16,905	3.67	620	28	11,647	3.53	411	11-71		33	752	.03	31	48
34-46-0459	6063091	1390540	12-63	4	305	17,502	4.47	782	9	14,802	3.68	544	12-71		37	409	.20	44	48
34-46-0459	7111543	1261857	5-68	2	295	17,660	3.95	697	15	15,145	3.80	576	1-72		40	668	.08	36	50
34-46-0487	6623707	1336050	6-66	3	304	22,710	3.36	762.	19	16,810	3.44	579	8-71		42	1,126	-.02	37	64
34-46-0620	5519331	1368083	12-61	5	305	18,974	3.95	749	23	14,726	3.43	505	9-71		34	677	.13	44	57
34-47-0014	5396717	1232296	11-60	8	298	16,800	3.41	573	16	13,859	3.64	504	5-71		44	675	.03	29	44
34-47-0055	6690524	1330987	12-66	3	305	18,000	3.95	711	6	15,097	3.74	564	4-71		42	631	.07	33	46
34-47-0055	7195098	1458744	3-68	2	305	19,035	3.38	644	30	15,640	3.59	561	10-71		40	807	-.03	24	44
34-47-0071	6015952	1400256	1-64	6	295	18,470	3.78	699	6	13,833	3.67	508	4-71		36	879	.01	33	54
34-47-0135	6275788	1400256	11-64	5	301	19,678	3.60	708	8	15,986	3.62	579	12-71		36	770	-.02	25	44

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C O	REPT (%)	.......C O W MILK (LB)	I N D E X....... FAT (%)	FAT (LB)	DOL-LARS
34-47-0135	6990420	1458744	10-67	1	305	21,220	3.84	815	7	17,330	3.30	572	4-71		36	790	.04	35	$ 53
34-47-0658	6568325	1428146	3-66	2	305	19,460	3.49	680	11	13,610	3.56	484	12-71		32	793	-.04	22	42
34-47-0658	7394017	1458744	7-69	1	305	16,900	3.97	671	5	12,480	3.68	459	12-71		36	794	.02	32	50
34-49-0004	6344409	1330987	10-63	7	300	17,401	3.74	650	23	14,699	3.64	535	12-71		44	631	.05	30	44
34-49-0004	7446545	1447141	6-69	1	302	20,780	3.73	775	16	16,250	3.66	594	12-71		36	594	.06	31	43
34-49-0006	6892114	1482736	8-67	3	305	21,373	3.27	698	7	14,540	3.67	533	11-71		32	1,090	-.07	28	56
34-49-0006	7358132	1482736	11-68	2	305	19,730	3.73	735	5	15,495	3.64	564	12-71		29	588	.01	26	42
34-52-0001	6879434	1467785	5-67	3	305	19,853	3.71	737	10	14,710	3.74	550	1-72		32	762	.00	28	46
34-53-0010	7445244	1347940	7-69	1	305	20,970	3.63	762	32	15,870	4.22	670	10-71		36	909	-.04	27	50
34-53-0030	6521444	1290182	11-65	4	303	21,330	3.66	781	20	15,798	3.72	588	7-71		44	738	.00	27	45
34-53-0052	5801936	1237057	1-63	7	305	18,386	3.58	659	21	13,783	3.66	505	10-71		44	846	-.04	24	45
34-53-0052	6935864	1407817	7-67	3	285	21,126	3.51	741	24	14,530	3.61	525	1-72		42	777	.00	28	47
34-54-0006	6511537	1412376	4-64	6	305	20,500	4.06	832	11	16,316	3.55	579	5-71		35	702	.10	40	54
34-54-0015	6697192	1336050	7-66	2	305	23,800	3.25	774	9	16,255	3.70	601	7-71		40	1,218	-.06	34	65
34-54-0015	6948615	1336050	5-67	2	305	18,790	3.56	669	5	15,015	3.71	557	5-71		40	823	-.01	28	48
34-54-0015	7107654	1336050	3-68	2	305	20,350	3.98	810	10	16,915	3.75	635	9-71		40	808	.04	35	53
34-54-0015	7372384	1336050	4-69	2	300	20,840	3.61	753	9	17,725	3.65	647	2-72		40	784	.00	28	47
34-54-0066	6905782	1336050	9-66	3	298	19,920	3.15	627	10	15,623	3.35	524	5-71		42	928	-.04	27	50
34-54-0066	6905785	1336050	10-66	3	299	20,643	3.28	677	10	15,993	3.38	541	5-71		42	972	-.03	31	55
34-55-0068	6204987	1408030	8-64	4	305	16,505	4.27	704	11	13,120	3.70	486	7-71		35	613	.13	41	52
34-56-0042	6937748	1336050	10-67	2	305	18,330	3.60	659	45	14,300	3.54	506	9-71		40	842	.00	31	51
34-56-0042	6946114	1336050	7-67	3	305	16,337	3.65	596	27	14,163	3.47	491	1-72		42	667	.02	27	42
34-57-0277	6382641	1098427	8-65	2	304	20,550	3.25	667	9	13,765	3.53	486	1-72		40	787	-.04	22	42
34-58-0035	6507945	1336050	1-66	3	300	17,817	4.07	726	25	15,130	3.50	530	11-71		42	737	.08	38	53
34-58-0072	6669265	1463788	11-65	3	305	23,073	3.38	779	6	17,783	3.58	637	7-71		32	868	-.06	19	42
34-59-0007	7245637	1458744	2-69	1	305	17,750	3.92	695	7	15,580	3.58	558	12-71		36	649	.02	27	42
34-61-0001	7061001	1399654	12-67	1	305	19,840	4.17	827	31	13,300	3.71	494	8-71		35	739	.11	44	58
34-61-0001	7134211	1399654	6-68	2	305	16,720	4.32	723	29	14,705	3.82	561	12-71		40	446	.13	35	42
34-61-0005	5782229	1391225	12-62	6	305	19,052	3.99	760	19	14,927	3.69	551	6-71		32	663	.07	34	46
34-61-0005	6871111	1261857	6-67	2	305	17,855	3.79	677	16	14,735	3.75	553	5-71		40	725	.07	36	51
34-61-0005	7418302	1347940	4-69	1	305	17,530	3.86	676	20	15,300	3.84	587	8-71		36	691	.01	26	42
34-61-0005	7419574	1261857	8-67	3	303	16,840	4.00	673	18	15,103	3.84	580	10-71		42	599	.08	34	46
34-61-0005	7437740	1261857	6-69	1	300	18,560	3.79	703	21	16,260	3.79	617	10-71		36	616	.06	31	44
34-61-0052	7493795	1360676	3-68	1	284	19,870	4.25	845	5	16,280	3.94	641	10-71		35	736	.06	35	52
34-62-0003	6860240	1417208	2-67	2	305	19,055	3.66	697	17	13,435	3.86	519	7-71		40	947	-.01	33	56
34-62-0003	6930251	1417208	10-67	2	305	18,195	3.66	666	11	13,455	3.74	503	3-71		40	858	.01	32	52
34-62-0034	6107924	1267271	2-64	4	304	22,763	3.76	855	8	16,188	3.80	615	6-71		44	1,101	-.02	37	64
34-62-0034	7111550	1261857	1-68	1	305	20,010	3.97	794	13	18,100	3.80	688	6-71		36	601	.08	33	45
34-62-0034	7129690	1399654	8-68	2	301	21,450	4.00	857	12	18,235	3.80	693	2-72		40	605	.09	36	48
34-62-0034	7262470	1261857	3-69	1	305	21,410	3.86	826	17	17,710	3.85	681	7-71		36	731	.06	36	52
34-62-0034	7366640	1427381	1-69	1	305	22,070	3.23	713	18	18,030	3.75	677	10-71		36	1,395	-.01	38	64
34-62-0034	7498350	1427381	5-69	1	305	23,920	3.47	830	18	18,030	3.75	677	10-71		36	1,233	.01	46	75
34-62-0034	7498352	1427381	8-69	1	305	21,250	3.72	791	18	18,030	3.75	677	10-71		36	1,034	.04	44	67
34-62-0034	7536400	1427381	7-69	1	305	27,490	3.83	1053	18	18,260	3.86	705	1-72		36	1,484	.05	61	95
34-62-0034	7536402	1427381	8-69	1	305	21,560	3.95	852	18	18,030	3.75	677	10-71		36	1,057	.06	48	71
34-62-0511	6768085	1261857	3-67	3	305	16,873	3.82	645	15	13,333	3.70	493	12-71		42	786	.08	40	57
34-62-0511	7277562	1427381	9-68	1	305	29,290	3.84	1125	18	14,020	3.78	530	11-71		36	1,902	.06	78	122
34-62-0511	7305904	1347940	4-69	1	305	19,830	3.34	662	18	14,630	3.77	552	11-71		36	907	-.04	27	50
34-62-0511	7414211	1347940	8-69	1	305	16,480	4.82	795	18	14,630	3.77	552	11-71		36	658	.09	37	50
34-62-0511	7414212	1427381	9-69	1	305	18,660	3.93	734	19	14,270	3.70	528	12-71		36	1,093	.06	49	73
34-62-0616	7031375	1413165	8-67	2	305	18,545	3.37	625	34	12,420	3.62	450	10-71		40	933	-.11	17	42
34-62-0642	6802465	1336050	12-66	2	305	17,310	4.46	772	14	15,810	3.88	613	8-71		40	600	.08	33	45
34-63-0016	4779600	1029659	7-58	4	305	22,690	3.98	904	25	16,258	3.66	595	9-71		44	1,087	.06	49	73
34-63-0016	6037610	1399654	3-64	5	305	19,124	3.91	747	17	17,188	3.69	634	7-71		44	510	.10	33	43
34-63-0016	6043838	1038509	12-62	5	305	20,930	3.79	793	18	16,602	3.65	606	8-71		44	799	.03	29	48
34-63-0016	6079122	1421321	1-64	6	303	23,558	3.55	836	20	17,215	3.67	631	5-71		36	1,315	-.04	41	73
34-63-0016	6169936	1399654	7-64	2	305	22,405	3.50	784	19	17,505	3.69	646	7-71		40	769	.03	33	50
34-63-0016	6200204	1175471	4-64	5	305	21,914	3.90	854	21	16,542	3.70	612	7-71		44	833	.08	42	60
34-63-0016	6812105	1441440	3-67	2	236	23,730	3.44	817	9	15,450	3.66	565	11-71		40	1,220	-.01	43	72
34-63-0016	6926129	1441440	5-67	3	302	17,580	3.90	686	48	15,183	3.78	574	9-71		42	641	.05	30	44
34-63-0016	6951034	1471956	11-67	2	300	20,785	3.62	753	24	17,715	3.55	628	11-70		39	748	.00	27	45
34-63-0016	7061003	1087974	1-68	2	305	20,490	4.46	913	23	16,980	3.61	613	2-71		40	724	.12	44	58
34-63-0016	7403319	1399824	3-69	1	305	22,660	4.91	1112	23	18,530	3.75	695	8-71		36	684	.15	48	60
34-63-0033	6787295	1301486	10-66	2	305	23,200	3.36	779	48	15,590	3.39	529	4-71		40	798	-.02	26	45
34-63-0048	7142228	1489802	11-67	2	305	21,090	3.49	735	9	16,670	3.61	602	5-71		34	819	-.03	25	45
34-63-0048	7142235	1360676	3-68	2	305	20,265	3.33	674	11	16,615	3.67	610	6-71		39	820	-.03	25	45
34-63-0073	5444355	1258981	10-61	8	303	16,924	3.57	605	9	12,971	3.62	470	1-71	B	44	774	.01	29	47
34-63-0148	6347241	1199324	2-64	5	305	16,358	3.63	594	17	13,622	3.63	495	8-71		44	773	-.01	26	45
34-63-0148	7838493	1427381	6-69	1	305	21,410	3.71	794	21	15,120	3.56	538	8-71		36	1,241	.05	53	81
34-63-0373	7136615	1330987	7-68	1	305	22,100	3.18	702	21	15,980	3.54	566	3-71		36	786	-.01	27	46
34-64-0070	6547865	1336050	1-66	2	293	17,685	3.73	659	30	13,965	3.68	514	8-71		40	807	.01	30	49
34-64-0070	7238493	1463169	11-68	2	305	22,085	3.11	687	19	14,695	3.59	527	3-72		38	965	-.08	22	47
34-64-0070	7350851	1347940	4-69	1	305	18,440	3.52	650	21	13,260	3.67	487	11-71		36	896	-.01	31	53
34-65-0003	6964663	1470512	9-67	2	305	17,500	3.78	662	8	13,045	3.71	484	7-71		37	878	-.01	30	51
34-67-0267	5997533	1244845	11-62	4	304	22,628	3.42	775	13	16,378	3.63	594	3-72		44	995	-.06	27	52
34-67-0356	5371526	1338931	3-61	2	305	21,680	4.17	904	6	13,465	3.57	481	1-71		28	1,073	.10	54	77
34-70-0002	5193132	1338631	9-60	8	305	22,894	3.54	811	36	16,879	3.58	605	8-71		34	1,054	.00	38	63
34-70-0002	6602595	1466275	7-66	3	305	23,586	3.71	874	36	17,980	3.66	658	2-71		33	882	.03	36	56
34-70-0002	7360299	1427381	11-68	1	305	19,790	3.59	710	41	17,530	3.45	605	6-71		36	959	.05	42	63
34-70-0002	7490325	1427381	10-69	1	305	21,940	3.42	750	42	17,860	3.54	632	2-72		36	1,097	.02	43	68
34-70-0053	6650254	1261857	10-66	1	305	17,010	3.99	679	7	13,340	3.97	530	9-71		36	696	.07	35	50
34-70-0053	6703315	1261857	1-67	3	302	17,513	4.06	711	5	15,923	3.87	617	3-72		42	592	.08	34	46
34-70-0104	6975975	1406271	8-67	2	305	18,640	4.17	777	16	14,850	3.87	574	1-71		40	773	.08	40	56
34-70-0116	4341355	1087974	1-57	8	305	19,351	3.96	766	11	16,645	3.64	606	8-71		44	696	.06	34	49
34-70-0116	5321759	1232296	10-60	7	303	19,339	3.77	729	18	16,473	3.54	583	1-71		44	699	.09	39	53

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C O	REPT (%)	.......C O W MILK (LB)	I N D E X....... FAT (%)	FAT (LB)	DOL-LARS
34-70-0116	7195777	1399654	7-68	2	305	19,050	4.25	810	18	16,860	3.80	640	8-71		40	486	.12	36	$ 44
34-70-0123	6029777	1189870	1-64	6	305	20,573	4.08	840	15	17,228	3.81	657	1-72		44	665	.07	34	48
34-70-0123	6145684	1367170	6-64	6	305	24,868	3.57	888	8	17,467	3.76	657	4-72		37	1,143	-.03	37	65
34-70-0132	6221046	1222994	1-65	4	305	21,288	3.80	809	16	16,375	3.68	603	8-71		44	889	.03	37	57
34-70-0238	5238768	1179372	7-60	4	304	17,903	4.27	765	14	15,370	3.77	579	5-71		44	516	.10	33	43
34-70-0240	5263788	1232296	10-60	7	305	16,620	3.79	630	8	13,707	3.67	503	1-71		44	669	.08	36	50
34-70-0245	7655185	1399654	1-69	1	305	19,210	4.41	848	26	16,400	3.74	613	9-71		35	481	.13	37	45
34-70-0257	6989798	1399654	7-67	2	305	18,560	4.00	743	12	14,355	3.75	539	12-70		40	666	.10	39	52
34-70-0300	7095584	1427381	7-68	2	305	18,645	3.81	711	21	14,800	3.85	570	11-71		40	1,116	.04	47	72
34-70-0354	6758395	1479763	10-66	2	305	24,510	3.19	781	17	16,550	3.54	586	11-71		25	1,035	-.07	26	53
34-70-0354	7262974	1521994	8-68	1	305	24,260	3.22	781	26	16,150	3.47	560	8-71		22	864	-.05	24	46
34-70-0528	5705331	1267764	8-62	5	305	22,208	3.96	880	30	18,128	3.87	702	12-71		44	675	.05	32	47
34-70-0528	6671148	1441298	11-66	4	305	22,492	3.87	870	35	19,272	3.88	747	12-71		41	1,089	-.04	33	60
34-70-0528	6933593	1397209	10-67	2	305	27,250	3.31	903	21	20,015	3.70	741	3-71		40	1,092	-.08	27	55
34-70-0528	7439999	1427615	11-69	1	305	27,260	3.16	861	41	18,830	3.81	717	11-71		36	1,150	-.16	16	48
34-73-0001	5343859	1232296	9-60	7	297	17,689	4.01	710	32	15,021	3.52	528	7-71		44	635	.13	43	55
34-73-0001	7189236	1447141	10-68	2	305	19,735	3.74	738	59	16,445	3.71	610	12-71		40	583	.06	30	42
34-73-0001	7207863	1447141	12-68	2	305	20,615	3.41	702	58	16,405	3.72	610	12-71		40	676	.01	26	42
34-73-0001	7262729	1447141	2-69	1	305	19,430	3.96	770	45	15,910	3.39	540	7-71		36	516	.10	34	44
34-73-0145	7114232	1399654	4-68	2	305	19,735	3.57	704	11	16,985	3.40	578	3-71		40	545	.08	31	42
34-74-0005	6781117	1470512	8-66	2	305	18,800	3.97	747	46	15,275	3.63	554	6-71		37	803	.03	33	51
34-74-0005	6932355	1336050	8-67	2	305	19,235	3.97	763	22	16,655	3.49	581	4-71		40	719	.06	35	50
34-74-0005	6962455	1336050	9-67	2	305	17,820	3.61	643	49	15,080	3.61	544	8-71		40	719	.00	26	43
34-74-0005	6964640	1336050	9-67	2	294	20,840	3.39	706	14	16,695	3.40	568	1-71		40	878	-.01	30	51
34-74-0015	6910132	1261857	9-67	2	305	19,320	3.51	679	28	15,240	3.54	540	3-71		40	827	.05	37	55
34-74-0087	6773992	1336050	4-67	3	305	16,977	3.99	678	9	13,877	3.63	504	4-72		42	770	.05	35	52
34-74-0087	6939376	1336050	7-67	2	305	18,830	3.38	636	17	14,270	3.62	516	10-71		40	895	-.03	28	50
34-74-0087	7014917	1336050	9-67	2	301	18,760	3.46	649	18	14,645	3.59	526	10-71		40	854	-.02	28	49
34-74-0087	7131577	1336050	3-68	1	305	20,900	3.40	711	11	15,170	3.48	528	6-71		36	894	-.01	31	53
34-74-0087	7291529	1336050	11-68	1	305	16,820	4.26	717	22	14,990	3.72	558	10-71		36	603	.05	29	42
34-74-0113	6732915	1336050	4-66	3	226	17,993	3.70	665	11	14,777	3.69	545	11-71	B	42	794	.00	29	48
34-74-0114	6705116	1336050	7-66	3	302	20,423	3.39	692	25	14,710	3.88	571	9-71		42	1,080	-.06	30	57
34-74-0140	6382732	1383010	12-63	3	305	18,366	3.65	671	10	14,013	3.58	501	8-71		33	670	.03	28	43
34-74-0161	6750501	1336050	7-66	4	304	18,868	3.39	639	11	15,773	3.65	575	7-71		44	809	-.04	23	43
34-74-0161	7240430	1336050	9-68	2	305	19,795	3.39	672	10	15,875	3.69	585	11-71		40	847	-.04	25	46
34-74-0161	7240433	1336050	1-69	1	305	20,360	3.19	650	13	16,120	3.67	591	10-71		35	791	-.04	22	42
34-74-0167	6037919	1286036	9-63	6	302	21,662	3.26	707	25	16,393	3.45	566	3-71		44	926	-.08	21	45
34-74-0167	6704162	1336050	8-66	4	305	20,055	3.62	726	20	17,848	3.43	613	3-72		44	725	.03	30	47
34-74-0167	6870961	1336050	8-67	3	305	22,620	3.49	790	28	17,270	3.54	611	10-71		42	1,068	-.01	37	63
34-74-0167	6870963	1336050	7-67	3	305	25,290	3.55	897	28	17,417	3.54	616	11-71		42	1,359	.00	49	81
34-74-0172	7057567	1399654	12-67	1	305	24,370	3.38	824	9	18,190	3.82	694	10-71		35	749	.02	30	47
34-74-0192	7527454	1267271	4-68	2	305	21,255	3.43	728	12	15,835	3.64	576	10-71		40	847	-.06	22	44
34-74-0298	7737131	1447141	8-69	1	305	24,020	3.58	861	15	17,200	3.74	643	11-71		36	772	.04	34	51
34-74-0312	6525520	1237057	5-65	5	305	23,128	3.19	738	18	16,546	3.58	592	11-71		44	1,137	-.11	24	54
34-74-0312	6823112	1330987	9-65	4	303	22,083	3.42	756	16	17,158	3.54	608	12-71		44	924	.00	34	56
34-74-0312	7270169	1427381	9-68	1	305	24,790	3.55	881	9	17,700	3.46	612	1-71		36	1,320	.05	55	85
34-74-0359	7868040	1427381	8-69	1	305	19,990	3.91	782	8	15,500	3.70	573	2-72		36	1,110	.06	50	75
34-74-0440	5777221	1395355	11-62	6	305	28,003	4.14	1158	13	19,818	3.67	728	4-72		32	1,384	.14	72	101
34-74-0440	6586423	1336050	3-66	3	300	26,930	3.75	1010	16	18,860	3.76	709	6-71		42	1,399	.01	52	85
34-74-0440	6948143	1225575	9-67	2	305	27,060	3.74	1012	12	22,105	3.80	841	12-71		40	705	.00	26	43
34-74-0440	7103673	1427381	3-68	2	305	26,055	3.73	973	18	19,525	3.75	732	9-71		40	1,436	.04	58	91
34-74-0440	7456908	1515383	8-69	1	305	32,000	3.64	1165	10	22,890	3.71	850	1-72		24	798	.00	29	48
34-74-0812	7300917	1336050	10-68	1	303	20,990	2.98	625	14	16,100	3.61	581	6-71		36	839	-.06	21	43
34-74-0812	7475032	1447141	10-69	1	300	20,550	3.54	727	6	15,880	3.56	566	2-72		36	602	.05	29	42
34-74-0893	6850685	1336050	8-67	3	305	18,220	3.43	625	41	14,730	3.44	507	12-71		42	825	.00	29	49
34-74-0893	6933376	1336050	10-67	1	300	19,480	3.71	722	42	15,260	3.30	504	6-71		36	783	.03	33	51
34-74-0893	7452395	1447414	7-69	1	305	18,480	3.32	614	17	15,890	3.64	578	3-72		35	817	-.06	21	42
34-74-2022	7189756	1458744	11-68	1	305	19,790	3.17	627	6	14,180	3.54	502	11-70		36	895	-.05	25	46
34-76-0005	7389391	1447141	7-69	1	305	18,610	3.73	695	81	13,020	3.60	469	8-71		36	649	.06	33	47
34-76-0005	7389398	1320310	8-69	1	305	16,190	3.50	566	81	13,240	3.62	479	9-71		36	804	-.05	22	42
34-76-0005	7477171	1385871	11-69	1	305	21,000	3.64	765	23	13,540	3.78	512	12-71		27	834	-.01	29	49
34-76-0024	6043015	1267271	5-63	4	302	17,808	3.76	670	21	11,848	3.69	437	6-71		44	971	-.01	34	57
34-76-0026	7403149	1495135	4-68	2	305	16,040	4.08	654	32	13,715	3.55	487	9-71		36	586	.11	37	48
34-76-0048	6445172	1290182	7-64	5	305	18,804	4.59	863	12	15,804	3.80	600	1-71		44	442	.14	37	44
34-76-0053	6800424	1336050	10-66	4	302	16,408	3.43	562	48	13,378	3.37	451	3-72		44	771	.00	28	46
34-76-0053	7044618	1261857	11-67	2	305	18,600	3.78	703	52	13,255	3.46	459	3-71		40	936	.09	47	67
34-76-0053	7523911	1427381	8-69	1	305	16,530	3.28	542	85	12,640	3.37	426	9-71		36	1,044	.03	42	66
34-76-0057	6649530	1148993	7-66	3	305	19,587	3.70	724	7	15,817	3.62	573	3-71		41	647	.03	28	43
34-76-0057	6809559	1425137	8-66	2	305	21,670	4.10	888	27	15,405	3.83	590	9-71		40	691	.04	31	46
34-76-0057	6890083	1458744	10-66	2	305	18,970	3.44	652	24	15,635	3.76	588	6-71		40	801	-.04	23	43
34-76-0057	6890086	1458744	8-67	2	305	19,430	3.25	632	25	15,590	3.79	591	8-71		40	852	-.07	20	42
34-76-0061	6690525	1330987	1-67	3	305	15,837	4.01	635	13	13,373	3.63	485	8-71		42	560	.08	32	43
34-76-0061	6729840	1458744	12-66	2	305	18,315	3.92	718	13	13,590	3.70	503	10-71		40	921	.02	37	56
34-76-0132	7479073	1464901	11-69	1	268	21,860	4.25	928	9	17,690	4.13	731	2-72	B	33	981	.02	38	61
34-76-0134	6699489	1271075	7-66	4	297	24,183	3.22	779	13	18,465	3.47	641	11-71		43	1,157	-.06	33	62
34-76-0134	7220505	1399283	9-68	1	305	25,310	3.60	912	21	18,170	3.55	645	10-71		36	828	-.03	26	46
34-76-0134	7220507	1399283	1-69	2	305	23,985	3.57	856	7	18,975	3.66	695	4-72		40	807	-.04	23	43
34-76-0134	7443334	1387978	2-69	1	305	23,010	3.48	800	23	16,570	3.64	603	8-71		36	925	-.02	30	53
34-76-0134	7443343	1447414	9-69	1	305	22,920	3.55	813	12	19,630	3.58	702	12-71		35	898	-.03	28	50
34-76-0140	7395297	1447141	4-69	1	305	20,660	3.53	730	18	15,220	3.82	581	7-71		36	654	.03	28	43
34-76-0159	7033457	1458744	1-68	1	305	21,480	2.96	636	11	15,090	3.74	564	10-71		36	960	-.08	22	47
34-76-0159	7165333	1458744	8-68	1	303	16,400	3.80	624	9	13,400	3.75	503	7-71		36	695	.00	25	42
34-77-0005	5833355	1330987	4-63	7	305	16,039	3.65	585	7	12,526	3.74	469	11-71		44	707	.02	29	45
34-77-0011	7042418	1458744	3-68	1	305	18,650	3.54	660	21	15,830	3.45	546	7-71		36	700	.00	25	42
34-77-0091	4800026	1232129	10-58	8	305	24,000	3.56	854	10	15,109	3.83	579	5-71	B	42	1,418	-.10	35	72

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C O	REPT (%)	.......C O W MILK (LB)	I N D E X....... FAT (%)	FAT (LB)	DOL-LARS
34-77-0115	7498607	1427381	12-69	1	305	21,000	4.09	859	25	18,230	3.65	665	12-71		36	1,002	.08	49	$ 71
34-77-0172	6675599	1468572	6-66	2	305	18,845	3.73	702	56	13,320	3.59	478	8-71		29	664	.03	28	43
34-77-0172	6931129	1458744	12-67	2	305	19,605	4.02	788	37	14,330	3.64	522	6-71		40	985	.04	42	64
34-77-0172	7194344	1336050	10-68	2	305	19,695	3.89	766	35	15,440	3.63	560	1-72		40	876	.04	37	57
34-77-0172	7218397	1458744	8-68	1	305	18,510	3.72	688	80	14,190	3.71	527	8-71		36	799	-.01	28	47
34-77-0172	7363335	1458744	5-69	1	305	24,810	3.42	849	35	16,180	3.63	588	1-72		36	1,135	-.03	36	64
34-77-0180	6063245	1301486	11-63	3	305	21,260	3.58	761	14	15,457	3.47	536	12-71		42	692	.01	26	42
34-77-0180	7477885	1427381	1-70	1	305	20,740	3.35	695	18	18,240	3.55	647	2-72		36	982	.02	38	61
34-77-0185	7984786	010275932	4-68	1	305	29,570	3.06	905	6	16,480	3.56	586	1-72		36	1,122	-.05	32	60
34-78-0001	6462431	1336050	11-65	4	303	20,145	3.51	707	50	15,078	3.71	559	3-71		44	1,044	-.02	34	60
34-78-0001	6784947	1336050	4-66	3	305	23,410	3.55	830	56	15,137	3.71	562	4-71		42	1,379	-.02	47	80
34-78-0001	6784951	1336050	7-66	4	303	19,603	3.79	742	55	15,438	3.81	588	10-71		44	937	.01	35	57
34-78-0001	6784953	1336050	8-66	4	305	17,378	3.96	688	51	15,520	3.84	596	12-71		44	653	.02	27	42
34-78-0001	7020879	1336050	5-67	3	301	18,343	3.72	682	54	15,043	3.80	572	9-71		42	806	.00	29	48
34-78-0001	7044938	1336050	3-67	2	305	18,455	3.55	656	53	15,040	3.79	570	5-71		40	787	-.02	25	44
34-78-0001	7055434	1336050	9-67	2	296	21,425	3.62	776	52	16,140	3.87	625	10-71		40	988	-.02	32	56
34-78-0001	7055435	1336050	2-68	2	305	19,435	3.65	710	49	15,630	3.76	587	4-71		40	833	-.01	29	49
34-78-0001	7091876	1336050	4-68	1	305	18,040	4.09	737	59	15,620	3.89	607	6-71		36	651	.02	27	42
34-78-0014	5531081	1244845	11-61	8	301	19,109	3.39	648	16	13,854	3.50	485	4-71		44	867	-.05	24	46
34-78-0121	7157958	1393854	7-67	3	302	19,517	3.71	724	28	15,927	3.65	581	10-71		42	515	.10	34	43
34-79-0021	7027588	1482271	1-68	1	305	22,370	3.29	735	11	15,720	3.58	563	12-70		26	840	-.05	23	44
34-79-0194	6154067	1267271	11-63	3	305	20,033	3.18	637	9	14,127	3.54	500	6-71		42	949	-.09	21	46
34-80-0012	5260281	1232296	7-60	9	305	16,958	3.55	602	14	14,180	3.29	466	12-71		44	658	.09	37	50
34-80-0051	7499804	1447414	8-69	1	305	19,850	3.26	647	20	16,050	3.48	558	10-71		35	909	-.05	25	48
34-81-0012	6433273	1411695	9-65	3	305	19,706	3.36	663	24	14,413	3.62	522	10-71		34	776	-.03	23	42
34-81-0014	7398465	1500609	6-69	1	305	24,190	3.22	779	10	16,330	3.65	596	3-72		33	978	-.09	22	48
34-81-0024	6808427	1267271	6-65	5	305	19,370	3.70	716	24	15,640	3.63	567	1-72		44	761	-.02	25	44
34-81-0024	6869709	1434538	9-65	4	305	22,067	3.24	715	24	13,962	3.61	504	12-71		35	1,358	-.08	36	71
34-81-0024	7292883	1399654	3-69	1	305	22,200	3.23	716	32	15,150	3.61	547	11-71		35	791	.02	32	50
34-81-0024	7379526	1347940	1-69	1	305	18,700	3.80	711	33	15,210	3.60	547	11-71		36	764	.02	31	49
34-81-0074	7689316	1447141	2-69	1	305	20,450	3.75	766	20	16,130	3.55	572	3-71		36	578	.07	32	44
34-81-0148	7118422	1330987	8-66	4	305	18,813	3.55	667	15	14,260	3.59	512	12-71		44	842	.02	34	53
34-81-0634	6904097	1336050	12-66	2	305	22,120	2.88	636	8	13,790	3.43	473	9-71		40	1,273	-.09	32	65
34-81-0718	7278359	1336050	1-69	1	305	21,010	3.45	725	23	15,670	3.38	529	7-71		36	869	.00	32	53
34-82-0005	6498129	1391048	5-65	4	305	19,860	3.26	647	10	14,182	3.76	533	5-71		35	966	-.12	17	43
34-82-0005	6498138	1435298	11-65	4	296	19,745	3.80	750	17	14,662	3.67	538	1-72	B	35	683	.04	31	46
34-84-0001	6006987	1390540	1-64	5	305	18,254	4.17	762	11	15,216	3.75	571	5-71		38	481	.15	39	47
34-84-0001	6074858	1390540	4-64	5	305	19,366	4.05	784	11	15,176	3.81	578	4-71		38	646	.12	41	53
34-84-0043	6974547	1336050	11-67	2	305	19,320	3.36	649	23	14,475	3.62	524	10-71		40	926	-.03	29	52
35-01-0002	6145707	1383926	10-64	5	302	19,866	3.93	780	16	16,038	3.64	584	8-71		44	716	.07	37	52
35-01-0010	5936776	1386406	10-63	6	305	20,001	3.31	663	13	15,458	3.64	562	3-71		44	826	-.04	24	45
35-01-0011	6666550	1383004	6-66	3	305	20,253	3.75	760	10	15,836	3.73	590	10-71		42	486	.10	33	42
35-01-0011	6976241	1383004	9-67	3	295	21,943	3.79	831	8	16,323	3.58	584	12-71		42	630	.13	42	54
35-02-0013	6977357	1387978	12-67	2	297	21,905	3.23	707	8	17,560	3.74	657	3-71		40	877	-.08	20	43
35-02-0016	6614165	1261857	6-66	3	305	18,403	3.93	723	6	15,247	3.86	588	9-71		42	764	.08	39	55
35-03-0007	6243393	1364674	10-64	4	301	18,450	3.85	710	12	14,678	3.70	543	3-71		36	697	.04	31	47
35-03-0008	6669230	1479723	7-66	4	305	18,153	4.26	773	35	14,523	4.21	612	3-72		33	668	.05	31	46
35-03-0008	6798775	1479723	1-67	3	300	18,247	4.29	783	30	14,623	4.23	618	11-71		32	639	.05	31	45
35-03-0008	6941461	1479723	5-67	2	305	20,600	3.93	809	31	14,905	4.23	630	3-71		29	843	.00	30	50
35-03-0008	6943794	1479723	8-67	2	305	16,625	4.75	790	30	13,645	4.18	571	9-71		29	499	.11	34	43
35-03-0008	6943796	1464510	10-67	2	305	21,045	4.21	887	34	14,335	4.21	603	5-71		38	1,071	.00	39	64
35-03-0008	7138939	1306247	5-68	1	305	24,400	3.41	832	30	15,740	4.42	695	1-71		35	1,100	-.10	24	53
35-03-0008	7261165	1365341	12-68	1	305	19,090	3.76	718	41	15,480	4.30	666	12-71		36	808	-.05	22	43
35-03-0026	7347083	1502930	11-68	2	305	18,675	4.40	822	34	14,600	3.90	570	12-71		29	500	.11	35	44
35-03-0035	5637255	1244845	4-62	5	305	21,228	4.36	926	12	16,256	4.00	650	3-72		44	861	.07	41	60
35-03-0035	6462971	1333705	12-65	4	305	22,163	4.52	1001	14	16,183	4.05	656	11-71		44	667	.17	50	61
35-03-0035	6941285	1458744	11-67	2	305	23,045	3.34	769	17	16,305	3.83	624	6-71		40	1,153	-.07	31	60
35-03-0035	7199375	1427381	10-68	1	305	17,660	3.84	679	16	16,160	3.83	619	7-71		36	892	.04	39	59
35-03-0038	6767687	1261857	3-67	3	305	18,900	4.15	784	11	14,973	4.15	621	10-71		42	850	.07	42	60
35-03-0038	6767689	1468427	3-67	3	293	18,120	4.21	762	12	14,556	3.98	580	12-71	B	32	592	.09	35	47
35-03-0049	6916001	1397209	8-67	2	305	21,550	3.82	823	12	14,365	3.65	524	12-70		40	1,030	.01	39	63
35-03-0053	5977799	1386406	12-63	6	304	19,853	3.92	778	16	16,250	4.02	654	12-71		44	715	.01	28	45
35-03-0053	6560388	1309948	10-65	4	305	22,658	3.85	872	22	16,800	4.01	673	1-72		42	965	-.02	32	55
35-03-0067	7278082	1427381	1-69	1	304	19,720	3.99	787	6	15,800	3.88	613	9-71		36	1,070	.05	47	71
35-03-0085	5909495	1355939	9-63	5	305	19,974	3.88	774	19	15,916	3.94	627	6-71		36	775	.03	32	50
35-03-0085	6508911	1287090	11-65	4	305	21,118	4.36	920	19	15,928	3.93	626	10-71		44	516	.16	42	50
35-03-0101	7089127	1261857	11-67	2	304	19,210	3.35	643	20	14,610	3.94	575	2-72		40	874	-.01	30	51
35-03-0112	6579255	1386406	5-66	3	305	22,416	3.26	730	8	16,840	3.69	622	4-71		42	905	-.06	24	47
35-03-0112	7217912	1427381	7-68	2	303	17,200	3.59	617	14	15,555	3.68	573	1-72		40	900	.03	37	58
35-03-0112	7559037	1427381	7-69	1	305	19,470	3.87	754	15	15,540	3.52	547	10-71		36	1,069	.07	49	73
35-03-0121	7672917	1427381	1-69	1	305	16,560	3.94	653	8	12,890	3.82	493	12-71		36	1,029	.06	46	69
35-03-0124	7408202	1427381	12-68	1	305	16,900	3.58	605	16	15,050	3.67	553	3-71		36	910	.03	38	59
35-03-0124	7598242	1427381	12-69	1	305	17,570	3.59	631	15	15,110	3.79	573	1-72		36	956	.03	39	61
35-03-0124	7643691	1427381	12-69	1	305	17,840	4.28	763	12	14,900	3.82	569	2-72		36	990	.09	49	70
35-03-0133	7158997	1479662	11-66	3	305	22,183	3.79	841	13	15,297	3.78	578	11-71		29	994	.02	39	62
35-03-0136	6357515	1432844	4-65	5	276	18,926	3.97	752	7	15,888	3.75	596	4-72	B	36	670	.05	31	46
35-03-0136	6387119	1432844	3-65	4	305	19,910	3.70	737	9	15,650	3.76	589	5-71		35	826	-.01	28	48
35-03-0145	7047735	1427381	3-68	2	305	18,250	4.07	742	5	15,855	3.57	566	3-72		40	979	.10	50	71
35-03-0145	7578075	1427381	10-68	1	305	17,570	3.92	688	11	14,560	3.67	534	8-71		36	993	.06	45	67
35-03-0146	6770081	1261857	11-66	4	305	25,690	3.96	1018	15	17,090	3.82	652	1-72		44	1,478	.10	69	101
35-03-0146	7032299	1387978	10-67	3	305	17,956	4.20	754	12	15,603	3.92	612	10-71		42	674	.04	30	45
35-03-0165	7302097	1427381	12-68	1	305	16,890	3.22	544	27	14,150	3.58	506	9-71		36	970	.01	37	60
35-03-0167	6972322	1377954	10-67	3	305	17,857	3.95	705	11	15,673	3.75	587	3-72		42	607	.05	29	42
35-03-0346	6466416	1450930	9-65	4	305	20,825	3.13	652	21	14,892	3.73	556	12-71		35	1,110	-.15	17	48
35-03-0346	6466419	1450930	11-65	2	305	20,740	3.22	667	17	14,010	3.80	533	10-70		30	1,065	-.13	19	48

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C O	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
35-03-0346	6754454	1450930	9-66	3	305	20,830	3.63	756	15	15,610	3.72	580	3-72		33	971	-.05	27	$ 52
35-03-0422	6656055	1458744	9-66	3	305	22,573	3.39	765	22	16,590	3.97	658	10-71		42	1,148	-.08	29	59
35-03-0422	7645974	1427381	9-69	1	203	21,490	3.09	665	11	16,740	3.88	650	4-72	B	36	1,139	-.03	36	64
35-03-0507	7526818	1365341	1-70	1	305	17,710	3.72	659	20	12,990	3.58	465	12-71		36	872	.00	31	52
35-04-0018	6753841	1261857	12-66	4	302	21,738	3.54	770	22	16,133	3.69	596	12-71		44	1,096	.03	44	69
35-04-0018	6753845	1314767	1-67	4	305	22,002	3.76	827	18	16,405	3.72	611	1-72		44	843	.04	36	55
35-05-0004	6876550	1306247	1-66	4	305	16,705	3.95	660	18	13,188	3.84	507	3-72		43	809	.01	30	49
35-05-0004	7321084	1365341	1-69	1	305	16,530	3.70	611	26	12,910	3.84	496	5-71		36	789	-.02	26	45
15-05-0008	6081338	1397209	2-64	5	305	21,180	3.65	774	15	16,324	3.80	620	1-71		44	931	-.03	29	52
35-05-0008	6838242	1397209	6-67	3	305	21,226	3.53	749	12	16,413	3.63	596	10-71		42	867	-.03	26	48
35-05-0008	7032127	1397209	1-68	2	305	24,265	3.41	828	14	16,825	3.64	612	11-71		40	1,081	-.05	31	58
35-05-C008	7515962	1366229	9-69	1	305	25,780	3.51	904	11	18,230	3.72	679	1-72		36	653	.04	29	44
35-05-0030	6693884	1344345	7-66	3	305	24,403	3.58	874	14	16,843	3.65	614	6-71		42	1,108	-.06	31	59
35-05-0030	6714712	1441298	7-66	3	305	22,510	3.09	696	17	18,726	3.62	678	1-71		40	1,133	-.15	18	49
35-05-0030	6990979	1366229	1-68	1	305	27,140	3.20	869	13	19,290	3.53	681	12-70		36	684	.01	26	42
35-05-0030	7249657	1365341	11-68	2	[illegible]	20,040	3.73	748	15	17,620	3.65	644	3-72		40	778	.00	28	47
35-05-0037	6666850	1435884	11-66	3	305	19,390	3.84	745	28	14,820	3.86	572	8-71		33	670	.02	27	42
35-05-0037	6796041	1469167	3-67	3	305	17,600	3.89	684	28	14,240	3.98	567	2-72		35	696	.01	26	42
35-05-C037	6912263	1469167	9-67	2	305	20,760	3.60	748	26	13,745	3.76	517	6-71		32	1,072	-.01	37	63
35-05-0037	7049293	1469167	1-68	2	305	20,620	3.73	770	22	14,085	3.81	536	8-71		32	1,020	.01	38	62
35-05-0037	7161632	1469167	6-68	2	305	18,240	4.03	735	29	14,660	4.01	588	1-72		32	687	.02	28	44
35-05-C037	7251496	1469167	10-68	1	305	20,600	3.57	736	24	14,130	3.92	554	4-71		27	842	-.02	27	48
35-C5-0037	7251505	1469167	1-69	1	305	20,350	3.66	744	30	14,400	3.99	574	3-71		27	800	-.02	26	46
35-05-0037	7366289	1469167	3-69	1	305	16,970	4.11	697	19	13,050	3.71	484	8-71		27	615	.05	29	42
35-05-0037	7366293	1469167	4-69	1	305	19,430	3.70	718	28	12,970	3.70	480	7-71		27	831	.01	31	51
35-05-0037	7366296	1469167	5-69	1	305	21,260	3.63	772	22	13,110	3.71	486	6-71		27	977	.00	35	58
35-05-0047	6203079	1383926	10-64	5	249	20,364	3.47	706	22	15,812	3.67	580	5-71		44	807	-.01	28	47
35-05-C047	6396649	1417208	1-65	4	297	18,480	3.80	702	37	15,293	3.56	544	4-71		44	769	.05	35	52
35-05-0047	7485601	1365341	3-69	1	305	23,520	3.29	774	57	15,830	3.42	541	7-71		36	1,114	-.03	35	62
35-05-C048	6903589	1383926	6-67	3	305	21,300	3.53	752	14	14,863	3.44	511	9-71		42	954	.03	39	61
35-C5-C057	7051438	1383926	11-67	3	305	22,570	3.50	789	22	18,343	3.71	681	1-72		42	740	.00	26	44
35-05-0060	6990342	1458744	10-67	2	305	17,935	3.65	655	24	14,705	3.61	531	10-71		40	781	.00	28	47
35-05-0061	6265385	1306247	10-64	4	305	18,245	3.35	611	21	14,235	3.61	514	9-71		43	884	-.06	23	46
35-C5-0063	6455449	1386406	1-66	3	305	20,200	4.34	876	9	17,230	3.89	671	1-71		42	609	.09	36	46
35-05-C063	6501738	1397209	12-65	5	301	22,116	3.56	787	10	16,822	3.95	665	1-72		44	994	-.07	25	51
35-05-0068	5660508	1302954	2-61	6	305	19,970	3.39	676	27	15,468	3.46	535	10-71		35	835	-.04	24	45
35-05-0068	7036368	1383004	2-68	1	278	23,890	4.29	1026	30	16,140	3.38	546	8-70	H	36	548	.20	50	58
35-05-0068	7102597	1481698	7-68	2	305	23,700	3.46	820	25	17,070	3.50	598	1-72		29	931	-.04	28	51
35-05-0068	7354604	1458744	4-69	1	305	22,650	3.88	879	22	16,340	3.48	568	10-71		36	963	.03	40	62
35-05-0069	6261955	1383926	3-65	5	297	19,706	3.52	693	15	14,596	3.52	514	3-72		44	863	.02	34	54
35-05-0074	7232869	1427381	11-68	2	305	16,185	3.79	613	16	12,470	3.70	461	1-72		40	1,079	.05	47	71
35-05-C079	4428217	1147528	7-57	4	305	22,080	3.95	872	18	14,678	3.83	562	10-71		30	1,130	.05	48	74
35-05-C079	6831643	1237057	1-67	3	305	19,640	3.41	670	13	14,343	3.83	549	9-71		42	878	-.08	19	42
35-05-0086	6458231	1330987	1-66	4	297	19,428	3.71	720	14	15,410	3.61	557	3-71		44	791	.04	35	53
35-05-0086	6507127	1330987	3-66	4	305	19,558	3.13	613	17	14,995	3.57	536	8-71		44	853	-.04	25	46
35-05-0086	6520507	1448297	12-65	4	305	19,895	3.47	691	16	16,177	3.60	582	3-71		42	805	-.05	21	42
35-05-0086	6740668	1458744	12-66	3	305	19,410	3.39	658	16	16,566	3.53	585	8-71		42	787	-.03	24	44
35-05-0086	7052224	1458744	4-68	2	305	22,510	3.23	727	18	16,490	3.55	586	10-71		40	1,082	-.06	30	57
35-05-0086	7100409	1330987	6-68	2	305	19,810	3.75	743	17	16,530	3.49	577	12-71		40	653	.06	33	47
35-05-C088	5976088	1214317	9-63	6	305	19,388	3.80	736	13	14,415	3.57	514	11-71		44	851	.03	36	55
35-05-0091	6800129	1447141	7-66	4	305	23,857	4.00	954	16	18,930	3.54	670	11-71		44	880	.13	52	69
35-05-C114	6854175	1397209	3-67	3	305	19,733	3.47	684	19	14,503	3.72	539	12-71		42	893	-.05	25	48
35-06-0009	5994615	1354181	12-63	5	305	17,806	4.05	721	13	12,918	3.71	479	11-71		35	640	.07	33	46
35-06-0028	6961259	1340861	12-67	2	297	20,690	3.31	684	17	15,115	3.76	568	9-71		36	908	-.06	24	47
35-06-0028	7328387	1393997	1-69	2	305	19,490	3.80	740	8	15,170	3.75	569	2-72		40	735	.02	30	47
35-06-0029	7206332	1377954	4-68	1	305	19,630	4.24	833	35	17,010	3.71	631	11-71		36	590	.07	32	44
35-06-0053	6512074	1446516	11-65	2	305	22,215	3.75	834	31	16,570	3.80	630	12-70		32	817	-.02	26	46
35-06-0149	6270318	1383004	8-64	5	277	21,070	3.42	720	10	15,738	3.64	573	6-71		44	668	.05	32	46
35-06-0149	7124342	1498483	4-68	2	305	21,150	3.92	829	15	16,525	3.82	632	10-71		29	695	.01	27	43
35-06-0165	6553274	1259069	10-65	3	305	23,997	3.61	866	26	17,283	3.70	640	2-72		42	940	-.03	29	52
35-07-0004	7024635	1261857	9-67	2	305	17,095	4.02	688	12	15,080	3.82	576	10-71		40	616	.09	35	47
35-07-0010	7387171	1397209	4-68	2	305	21,235	3.70	786	15	16,940	3.69	625	6-71		40	763	-.01	26	44
35-07-0064	6102042	1295580	7-64	6	300	19,170	3.55	681	12	14,116	3.82	539	12-71		38	831	-.04	24	45
35-07-C064	6475729	1377954	1-66	4	305	17,920	3.89	697	8	14,733	3.81	561	8-71		44	731	.03	31	48
35-08-0014	7096741	1417208	7-68	2	305	18,140	3.52	639	16	14,620	3.73	545	11-71		40	746	-.01	25	43
35-08-0027	6484779	1386406	10-64	4	305	22,017	3.67	807	14	16,555	3.66	606	12-71		44	931	.02	36	58
35-08-C027	6972719	1386406	7-65	2	305	19,780	3.76	743	10	16,035	3.64	583	7-71		40	640	.03	28	42
35-08-0033	7478142	1458744	8-69	1	305	17,640	3.71	654	14	14,030	3.55	498	12-71		36	745	.01	28	46
35-08-0035	6463563	1417208	9-65	4	299	18,278	3.44	629	22	14,515	3.48	505	11-71		44	830	.00	30	50
35-08-0035	6510902	1330987	2-66	4	305	16,303	4.07	663	18	14,593	3.47	506	3-71		44	495	.11	34	43
35-08-0035	6742449	1458744	10-66	4	305	19,245	3.71	714	23	14,857	3.53	524	11-71		44	972	.02	38	61
35-08-0035	6886844	1330987	7-67	3	305	16,870	4.38	739	21	15,043	3.53	531	10-71		42	506	.14	39	47
35-08-C035	7206959	1458744	9-68	1	305	17,140	3.77	647	33	14,520	3.57	518	1-71		36	675	.01	26	42
35-08-0035	7464605	1458744	9-69	1	305	21,210	3.01	638	16	14,840	3.65	541	9-71		36	957	-.07	24	49
35-08-0035	7464606	1417208	9-69	1	305	19,030	3.67	699	30	14,690	3.36	494	2-72		36	736	.03	31	48
35-08-0035	7554300	1458744	1-70	1	305	18,610	3.37	627	29	14,620	3.38	494	2-72		36	778	-.01	26	45
35-08-C043	6362687	1386406	12-64	4	305	20,152	3.44	694	15	15,480	3.66	567	9-70		44	820	-.02	27	47
35-08-0043	6998152	1366229	5-67	3	305	20,723	3.61	748	13	15,750	3.62	570	12-71		42	644	.05	31	45
35-08-0045	5133366	1257896	1-60	5	305	18,560	3.81	707	30	12,256	3.62	444	2-71		35	1,026	.03	42	66
35-08-0048	7050547	1383926	1-68	2	305	18,305	4.23	775	14	15,595	3.50	546	12-70		40	503	.11	35	44
35-08-0048	7438394	1365341	11-69	1	305	20,490	3.17	650	23	14,600	3.66	534	11-71		36	971	-.06	26	51
35-08-0050	7252825	1365341	1-69	1	305	19,010	4.21	800	16	15,490	3.80	588	9-71		36	801	.03	34	52
35-08-0059	5839717	1284364	1-63	5	302	18,824	3.51	660	18	13,346	3.60	481	7-71		44	806	-.03	24	44
35-08-0073	7102077	1366229	5-68	2	305	21,175	3.24	686	14	14,115	3.69	521	10-71		40	772	-.01	27	46
35-08-0076	6256861	1383926	10-64	6	299	21,041	3.74	786	14	16,041	3.46	555	4-72		44	868	.06	41	60

TABLE 3. HOLSTEIN USDA-OHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	TCO	REPT (%)	.......C O W MILK (LB)	I N D E X....... FAT (%)	FAT (LB)	DOL-LARS
35-08-0096	6503362	1306247	9-65	5	301	20,444	3.24	662	22	16,262	3.76	611	11-71		44	950	-.10	19	$ 44
35-08-0096	6540782	1366229	12-65	3	305	19,616	4.30	843	20	15,676	3.71	582	8-71		42	525	.15	41	50
35-08-0096	6982895	1383926	7-67	2	305	20,610	4.08	840	27	16,190	3.77	610	3-71		40	683	.08	36	50
35-08-0101	7512939	1426616	1-70	1	305	20,510	3.44	705	12	16,860	3.34	563	3-72		33	710	.00	25	42
35-08-0103	6304958	1383926	3-65	4	305	18,415	3.56	655	11	14,690	3.51	515	2-71		44	667	.03	28	43
35-08-0104	6586258	1329588	9-64	5	305	19,906	3.45	686	21	15,424	3.62	559	6-71		44	785	-.04	22	42
35-08-0249	6768145	1324992	11-66	4	299	21,668	3.15	682	8	14,908	3.54	527	1-72		43	850	-.07	20	42
35-09-0004	7218915	1306247	6-68	2	305	20,700	3.45	714	30	15,780	3.80	600	1-72		40	925	-.05	25	49
35-09-0006	6696623	1465302	8-66	3	305	17,190	3.93	675	27	13,940	3.70	516	10-70		32	639	.04	29	43
35-09-0010	5885817	1288310	4-63	6	305	19,496	3.67	715	29	14,958	3.99	597	10-71		37	800	-.03	25	45
35-09-0010	6275344	1288310	3-65	3	305	20,136	3.98	802	35	15,516	4.05	629	10-70		34	755	.02	30	47
35-09-0010	6275354	1432844	1-65	4	305	20,370	3.67	748	32	15,352	4.02	617	2-71		35	928	-.05	26	49
35-09-0010	6572055	1432844	4-66	3	305	19,040	3.97	756	33	15,376	3.99	613	2-71		34	706	.01	27	44
35-09-0023	7404003	1426616	8-69	1	305	20,970	3.39	711	30	14,740	3.87	571	11-71		33	894	-.05	25	48
35-09-0028	7059006	1397209	5-68	2	305	20,340	3.59	731	21	15,190	3.77	573	9-71		40	832	-.03	25	46
35-09-0028	7571486	1397209	1-70	1	305	20,980	4.22	886	32	16,260	3.68	598	1-72		36	685	.04	31	46
35-09-0033	6366100	1397209	3-65	4	305	19,972	3.39	677	34	14,592	3.75	547	5-71		44	951	-.07	24	48
35-09-0033	6820477	1397209	10-66	3	305	17,410	4.19	729	26	14,726	3.73	550	5-71		42	603	.05	29	42
35-09-0033	7248761	1507054	10-68	2	305	17,015	4.47	760	31	14,200	3.80	539	12-71		29	464	.12	34	42
35-09-0033	7248765	1387978	10-68	2	305	18,545	3.58	664	34	14,140	3.83	542	11-71		40	848	-.03	26	47
35-09-0035	5240885	1199324	1-61	8	304	19,721	3.53	696	19	14,673	3.89	571	9-71		44	1,085	-.05	31	58
35-09-0041	6914693	1306247	9-67	2	305	19,805	3.82	757	20	16,880	3.80	641	11-71		40	732	-.01	25	43
35-09-0041	7018727	1306247	1-68	2	305	20,755	3.67	762	19	16,840	3.77	635	10-71		40	833	-.03	26	47
35-09-0045	6018035	1386406	9-63	6	294	20,405	4.28	873	13	16,571	4.19	695	2-71	B	44	749	.06	36	52
35-09-0047	6601341	1465302	4-66	5	290	17,276	4.35	751	22	14,902	3.72	555	12-71		35	565	.11	37	47
35-09-0047	6696622	1465302	8-66	3	304	19,616	3.52	691	42	14,353	3.72	534	11-70		32	917	-.03	29	52
35-09-0047	6696624	1465302	9-66	4	305	19,800	3.52	696	20	14,302	3.71	531	4-72		34	996	-.03	31	56
35-09-0047	6908525	1465302	9-67	3	294	18,970	3.60	683	29	14,576	3.72	542	2-72		32	803	-.01	27	46
35-09-0047	7474056	1427381	10-69	1	305	16,740	4.00	670	40	14,260	3.81	544	10-71		36	951	.06	43	64
35-09-0054	6773520	1306247	10-66	4	305	20,273	3.24	656	21	15,868	3.83	607	9-71		43	953	-.10	19	44
35-09-0060	6805759	1261857	3-67	2	305	16,305	4.57	745	25	13,580	3.76	511	10-71		40	673	.15	47	59
35-09-0067	6318805	1237057	1-65	4	305	24,245	3.80	922	14	18,545	3.98	739	3-71		44	1,018	-.04	30	55
35-09-0067	6824981	1386406	7-65	4	299	22,055	3.79	835	11	18,450	4.03	743	3-71		44	725	-.01	24	42
35-09-0067	6901702	1386406	11-66	3	301	23,456	3.65	855	9	18,656	3.93	734	2-71		42	836	-.02	27	47
35-09-0067	6901705	1479345	3-66	4	303	22,508	4.13	930	14	18,788	3.93	739	3-71		30	633	.07	33	46
35-09-0076	7153210	1383004	8-68	2	305	21,080	3.97	836	24	16,485	3.72	614	1-72		40	448	.14	37	44
35-09-0078	6649740	1383926	12-65	4	305	20,880	3.19	666	15	13,902	3.67	510	9-71		44	1,059	-.05	30	57
35-09-0078	7015711	1441298	10-66	3	305	15,383	3.74	576	16	13,646	3.69	503	7-71		40	827	-.04	23	44
35-09-0078	7329904	1365341	12-68	1	305	18,880	3.41	644	37	14,770	3.57	528	10-71		36	840	-.03	26	47
35-09-0079	6326183	1397209	9-64	5	305	18,594	4.10	763	15	15,676	3.75	588	1-71		44	673	.04	31	46
35-09-0079	6725818	1443829	9-66	3	305	19,513	3.90	761	17	16,910	3.67	620	8-71		36	637	.05	31	45
35-09-0113	7139781	1387978	6-68	2	300	20,405	3.25	664	15	15,090	3.64	549	1-72		40	950	-.06	25	49
35-09-0161	6217586	1442477	11-64	5	301	20,270	4.20	852	21	15,518	4.01	623	8-71		36	845	.06	39	58
35-09-0161	6563910	1400836	7-64	5	305	20,390	4.18	853	22	16,086	3.94	634	12-71		34	693	.09	38	52
35-09-0161	6892562	1458744	3-67	2	305	21,000	3.53	741	29	15,250	3.91	596	5-71		40	1,042	-.04	31	57
35-09-0161	6892565	1442477	11-66	3	305	20,136	4.25	856	20	14,743	3.96	584	7-71		33	849	.07	41	59
35-09-0161	7103100	1473334	8-66	2	305	22,330	3.86	863	22	16,265	3.93	639	4-71		25	791	.01	30	49
35-09-0172	6917395	1442477	2-67	1	305	21,640	3.78	817	14	15,760	3.60	567	9-71		24	673	.02	27	43
35-10-0005	6296523	1373055	6-64	6	302	20,641	3.67	757	21	15,246	3.69	563	12-71		44	866	-.03	26	46
35-10-0014	6918320	1306247	9-67	2	305	18,990	3.61	685	17	14,975	3.69	553	6-71		40	824	-.02	26	46
35-10-0016	5929148	1199324	11-63	5	291	19,018	3.65	695	20	15,120	3.80	574	8-71		44	943	-.03	30	53
35-10-0017	6719829	1242221	9-66	3	305	18,640	3.83	713	30	15,867	3.83	608	7-71		41	952	.00	35	58
35-10-0017	7285650	1428104	11-68	1	231	21,500	3.98	856	9	16,330	3.80	621	10-71	B	35	879	-.04	25	47
35-10-0029	5960487	1406271	9-63	5	305	21,578	3.95	852	15	15,714	3.60	565	9-71		44	1,131	.09	55	79
35-10-0029	6936896	1469232	10-67	2	305	21,545	3.89	838	9	15,440	3.59	554	5-71		31	936	.02	37	59
35-10-0037	6516090	1268297	3-66	4	304	17,880	3.53	632	32	14,120	3.58	505	7-71		43	651	.04	30	44
35-10-0037	6788335	1261857	12-66	4	305	18,560	3.69	685	39	14,770	3.53	522	3-72		44	855	.07	42	60
35-10-0039	7566577	1489732	8-68	2	305	25,950	3.22	836	18	18,300	3.43	628	1-72		30	1,032	-.07	27	53
35-10-0044	6664495	1406271	7-66	3	305	18,267	3.36	614	17	15,673	3.30	517	4-71		42	684	.04	30	45
35-10-0044	7337884	1458744	12-68	2	180	23,660	2.93	694	17	18,670	3.64	680	1-72	B	40	1,000	-.12	18	45
35-10-0044	7461324	1427381	10-69	1	56	20,660	4.24	876	11	18,860	3.56	672	1-72	B	36	935	.11	50	69
35-10-0044	7572609	1427381	12-69	1	96	25,490	3.38	862	15	18,940	3.58	678	12-71	B	36	1,289	.02	49	79
35-10-0055	6091158	1384236	2-64	5	299	19,796	3.45	683	19	14,330	3.73	535	3-71		35	921	-.07	23	47
35-10-0055	6923767	1442271	9-66	2	305	20,845	3.54	738	11	14,110	3.65	515	5-71		30	868	-.02	28	49
35-10-0089	7177089	1497475	9-68	2	201	23,255	3.91	909	12	20,730	3.87	803	3-72	B	35	772	.03	32	50
35-10-0089	7194292	1366229	11-68	1	305	24,850	3.90	968	8	18,360	3.52	647	10-71		36	575	.10	36	47
35-10-0089	7398488	1366229	6-69	1	305	27,500	4.86	1336	13	20,540	3.66	752	1-72		36	627	.22	56	65
35-10-0298	7152975	1261857	5-68	2	305	16,235	4.03	655	16	13,880	3.83	531	10-71		40	639	.09	36	49
35-10-0298	7152977	1261857	9-68	2	305	15,875	3.89	617	18	13,825	3.86	534	10-71		40	607	.06	31	44
35-10-0345	6645411	1306247	7-66	4	305	17,085	3.65	624	19	14,203	3.61	513	12-71		43	743	-.01	25	43
35-10-0345	6788205	1306247	11-66	4	305	16,985	3.73	633	14	14,245	3.68	524	4-72		43	726	-.01	25	42
35-10-0345	7136044	1306247	8-68	2	305	18,560	3.64	675	13	15,255	3.64	556	1-72		40	755	-.01	25	43
35-10-0390	6504383	1268294	4-65	5	305	22,614	3.63	821	10	16,724	3.90	652	11-71		44	1,011	-.05	28	54
35-10-0772	6492575	1458169	10-65	4	282	20,650	4.01	828	24	16,497	3.80	627	10-71	B	35	787	.04	35	53
35-11-0001	5656190	1106334	12-61	5	299	16,656	4.19	698	21	13,704	3.58	491	1-72		44	418	.14	36	42
35-11-0001	7578205	1509724	7-69	1	305	21,400	3.79	810	27	13,340	3.70	494	8-71		19	756	.02	30	48
35-11-0011	6605362	1236789	7-66	4	305	18,415	3.86	711	14	15,005	3.69	554	1-72		43	744	.03	32	49
35-11-0011	7293701	1419376	12-68	1	305	18,990	4.11	781	19	14,680	3.72	546	4-71		35	527	.09	33	43
35-11-0011	7293702	1236789	4-69	1	305	20,620	3.83	789	25	15,950	3.70	590	10-71		35	716	.02	29	45
35-11-0021	7348281	1357797	10-68	2	305	18,985	3.77	715	34	16,380	3.74	612	12-71		40	503	.10	33	42
35-11-0021	7362757	1236789	10-68	2	298	22,655	3.12	706	28	16,305	3.75	612	12-71		40	997	-.08	23	49
35-11-0021	7474238	1357797	10-69	1	298	19,570	4.03	789	36	16,100	3.73	600	12-71		35	506	.13	38	46
35-11-0021	7474242	1236789	12-69	1	298	22,430	3.42	768	30	15,920	3.77	600	12-71		35	855	-.03	27	48
35-11-0033	6725139	1236789	9-65	4	305	16,497	4.36	720	18	13,495	3.95	531	3-71		43	675	.08	36	50
35-11-0033	7189717	1236789	2-68	2	305	18,945	3.86	732	13	14,040	3.92	550	9-71		40	827	.01	31	53

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C O	REPT (%)	.......C O W MILK (LB)	I N D E X....... FAT (%)	FAT (LB)	DOL-LARS
35-11-0033	7320225	1236789	10-68	1	305	18,280	4.40	804	15	13,910	3.85	536	8-71		35	678	.06	34	$ 48
35-11-0033	7320226	1236789	1-69	1	305	19,520	3.59	700	15	13,910	3.85	536	8-71		35	772	-.01	26	45
35-11-0038	6870370	1357797	5-67	3	305	17,727	3.88	687	13	13,990	3.75	524	9-71		42	640	.11	40	52
35-11-0038	7167523	1357797	6-68	2	305	18,050	3.85	695	15	14,325	3.76	539	11-71		40	596	.11	38	49
35-11-0042	6801863	1236789	10-66	4	303	17,067	3.54	604	12	13,095	3.73	489	11-71		43	791	-.02	26	45
35-11-0042	7321934	1236789	11-68	1	305	18,510	3.73	690	15	13,510	3.71	501	11-70		35	723	.01	27	44
35-11-0047	5980283	1410096	11-63	5	305	18,996	4.11	781	15	15,206	3.83	583	4-71		39	794	.11	45	61
35-11-0047	6786173	1406271	11-66	2	304	19,705	4.68	923	17	15,455	3.92	606	1-72		40	826	.15	52	68
35-11-0048	7344411	1357797	11-68	1	305	17,670	4.08	721	23	14,120	3.93	555	11-71		35	497	.12	36	45
35-11-0050	5583880	1189870	1-62	5	305	20,774	3.23	671	11	15,796	3.41	539	10-71		44	858	-.03	26	47
35-11-0092	6094014	1314767	3-64	2	303	20,545	4.04	831	23	16,575	3.72	616	12-71		40	560	.07	31	42
35-11-0092	6128736	1314767	7-64	2	305	21,405	4.06	869	29	16,400	3.73	612	12-71		40	663	.07	35	49
35-11-0092	6272044	1334642	10-64	2	305	22,115	4.15	918	17	16,145	3.56	574	7-71		40	736	.10	41	56
35-11-0092	6487645	1373055	11-65	2	305	24,355	3.14	764	14	17,535	3.47	608	4-71		40	894	-.09	18	42
35-11-0092	7396255	1428104	4-69	1	304	22,370	3.80	851	19	15,060	3.90	587	8-71		35	1,031	-.07	27	53
35-11-0208	7315320	1357797	10-68	2	222	18,990	3.63	689	23	16,550	3.56	590	11-71	B	40	488	.10	33	42
35-12-0003	6017012	1386406	11-63	6	302	19,605	3.69	723	17	16,165	3.59	580	4-72		44	693	.03	30	46
35-12-0003	6505628	1330987	10-65	5	305	17,666	4.19	741	25	15,986	3.66	585	11-71		44	516	.12	36	45
35-12-0007	6793303	1314767	5-65	5	303	18,968	3.43	651	48	13,066	3.66	478	1-72		44	870	-.01	30	51
35-12-0007	6913990	1314767	12-65	3	305	17,623	3.96	697	47	13,363	3.60	481	12-70		42	608	.07	32	45
35-12-0007	7460500	1314767	2-68	2	303	18,460	3.59	662	48	12,615	3.70	467	8-71		40	710	.02	28	44
35-12-0069	7635003	1427381	12-69	1	305	18,230	4.07	742	6	14,910	3.88	579	4-72		36	1,018	.06	46	69
35-12-0158	7018203	1374286	10-67	2	305	20,975	2.98	626	11	14,875	3.53	525	8-71		36	1,095	-.13	19	49
35-13-0018	7324643	1428104	12-68	2	305	20,290	3.73	757	16	17,015	3.49	594	2-72		40	806	-.04	23	43
35-13-0037	7545935	1450228	1-70	1	305	18,460	3.64	672	54	13,580	3.73	506	2-72		35	946	-.03	29	52
35-13-0037	7387878	1450228	9-69	1	291	16,840	3.70	623	55	13,810	3.69	509	10-71		35	807	-.03	25	45
35-13-0040	7410805	1428104	8-69	1	305	21,790	3.38	736	22	15,750	3.59	566	9-71		35	940	-.09	20	45
35-13-0040	7558412	1525369	10-69	1	305	20,020	3.75	751	19	15,430	3.56	550	12-71		29	730	.00	27	44
35-13-0040	7558414	1447414	1-70	1	305	20,450	4.00	818	12	15,490	3.65	566	2-72		35	993	.01	37	6[illegible]
35-13-0048	6430344	1316533	9-65	4	305	22,015	3.88	855	12	15,535	3.61	561	3-72		44	749	.07	37	53
35-13-0048	6664920	1476421	8-66	4	304	22,960	2.91	669	17	15,555	3.70	575	12-71		30	1,143	-.17	15	47
35-13-0050	6728104	1458744	10-66	3	305	20,930	3.35	702	19	16,443	3.56	585	5-71		42	974	-.04	29	53
35-13-0051	6654585	1261857	10-66	2	305	18,970	4.06	770	16	15,820	3.66	579	5-71		40	739	.11	43	58
35-13-0051	7204014	1399283	9-68	2	305	23,275	3.63	846	20	17,655	3.74	661	10-71		40	855	-.04	25	46
35-13-0051	7423976	1331709	7-69	1	305	27,100	3.28	888	23	17,540	3.77	661	9-71		36	983	-.09	22	48
35-13-0058	6444779	1236789	8-65	5	305	22,228	3.76	836	28	17,476	3.81	665	1-72		44	968	.01	36	59
35-13-0058	6754365	1236789	9-66	4	304	21,100	4.22	891	34	16,685	3.83	639	10-71		43	890	.06	45	64
35-13-0058	6754367	1236789	10-66	3	305	21,676	3.90	846	12	17,813	3.88	691	5-71		42	809	.02	32	51
35-13-0058	6754379	1070036	2-67	3	305	21,913	3.55	779	20	17,513	3.84	673	6-71		42	758	.01	29	47
35-13-0058	7005612	1357797	8-67	2	305	23,770	3.87	919	31	18,215	3.80	693	1-72		40	822	.11	47	63
35-13-0058	7005613	1357797	9-67	3	305	19,983	3.75	750	42	17,323	3.89	673	12-71		42	554	.08	32	43
35-13-0058	7190514	1236789	6-68	2	305	22,100	3.45	763	24	16,345	3.85	630	7-71		40	937	-.04	27	51
35-13-0058	7190522	1236789	11-68	1	305	21,600	3.60	777	14	17,040	3.75	639	6-71		35	716	-.01	25	42
35-13-0058	7190525	1419376	9-68	2	297	21,055	4.00	843	50	17,190	3.86	664	11-71		39	612	.08	34	46
35-13-0058	7510198	1236789	9-69	1	305	24,240	3.23	784	38	17,590	3.76	662	11-71		35	878	-.05	24	46
35-13-0058	7531073	1357797	8-69	1	305	21,460	3.97	852	41	18,380	3.74	688	1-72		35	494	.13	37	45
35-13-0058	7531075	1236789	8-69	1	305	22,510	3.47	782	33	16,710	3.82	638	9-71		35	807	-.03	25	45
35-13-0058	7559155	1236789	9-69	1	305	22,780	3.77	859	38	17,590	3.76	662	11-71		35	768	.01	29	47
35-13-0062	5934057	1321517	8-63	5	305	20,518	3.91	802	14	15,796	4.00	632	11-71		44	736	.00	26	44
35-13-0062	6571110	1236789	3-66	4	305	20,305	3.75	761	13	16,075	3.96	636	3-72		43	860	-.01	29	50
35-13-0072	6985272	1374286	12-67	2	305	19,610	3.67	720	18	13,935	3.57	498	7-71		36	1,039	-.04	32	58
35-13-0094	6575338	1472976	3-66	3	305	18,836	3.96	746	42	13,366	3.76	503	6-71		33	678	.05	32	47
35-13-0102	5506114	1357797	12-61	8	305	18,594	3.91	727	14	16,413	3.73	613	9-71		44	513	.12	36	45
35-13-0122	7555939	1428104	3-70	1	305	22,310	3.71	827	19	18,180	3.53	641	3-72		35	814	-.05	21	42
35-13-0123	7351303	1387978	12-68	1	305	19,310	3.70	714	11	16,030	3.49	560	6-71		36	686	.01	26	42
35-13-0125	6801413	1261857	1-67	3	305	17,217	3.52	606	18	14,080	3.54	498	2-72		42	748	.05	35	51
35-13-0127	6587601	1465313	6-66	3	305	18,317	3.68	674	14	14,827	3.49	517	3-71		36	683	.03	29	44
35-13-0128	7261533	1393997	3-69	2	301	19,975	3.96	792	16	16,625	3.72	619	3-72		40	651	.05	31	45
35-13-0128	7509436	1393997	8-69	1	305	22,420	3.57	800	13	16,400	3.69	605	9-71		35	775	.01	29	47
35-13-0136	6657789	1449138	10-65	4	302	19,610	3.76	738	9	14,892	3.74	557	2-71		35	813	.01	31	50
35-13-0136	6905805	1449138	11-66	4	305	19,205	3.84	738	11	14,962	3.76	562	1-72		35	746	.03	31	48
35-13-0137	6986467	1377954	10-67	2	305	20,770	3.49	725	15	15,715	3.66	575	2-71		40	879	.00	31	52
35-13-0162	6468885	1259069	12-65	4	305	20,460	3.51	718	11	15,245	3.61	550	3-71		44	785	-.04	22	42
35-13-0162	6987365	1259069	9-67	3	210	22,197	3.95	876	8	15,810	3.74	592	3-72	B	42	885	.02	35	56
35-13-0162	7477307	1399283	5-69	1	206	21,080	3.66	771	5	13,920	3.92	545	9-71	B	36	798	-.04	22	42
35-13-0293	6257112	1386406	12-64	5	303	16,330	3.37	550	19	12,160	3.57	434	5-71		44	735	-.02	24	42
35-13-0293	6560352	1314767	3-66	4	305	17,767	3.54	629	11	12,992	3.64	473	1-72		44	700	.01	27	43
35-13-0293	6699370	1386406	10-66	3	305	15,376	3.93	605	20	12,036	3.56	428	5-71		42	592	.06	30	43
35-13-0296	7467594	1516893	11-69	1	305	19,990	3.66	731	19	14,440	3.72	537	11-71		24	769	-.02	24	43
35-13-0297	7295339	1242221	11-68	2	292	18,290	3.50	640	5	15,830	3.68	582	4-72		38	900	-.02	29	51
35-13-0297	7459440	1427381	7-69	1	305	20,040	3.29	660	7	15,800	3.94	622	3-72		36	1,094	-.02	37	63
35-13-0308	6539932	1383004	11-65	2	305	19,375	3.87	750	9	13,670	3.81	521	9-71		40	532	.12	37	46
35-13-0308	7282480	1374286	6-67	2	305	24,520	3.40	833	5	16,050	3.64	584	2-72		36	1,362	-.09	35	70
35-13-0320	7433307	1397209	6-69	1	305	23,060	3.61	832	31	16,480	3.70	610	10-71		36	826	-.02	26	46
35-13-0320	7546163	1236789	12-69	1	305	20,950	3.93	823	57	16,510	3.83	633	2-72		35	703	.02	29	45
35-13-0324	6156250	1428104	7-64	5	305	19,514	3.22	628	12	14,128	3.50	495	12-71		44	1,113	-.11	23	53
35-13-0324	6756693	1465678	7-66	2	305	19,290	3.20	618	14	15,390	3.50	539	1-71		36	825	-.05	22	43
35-13-0326	6979999	1242221	9-67	2	294	17,810	3.71	661	15	16,260	3.76	612	2-71		38	810	-.01	28	48
35-13-0326	7115935	1242221	4-68	2	305	22,250	3.20	711	21	15,380	3.80	585	11-71		38	1,357	-.08	36	71
35-13-0329	6506390	1330987	3-66	3	230	17,233	3.42	590	19	13,383	3.47	465	1-72	B	42	720	.02	29	46
35-13-0330	5880600	1199324	7-63	7	303	17,233	4.03	694	13	14,639	3.76	550	10-71		44	768	.03	33	50
35-13-0336	7084449	1373055	9-67	3	305	22,106	3.47	768	20	14,836	3.59	533	2-72		42	1,005	-.05	28	53
35-13-0338	6986464	1261857	9-67	3	305	16,410	3.70	607	27	14,270	3.70	528	10-71		42	636	.06	32	46
35-14-0015	6421848	1462170	9-65	5	294	19,766	3.68	728	22	15,486	3.72	576	2-72		32	696	.00	25	42
35-14-0015	7013367	1387978	12-67	2	305	17,835	4.09	729	13	14,925	3.75	559	10-71		40	704	.04	31	47

TABLE 3. HOLSTEIN USOA-DHIA HIGH RANKING COWS (CONTINUEO).

COW'S LAST HERO COOE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	OAYS	MILK (LB)	FAT (%)	FAT (LB)	..HEROMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVO MO-YR	T C D	REPT (%)	........C O W I N O E X....... MILK (LB)	FAT (%)	FAT (LB)	OOL-LARS
35-14-0025	6685424	1473510	9-66	4	305	21,927	3.53	775	33	15,837	3.43	543	12-71		40	1,014	.00	36	$ 60
35-14-0025	6773024	1261857	12-66	3	305	18,853	3.30	623	23	16,033	3.28	526	7-71		42	734	.05	34	50
35-14-0025	6827275	1070036	1-67	3	305	20,590	3.10	638	36	16,403	3.39	556	1-71		42	721	-.01	25	42
35-14-0025	7337475	1477381	3-69	1	305	18,460	3.71	684	31	14,490	3.67	532	11-71		35	635	.03	28	42
35-14-0026	7156701	1387978	12-67	3	305	20,990	3.18	667	12	17,573	3.42	601	3-72		42	819	-.06	21	42
35-14-0038	7285925	1427381	8-68	2	305	17,065	3.70	631	19	14,670	3.70	543	1-72		40	967	.04	41	63
35-14-0041	6903801	1258673	10-67	3	304	19,580	3.93	770	22	14,390	3.75	540	12-71		42	439	.17	41	47
35-14-0046	7316269	1481894	10-68	2	305	24,850	3.55	882	14	16,535	3.68	609	10-71		29	1,232	-.03	39	69
35-14-0046	7316271	1481894	2-69	1	305	21,500	3.52	757	14	15,280	3.75	573	7-71		23	788	-.04	22	42
35-14-0046	7346832	1481894	1-69	1	305	19,310	4.39	847	15	15,080	3.76	567	6-71		23	606	.06	31	44
35-14-0046	7441881	1447414	10-69	1	305	22,450	3.27	734	23	17,600	3.57	628	12-71		35	1,000	-.06	27	52
35-14-0053	7371250	1236789	9-67	3	281	20,143	4.08	821	8	14,653	3.71	544	4-72	B	42	962	.07	45	66
35-14-0057	7306980	1357797	10-68	1	305	18,510	3.93	728	34	15,210	3.89	591	1-71		35	487	.11	34	43
35-14-0067	6856028	1236789	4-67	3	305	16,100	3.86	621	14	12,066	3.99	482	9-71		42	762	.00	28	46
35-14-0074	7230532	1387978	1-69	1	305	17,260	4.07	702	17	12,600	3.83	482	9-71		36	763	.02	30	48
35-14-0081	7502589	1458744	10-69	1	305	18,760	3.99	748	5	14,450	3.77	545	11-71		36	800	.02	32	50
35-14-0092	5531531	1189870	10-61	5	304	22,632	3.53	799	22	16,644	3.77	628	9-71		44	999	-.03	32	57
35-14-0092	6183635	1416074	7-64	5	299	20,718	3.74	775	20	16,300	3.62	590	4-71		38	878	.00	32	53
35-14-0092	6596446	1406271	4-66	4	305	18,158	4.41	801	22	16,525	3.81	629	10-71		44	590	.12	40	51
35-14-0092	7112488	1496750	1-68	2	305	27,220	3.85	1047	21	17,025	3.84	654	11-71		38	1,322	.02	51	82
35-14-0092	7219436	1505219	9-68	1	305	22,450	3.35	751	20	15,980	3.83	612	8-71		26	1,025	-.05	29	55
35-14-0093	7298673	1236789	11-68	1	305	17,620	3.81	671	12	13,360	3.68	492	6-71		35	666	.02	27	42
35-14-0096	6081543	1237057	3-64	4	298	20,215	3.82	773	40	16,255	3.66	595	4-71		44	775	-.01	27	46
35-14-0096	6228311	1400575	12-64	5	301	19,282	3.44	663	41	15,378	3.67	565	10-71		43	886	-.09	18	42
35-14-0096	6815386	1236789	9-66	2	305	22,880	3.28	750	49	17,040	3.64	620	4-71		40	953	-.05	27	51
35-14-0096	7125616	1483844	9-68	1	305	27,220	3.59	976	41	17,900	3.78	677	3-71		35	874	-.02	28	49
35-14-0096	7428677	1236789	7-69	1	305	20,610	3.85	793	52	16,950	3.64	617	11-71		35	647	.02	27	42
35-14-0101	6459601	1243697	1-66	4	305	20,888	3.92	819	25	15,108	3.86	583	2-72		44	614	.05	30	43
35-14-0102	7028077	1480411	10-67	3	305	21,337	3.59	766	32	14,707	4.15	611	1-72		29	950	-.07	24	48
35-14-0106	6849601	1357797	1-67	3	305	19,210	4.05	778	24	16,427	3.80	624	11-71		42	558	.13	40	50
35-14-0108	7317919	1357797	9-68	2	305	19,475	3.87	753	10	16,600	3.48	578	11-71		40	533	.14	40	49
35-14-0116	7500657	1427381	12-69	1	305	19,660	4.23	832	5	14,430	4.04	583	3-72		36	1,157	.07	53	79
35-14-0122	7336176	1427381	1-69	1	305	19,160	3.41	654	16	16,590	3.44	571	9-71		36	975	.03	40	62
35-14-0124	6733119	1458744	1-67	2	305	25,910	3.41	883	36	16,545	3.54	586	1-72		40	1,422	-.03	46	81
35-14-0124	7528003	1427381	3-69	1	305	20,850	3.43	716	38	16,320	3.58	585	9-71		36	1,119	.02	44	70
35-14-0145	5560044	1317923	10-60	5	297	19,146	3.49	668	11	14,946	3.55	530	4-71		36	739	.00	26	44
35-14-0145	6282787	1357797	12-64	5	305	17,020	3.94	671	13	14,006	3.66	513	12-71		44	590	.13	41	51
35-14-0161	7407188	1458744	3-69	1	305	20,680	3.79	784	13	16,190	3.66	593	10-71		36	827	.01	31	50
35-14-0161	7407189	1458744	3-69	1	305	20,090	3.37	677	13	16,190	3.66	593	10-71		36	783	-.03	23	43
35-14-0166	7022359	1357797	1-68	3	300	19,830	3.75	743	15	17,383	3.50	609	1-72		42	530	.13	38	47
35-14-0166	7140953	1357797	8-68	2	303	19,345	3.94	762	12	17,385	3.49	607	1-72		40	447	.15	39	46
35-14-0166	7279691	1357797	11-68	2	300	19,350	4.04	782	19	17,240	3.46	596	10-71		40	461	.17	42	48
35-14-0166	7279692	1357797	12-68	2	296	19,410	3.96	769	12	17,385	3.49	607	1-72		40	454	.15	39	46
35-14-0167	7271496	1357797	11-68	1	305	18,580	3.90	725	12	15,350	3.76	577	7-71		35	482	.12	35	43
35-14-0169	6678765	1261857	10-66	4	299	19,175	4.45	853	19	16,833	3.63	611	10-71		44	702	.18	53	65
35-14-0174	6464401	1258673	9-65	4	305	21,230	4.09	868	12	15,510	3.79	588	5-71		44	567	.19	49	57
35-14-0174	6721967	1261857	10-66	4	305	20,550	3.80	781	19	16,575	3.87	642	12-71		44	900	.06	41	61
35-14-0174	7252163	1392858	9-68	1	305	21,390	4.73	1011	18	17,590	3.84	676	12-71		36	510	.13	38	47
35-14-0176	6946724	1236789	11-67	3	305	19,556	4.04	790	15	16,226	3.93	638	12-71		42	729	.03	31	48
35-14-0186	6929367	1261857	3-67	3	305	18,463	4.10	757	20	16,420	3.95	648	9-71		42	650	.08	36	49
35-14-0186	7088154	1387978	3-68	2	305	27,065	3.01	816	15	17,865	3.74	668	1-72		40	1,373	-.12	30	66
35-14-0193	7509775	1357797	11-69	1	305	19,660	3.39	666	13	15,860	3.54	561	1-72		35	529	.09	32	42
35-14-0197	6062301	1259069	2-64	5	305	22,072	3.10	684	8	15,922	3.52	561	8-71		44	942	-.10	18	43
35-14-0199	6845142	1330987	3-67	3	305	22,003	3.99	878	9	16,890	4.05	684	7-71		42	905	.05	40	60
35-14-0199	7205089	1427381	7-68	2	305	21,840	3.52	768	15	17,690	4.06	719	10-71		40	1,176	-.02	39	68
35-14-0200	6236439	1357797	1-65	6	305	19,228	4.66	896	18	15,850	3.85	611	2-72		44	662	.23	59	68
35-14-0200	7103096	1357797	5-68	2	305	19,045	4.05	771	17	16,015	3.82	611	12-71		40	542	.13	39	48
35-14-0200	7534114	1357797	2-70	1	305	20,360	3.70	753	12	16,200	3.79	614	3-72		35	559	.09	34	45
35-14-0200	7534123	1427381	11-69	1	305	16,840	3.69	621	15	14,070	3.99	562	9-71		36	971	.03	39	61
35-14-0203	7083625	1236789	8-67	3	305	18,723	3.62	677	12	15,160	3.83	580	7-71		42	743	-.02	24	42
35-14-0203	7083630	1236789	1-68	2	305	20,350	3.30	672	13	15,705	3.81	598	11-71		40	817	-.06	21	42
35-14-0204	6292573	1236789	3-65	4	305	19,782	3.59	710	10	15,062	3.64	548	9-71		43	908	.00	32	54
35-14-0204	6292574	1357797	3-65	5	299	17,746	3.83	680	11	15,600	3.64	568	10-71		44	498	.12	36	45
35-14-0204	6801547	1236789	4-67	3	305	22,040	3.26	718	14	16,393	3.61	591	1-72		42	1,000	-.05	28	53
35-14-0207	6749178	1070036	12-66	3	304	17,153	4.01	688	48	14,423	3.70	533	11-71		42	531	.09	33	43
35-14-0208	6981159	1377954	9-67	2	305	17,960	4.04	725	14	14,115	3.98	562	6-71		40	740	.04	32	49
35-14-0208	7031447	1357797	1-68	2	305	18,685	4.11	768	16	14,755	3.96	584	12-71		40	621	.12	41	52
35-14-0208	7031448	1357797	2-68	2	305	17,690	3.87	685	15	14,650	3.95	579	11-71		40	529	.09	33	43
35-14-0212	6853897	1236789	8-67	2	305	19,735	3.56	702	19	15,165	3.76	570	12-70		40	804	-.02	26	46
35-14-0212	7204051	1236789	7-68	2	305	18,555	3.97	736	12	15,540	3.77	586	4-72		40	650	.03	28	43
35-14-0212	7204055	1070036	11-68	1	305	21,850	3.69	807	22	15,970	3.58	571	9-71		36	688	.06	34	49
35-14-0215	5842121	1400575	4-63	7	305	20,425	3.33	680	19	16,205	3.54	573	2-72		43	938	-.09	20	45
35-14-0215	6809040	1406271	1-67	3	305	18,963	3.75	711	14	16,080	3.38	544	10-71		42	722	.08	38	53
35-14-0215	7518263	1242221	5-68	2	305	22,175	3.19	708	15	16,470	3.56	587	2-72		38	1,246	-.06	36	67
35-14-0215	7915803	1427381	10-69	1	305	19,950	3.44	686	6	17,230	3.40	586	4-72		36	991	.04	42	64
35-14-0216	6053991	1055021	2-64	5	305	19,764	3.70	731	22	15,710	3.70	582	3-71		41	805	-.03	25	45
35-14-0220	6318440	1236789	1-65	4	305	19,095	3.94	753	11	15,260	3.84	586	2-72		43	801	.03	34	52
35-14-0224	6445611	1236789	9-65	4	299	19,700	3.53	695	6	15,325	3.84	588	12-70		43	869	-.03	26	48
35-14-0224	6921419	1236789	1-67	3	305	21,106	3.49	737	9	16,170	3.82	617	12-71		42	915	-.03	28	51
35-14-0224	7070861	1357797	12-67	2	305	18,960	3.36	638	9	14,570	3.85	561	8-71		40	666	.04	30	45
35-14-0224	7070862	1357797	1-68	2	305	16,735	4.17	698	8	14,735	3.79	559	6-71		40	424	.14	36	42
35-14-0224	7248006	1236789	7-68	2	305	20,415	3.38	690	7	15,855	3.91	620	2-72		40	810	-.05	21	42
35-14-0224	7464895	1357797	6-69	1	305	19,800	3.94	780	14	15,990	3.78	605	12-71		35	531	.12	37	46
35-14-0239	6618948	1377954	7-66	4	302	18,313	4.06	744	13	15,395	3.84	591	10-71		44	706	.06	34	49
35-14-0239	6858051	1377954	1-67	2	305	18,245	4.06	740	9	14,275	3.65	521	8-71		40	754	.06	37	53

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C D	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
35-14-0240	6237450	1424289	4-64	4	305	20,743	4.11	853	11	15,870	3.67	583	7-71		33	803	.11	46	$ 62
35-14-0240	6965489	1357797	4-67	1	305	21,050	3.97	835	17	15,280	3.70	566	9-71		35	674	.13	44	57
35-14-0241	7313990	1427381	3-69	1	305	22,300	3.88	866	24	17,690	3.78	668	9-71		36	1,135	.06	50	75
35-14-0242	6794237	1406271	1-67	3	305	20,327	3.39	690	13	16,957	3.63	616	3-71		42	788	.00	28	47
35-14-0357	7137152	1357797	7-68	1	305	20,290	3.40	690	10	14,470	3.82	553	4-71		35	671	.07	34	48
35-14-0369	6831362	1441298	1-67	3	305	18,756	3.10	581	9	16,276	3.54	576	3-71		40	948	-.12	16	42
35-14-0406	6238678	1386406	6-64	5	305	19,124	3.68	704	9	14,910	3.60	537	4-71		44	777	.03	32	50
35-14-0406	7268998	1458744	1-69	1	305	18,810	3.68	692	8	15,990	3.56	569	6-71		36	701	.00	26	43
35-14-0427	7010365	1236789	10-67	2	305	19,530	3.88	758	16	15,255	3.76	574	10-71		40	775	.03	32	50
35-14-0431	7336828	1236789	2-69	1	305	19,690	4.04	796	20	15,140	4.00	606	8-71		35	701	.02	28	44
35-14-0431	7425804	1357797	11-69	1	305	22,510	3.49	786	15	15,880	3.99	633	12-71		35	743	.06	36	52
35-14-0462	7537930	1427381	10-69	1	305	19,100	3.31	633	17	15,990	3.58	573	2-72		36	1,011	.02	39	63
35-14-0485	7596427	1447414	1-70	1	305	21,940	3.72	817	17	17,340	3.81	660	2-72		35	979	-.03	31	55
35-14-0560	6975460	1308101	8-67	3	298	16,063	4.09	657	18	13,843	3.73	516	2-72		42	807	.03	33	52
35-14-0560	7674624	1426616	10-69	1	305	16,860	4.11	693	15	13,480	3.84	517	3-72		33	662	.03	28	43
35-14-0584	6687697	1236789	8-65	5	305	18,418	3.80	700	9	15,460	3.79	586	9-71		44	707	.02	28	44
35-14-0587	7585749	1308101	7-69	1	305	22,030	3.50	770	8	17,650	3.62	639	11-71		36	965	-.04	29	53
35-14-0609	6892923	1236789	7-67	3	298	18,290	3.82	698	15	15,650	3.64	570	11-71		42	641	.03	28	42
35-14-0609	6992015	1357797	10-67	3	305	19,843	3.99	792	9	17,137	3.52	604	2-72		42	557	.16	44	53
35-14-0609	7152991	1357797	2-68	2	305	20,045	3.62	725	12	15,705	3.64	571	8-71		40	673	.09	38	52
35-14-0615	7655485	1357797	9-69	1	305	19,850	3.48	690	12	15,170	3.62	549	11-71		35	590	.08	34	46
35-14-0629	7040297	1490929	10-67	2	305	16,190	4.11	666	17	12,835	3.41	438	6-71		28	548	.10	34	44
35-14-0629	7289645	1490929	8-67	2	304	17,450	3.79	662	20	13,475	3.49	470	5-71		28	631	.05	30	44
35-14-0756	7420793	1236789	8-69	1	305	18,710	3.91	731	5	13,910	4.10	571	9-71		35	711	.00	26	43
35-14-0757	6604785	1261857	9-66	4	300	17,800	3.97	706	19	15,013	3.76	565	1-72		44	734	.09	40	55
35-15-0007	6688304	1397209	12-66	3	305	18,146	3.25	589	14	13,113	3.47	455	1-72		42	855	-.06	22	44
35-15-0017	6945029	1214317	5-67	3	303	24,143	3.57	861	18	17,800	3.84	683	11-71		42	988	-.04	30	55
35-15-0017	7286787	1383004	9-68	1	305	23,250	4.16	968	20	17,630	3.90	688	10-71		36	400	.15	36	42
35-15-0023	6844749	1366229	2-67	3	305	15,570	4.16	647	21	11,566	3.74	433	2-72		42	485	.10	33	42
35-15-0025	6356581	1436236	4-65	5	305	17,148	4.09	702	18	12,888	3.69	475	12-71		32	652	.08	36	49
35-15-0031	6309866	1397209	10-64	6	305	20,815	4.07	847	14	18,630	3.68	686	4-72		44	616	.06	31	44
35-15-0031	6477458	1366229	10-65	4	305	22,727	3.99	907	14	18,705	3.72	695	3-72		44	605	.11	38	49
35-15-0031	6562751	1397209	2-66	4	305	22,937	3.62	830	14	18,607	3.58	666	11-71		44	871	-.01	30	51
35-15-0031	6923187	1366229	10-67	2	305	24,935	3.74	933	14	19,310	3.61	697	11-71		40	680	.08	36	50
35-15-0033	6650517	1383926	10-66	4	301	21,155	3.72	786	26	17,602	3.64	640	12-71		44	682	.04	30	45
35-15-0095	6411822	1397209	1-65	5	303	18,176	3.59	653	13	13,666	3.60	492	2-72		44	852	-.02	28	49
35-15-0127	6679184	1366229	10-66	2	305	20,040	4.03	808	25	16,145	3.61	583	8-71		40	472	.11	34	42
35-16-0031	6921021	1377954	3-66	3	305	18,823	3.77	710	8	14,930	4.01	599	5-71		42	795	.00	28	47
35-16-0031	6982597	1261857	3-67	2	298	16,770	4.41	740	6	14,550	3.90	568	5-71		40	632	.12	41	53
35-16-0031	6982598	1261857	11-67	3	297	18,590	4.28	795	8	15,730	3.92	617	1-72		42	736	.12	44	58
35-16-0031	7079785	1261857	11-67	2	305	17,925	3.92	703	6	14,680	3.86	566	4-71		40	737	.07	37	53
35-17-0009	5901934	1314767	7-63	6	305	19,053	3.76	716	11	13,938	3.87	539	6-71		44	779	.02	31	49
35-17-0009	7297353	1428104	9-68	2	305	18,255	4.25	776	19	15,590	3.86	602	12-71		40	729	-.02	24	42
35-17-0012	6376284	1314767	2-65	4	305	19,667	3.57	703	16	14,042	3.68	517	7-71		44	818	.01	31	50
35-17-0016	5590741	1326186	9-61	7	304	19,848	3.56	706	23	14,474	3.89	563	6-71		36	848	-.05	23	45
35-17-0016	6864708	1330987	12-66	3	298	18,913	3.98	752	28	14,710	4.04	594	6-71		42	776	.04	34	51
35-17-0019	6691058	1458744	9-66	4	302	22,702	3.51	796	33	16,747	3.85	645	11-71		44	1,189	-.05	35	65
35-17-0019	7201929	1428104	11-68	2	305	24,095	3.53	851	32	17,045	3.87	660	1-72		40	1,191	-.10	27	58
35-17-0031	6664348	1465471	4-66	2	305	20,025	4.05	811	14	15,075	3.95	595	2-71		29	583	.07	31	43
35-17-0073	6312238	1437852	2-65	5	305	17,862	3.78	675	21	14,342	3.70	531	9-71		36	651	.04	29	44
35-17-0073	6765560	1330987	2-67	3	305	18,690	3.83	716	17	14,787	3.70	547	8-71		42	742	.05	35	51
35-17-0079	7464557	1427381	12-69	1	302	19,510	3.44	671	16	17,050	3.78	644	12-71	H	36	970	.01	37	60
35-17-0084	7200523	1428104	9-68	2	305	22,690	3.27	741	14	15,475	3.77	583	4-72		40	1,192	-.13	23	55
35-17-0084	7200524	1428104	10-68	1	305	22,910	3.25	744	14	16,040	3.72	596	2-71		35	1,005	-.12	18	45
35-17-0107	6412802	1314767	9-65	2	302	22,440	3.51	787	11	15,555	3.92	609	3-72		40	845	-.02	27	48
35-17-0121	7425731	1387978	11-69	1	305	20,840	3.33	694	27	16,410	3.46	567	1-72		36	774	-.03	24	43
35-17-0478	7314468	1399283	5-69	1	305	24,560	3.36	826	27	15,310	3.70	566	11-71		36	964	-.06	25	50
35-17-0478	7314472	1495135	2-69	1	275	20,160	3.42	689	29	15,450	3.66	566	10-71		32	753	.03	31	48
35-18-0001	7399935	1447414	8-69	1	282	16,590	3.32	551	18	13,370	3.96	529	9-71		35	845	-.07	20	42
35-18-0001	7399936	1447414	8-69	1	299	18,820	3.43	645	14	12,970	4.10	532	7-71		35	1,041	-.07	26	53
35-18-0012	6254907	1427848	10-64	5	305	17,364	4.75	824	32	14,338	4.05	581	9-71		35	503	.17	43	51
35-18-0058	6501585	1432742	1-66	3	240	19,810	3.51	695	6	12,866	3.66	471	12-71	B	33	944	.00	34	56
35-18-0058	6954854	1432844	10-67	2	231	17,170	3.87	664	7	12,695	3.54	450	10-71	B	31	724	.03	31	47
35-18-0227	6977517	1464070	10-67	3	302	20,873	3.56	744	18	15,490	3.58	554	11-71		33	740	.00	26	44
35-20-0002	7510999	1419376	12-69	1	305	20,070	4.12	827	17	15,850	3.70	586	1-72		35	529	.10	34	44
35-20-0018	6827487	1377954	5-67	3	304	19,643	3.59	706	7	14,963	3.68	550	11-71		42	886	.01	33	54
35-20-0022	6698585	1448297	11-66	4	303	20,790	3.52	732	33	17,200	3.39	583	1-72		42	802	-.02	26	46
35-20-0031	7121688	1387978	6-68	2	305	19,895	3.83	762	30	14,355	3.92	563	12-71		40	966	-.01	34	57
35-20-0031	7380446	1387978	10-68	1	305	17,890	4.33	775	36	14,740	3.87	570	11-71		36	667	.04	30	45
35-20-0034	7333311	1419376	12-68	2	301	20,340	3.59	730	27	15,875	3.63	576	11-71		39	660	.04	30	45
35-20-0065	7129748	1427381	7-68	1	305	20,410	3.55	724	9	15,540	3.56	553	4-71		36	1,139	.04	47	73
35-20-0076	6641819	1236789	1-65	4	300	17,955	3.63	651	10	15,202	3.49	531	2-72		43	665	.02	27	42
35-20-0076	7096823	1236789	4-67	3	304	18,580	3.72	691	10	13,566	3.80	516	11-71		42	894	.00	33	54
35-20-0088	6964099	1473442	1-68	2	305	20,270	3.32	672	33	15,470	3.67	568	7-71		39	863	-.08	19	42
35-20-0088	7232052	1477381	1-69	2	305	19,445	4.06	790	27	16,545	3.59	594	3-72		39	633	.09	36	49
35-20-0088	7436720	1387978	11-69	1	305	22,630	3.38	765	31	16,930	3.59	607	1-72		36	873	-.03	27	49
35-20-0091	6191524	1429641	11-64	5	302	20,304	3.29	667	19	15,104	3.62	547	1-72		35	902	-.07	22	45
35-20-0091	6471964	1429641	6-65	4	305	18,050	3.83	691	16	14,170	3.68	522	12-71		33	665	.03	28	43
35-20-0091	7245110	1357797	5-68	2	305	21,850	3.24	708	18	15,450	3.60	556	3-72		40	880	.04	38	58
35-20-0091	7447728	1357797	11-69	1	305	19,330	3.85	744	8	16,080	3.68	592	4-72		35	489	.12	35	44
35-20-0102	5948949	1408717	5-63	6	301	18,967	3.92	744	21	16,147	3.52	568	9-71		36	598	.08	33	45
35-20-0102	5948951	1408717	10-63	7	300	19,619	3.81	747	26	16,607	3.54	588	1-72		36	633	.05	31	45
35-20-0102	7171763	1236789	11-66	4	305	21,127	3.54	747	34	17,230	3.55	611	1-72		43	833	.00	30	50
35-20-0107	5889144	1357797	11-62	5	305	17,720	3.52	624	24	14,822	3.56	527	7-71		44	586	.08	33	45
35-20-0107	6098797	1236789	2-64	5	305	19,196	3.56	683	15	14,468	3.59	519	8-71		44	925	.00	33	55

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C O	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
35-20-0107	7026067	1357797	10-67	2	305	19,750	3.61	712	19	15,210	3.46	527	6-71		40	688	.11	41	$ 54
35-20-0107	7150179	1357797	1-68	1	305	18,800	3.57	671	16	14,260	3.74	534	2-72		35	573	.09	34	45
35-20-0110	6360151	1357797	2-65	4	236	19,838	4.13	819	14	16,348	3.70	605	3-71		43	664	.17	49	60
35-20-0110	6958033	1236789	1-67	3	305	19,240	3.91	753	12	15,696	3.70	581	7-71		42	747	.04	33	50
35-20-0110	7565958	1236789	8-68	2	305	19,805	4.02	797	11	16,075	3.76	604	2-72		40	728	.04	33	49
35-20-0112	6495107	1375016	9-65	4	303	21,440	3.25	697	5	15,630	3.56	557	9-71		37	1,043	-.08	25	52
35-20-0119	6699814	1455088	8-66	2	305	22,245	3.69	820	17	17,270	3.66	632	12-70		32	780	.01	30	48
35-20-0119	7231562	1236789	12-68	2	305	22,505	3.32	748	18	16,800	3.71	623	3-72		40	937	-.05	26	50
35-20-0149	6174860	1276654	8-64	5	304	20,054	3.77	757	21	15,742	3.55	559	6-71		44	696	.03	30	46
35-20-0149	6615982	1236789	4-66	4	305	18,930	3.92	743	16	16,035	3.54	568	4-72		43	693	.06	34	49
35-20-0149	7882163	1387978	9-69	1	305	23,600	3.23	763	13	15,880	3.75	595	12-71		36	1,015	-.06	27	53
35-20-0158	6298125	1236789	11-64	4	303	17,937	3.54	635	21	14,007	3.71	520	8-71		43	797	-.02	26	45
35-20-0158	6359350	1236789	3-65	4	304	17,842	3.58	638	33	14,335	3.78	542	11-71		43	748	-.02	24	42
35-20-0158	7561786	1419376	5-68	2	305	19,580	3.68	721	35	14,675	3.93	576	1-72		39	693	.03	29	45
35-20-0158	7561787	1419376	6-68	1	305	20,710	3.62	750	39	15,320	3.83	586	1-71		35	614	.04	28	42
35-20-0185	6331267	1439609	10-64	4	299	19,170	3.68	705	9	14,093	3.85	543	5-71		30	767	-.02	25	44
35-20-0187	6906493	1487039	6-67	3	305	19,027	4.17	794	20	15,957	3.73	595	12-71		31	543	.09	33	44
35-20-0187	7122564	1387978	5-68	2	305	19,690	3.58	734	33	15,870	3.73	592	11-71		40	807	-.03	25	45
35-20-0187	7389853	1427381	12-68	1	305	19,480	3.87	753	10	16,420	3.56	584	4-71		36	1,010	.07	47	69
35-20-0190	5418028	1357797	5-61	8	305	18,528	3.97	736	8	16,900	3.57	603	4-71		44	447	.15	39	46
35-20-0190	5964585	1236789	7-63	6	305	19,336	3.94	761	9	16,146	3.65	590	8-71		44	747	.05	35	51
35-20-0200	6959530	1487040	7-67	3	305	23,943	2.99	716	16	15,393	3.59	553	10-71		32	1,402	-.11	33	70
35-20-0200	6959531	1487040	9-67	3	305	18,053	4.44	802	15	15,486	3.60	558	11-71		32	587	.15	44	54
35-20-0200	7327518	1487040	12-68	1	305	21,850	3.41	745	16	16,180	3.63	587	5-71		23	781	-.01	27	46
35-20-0200	7327520	1487040	12-68	1	305	22,780	3.29	749	16	16,310	3.59	585	7-71		23	854	-.02	27	48
35-20-0208	6209284	1236789	12-64	4	305	20,095	3.53	709	15	15,287	3.83	585	9-71		43	922	-.03	28	51
35-20-0208	6769219	1236789	2-67	2	305	23,980	3.66	878	17	16,200	3.88	628	9-71		40	1,142	-.01	39	67
35-20-0209	7014099	1236789	9-67	3	305	19,223	3.78	727	10	16,666	3.61	601	11-71		42	644	.03	28	42
35-20-0209	7014101	1236789	11-67	3	305	21,006	3.39	713	8	16,923	3.47	588	2-72		42	824	-.01	28	48
35-20-0209	7149545	1357797	9-68	2	305	21,310	4.02	856	10	17,075	3.55	606	11-71		40	676	.16	48	60
35-20-0209	7254457	1400575	10-68	2	305	21,010	3.49	734	8	16,430	3.73	613	11-71		39	883	-.09	18	42
35-20-0227	7243305	1357797	7-68	2	305	17,820	3.73	664	11	15,190	3.65	555	2-72		40	493	.10	33	42
35-20-0230	7605644	1357797	1-70	1	305	18,980	3.98	755	18	14,510	3.80	551	4-72		35	570	.12	39	49
35-20-0232	7448379	1427381	7-69	1	305	20,550	3.31	680	23	16,490	3.57	588	10-71		36	1,085	.01	41	66
35-20-0236	7247253	1507280	10-68	2	305	22,465	3.67	825	13	16,450	3.79	624	1-72		29	985	-.03	31	55
35-20-0246	7595701	1383926	11-69	1	305	20,510	4.17	855	9	16,850	3.57	602	3-72		36	521	.09	32	42
35-20-0253	5764573	1357797	11-62	7	304	21,206	3.99	846	11	16,331	3.75	613	3-71		44	863	.14	52	69
35-20-0253	6361793	1357797	7-65	5	301	18,438	4.08	753	7	16,510	3.82	631	9-71		44	481	.14	38	46
35-20-0253	7031085	1357797	3-68	2	305	19,445	4.21	819	10	16,140	4.00	646	5-71		40	572	.14	41	51
35-20-0253	7338348	1236789	4-69	1	305	22,200	3.87	859	13	17,560	3.87	680	9-71		35	726	.01	28	45
35-20-0263	7029915	1236789	3-68	2	305	17,980	4.06	730	23	14,180	3.91	555	8-71		40	716	.03	31	47
35-20-0264	6000929	1236789	12-63	5	305	22,246	4.02	895	10	14,792	3.85	569	1-72		44	1,285	.06	55	84
35-20-0264	6491802	1236789	11-65	3	305	19,866	3.53	702	9	15,276	4.03	616	11-71		42	864	-.05	24	46
35-20-0264	6831438	1236789	1-67	3	305	17,490	3.82	668	15	14,210	3.91	555	3-71		42	699	.01	26	42
35-20-0273	6246171	1294703	11-64	6	302	18,915	3.56	674	14	15,888	3.56	565	2-72		44	767	-.03	23	42
35-20-0273	6246175	1294703	12-64	5	305	20,542	3.29	676	10	15,518	3.64	565	10-71		44	1,023	-.09	23	50
35-20-0275	7226160	1357797	10-68	2	305	18,405	3.71	682	13	15,850	3.61	572	12-71		40	492	.11	34	43
35-20-0437	6339001	1330987	1-65	5	305	17,694	3.88	686	7	14,420	3.57	515	8-71		44	701	.08	37	52
35-20-0468	7393958	1394655	11-67	3	305	22,506	3.28	739	6	15,400	3.64	561	3-72		42	1,021	-.14	15	43
35-20-0500	7135021	1386406	4-68	3	303	21,436	3.28	703	12	16,143	3.62	585	3-72		42	864	-.04	25	47
35-20-0507	6685789	1377954	11-66	3	305	17,370	4.21	731	18	15,257	3.65	557	7-71		42	594	.09	35	47
35-20-0507	7117835	1387978	8-68	2	305	20,860	3.04	635	19	15,650	3.74	585	1-72		40	945	-.10	19	44
35-20-0543	6958032	1236789	12-66	3	291	21,923	3.29	722	5	16,796	3.89	653	11-71		42	945	-.08	22	47
35-20-0543	6993403	1236789	1-67	2	305	22,435	3.43	769	5	16,610	3.97	660	12-71		40	947	-.06	25	49
35-20-0576	5323160	1345117	9-60	5	305	20,744	3.80	789	16	15,344	3.40	522	12-71		35	867	.06	40	59
35-20-0576	5872360	1357797	12-62	7	305	19,013	3.70	703	23	15,791	3.46	547	11-71		44	640	.12	41	53
35-22-0001	6457872	1245390	4-65	5	305	20,670	3.24	669	31	14,368	3.71	533	12-71		43	1,129	-.13	21	51
35-22-0001	6457873	1245390	8-65	4	305	19,873	3.07	610	11	13,570	3.69	501	6-71		42	1,089	-.14	17	47
35-22-0025	6787654	1314767	11-66	3	305	18,510	3.95	731	10	14,276	3.59	513	11-71		42	616	.07	33	46
35-22-0047	6030821	1309768	3-64	6	301	16,262	3.70	602	11	12,440	3.56	443	11-71		37	716	.01	28	45
35-22-0047	7088445	1427381	3-68	2	305	16,695	3.56	595	22	13,165	3.58	471	11-71		40	1,067	.04	44	68
35-22-0047	7457994	1427381	8-69	1	305	17,860	4.26	760	27	13,540	3.57	484	1-72		36	1,083	.10	54	77
35-22-0052	5230522	1344372	7-60	8	305	21,536	4.06	875	12	16,525	3.62	598	5-71		36	763	.11	44	59
35-22-0052	6283802	1271810	11-64	4	305	23,105	3.40	786	16	17,223	3.74	644	7-71		44	1,048	-.09	24	51
35-22-0056	6262335	1383004	3-65	5	300	20,308	3.87	785	18	15,640	3.63	567	1-72		44	581	.13	41	51
35-22-0065	6353752	1386406	8-65	2	305	20,180	3.57	720	12	15,420	3.83	591	2-72		40	737	-.01	25	43
35-22-0066	6996774	1386406	7-66	3	305	19,243	3.22	619	14	14,016	3.65	512	5-71		42	832	-.05	23	44
35-22-0072	6142247	1404780	7-64	6	296	19,813	3.92	776	13	15,885	3.78	600	11-71		36	650	.06	32	46
35-22-0072	6498815	1329588	3-66	4	305	20,448	3.73	762	17	15,733	3.79	596	12-71		44	795	-.01	27	46
35-22-0088	5469211	1315609	5-61	7	305	20,080	3.48	698	10	16,377	3.48	570	3-71		36	705	.00	26	43
35-22-0225	6826592	1261857	3-67	1	305	21,880	4.21	922	16	18,280	3.64	665	9-71		36	728	.12	45	59
35-22-0225	7354215	1493686	5-69	1	305	21,910	3.99	874	25	18,340	3.66	672	1-72		35	724	.07	37	52
35-22-0261	7402958	1458744	5-69	1	305	19,740	3.64	719	14	16,070	3.68	592	12-71		36	765	-.01	26	44
35-22-0383	7187250	1377052	11-68	2	305	22,570	4.12	931	21	17,075	3.70	631	1-72		40	736	.08	38	53
35-22-0493	6740240	1465678	10-66	3	224	18,673	3.91	730	14	14,876	3.80	565	3-71		38	854	.02	34	54
35-22-0497	6976767	1377954	12-67	2	305	19,010	3.38	643	14	15,170	3.63	550	11-71		40	750	-.01	25	43
35-22-0529	6990648	1493686	10-67	2	305	16,645	3.78	629	17	13,765	3.56	490	2-72		40	686	.05	33	48
35-22-0529	7368453	1427381	4-69	1	305	19,030	3.35	637	29	12,810	3.63	465	9-71		36	1,219	.01	46	75
35-22-0529	7411871	1383004	11-67	2	288	19,030	3.70	705	29	14,040	3.50	492	11-71		40	463	.12	35	43
35-23-0010	6498898	1452812	2-66	5	298	19,112	3.70	707	20	14,206	3.77	536	3-72		32	775	.00	28	46
35-23-0010	6840168	1458744	5-67	3	302	16,420	3.98	654	24	14,566	3.78	550	8-71		42	650	.02	27	42
35-23-0012	5883309	1408166	7-63	5	305	20,724	3.85	798	30	16,974	3.57	606	3-71		35	689	.08	37	51
35-23-0012	6057600	1199324	1-64	6	305	21,210	3.48	739	27	16,208	3.72	603	10-71		44	1,099	-.05	32	60
35-23-0012	6259023	1314767	11-64	6	303	22,916	3.55	814	31	17,888	3.56	636	2-72		44	819	.02	32	51
35-23-0012	6694275	1314767	3-65	4	284	19,957	3.46	691	17	15,410	3.50	539	1-71		44	701	.01	27	43

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C D	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
35-23-0012	7224114	1386406	12-68	2	305	25,170	3.15	794	34	18,370	3.60	662	1-72		40	974	-.06	26	$ 51
35-23-0022	6806405	1465678	1-67	1	305	19,220	4.33	832	42	15,680	3.77	591	4-71		31	717	.05	34	50
35-23-0022	7034224	1495881	3-68	2	305	18,545	3.74	693	25	14,920	3.75	560	12-71		37	850	-.02	27	48
35-23-0024	7149820	1377052	7-68	2	305	19,990	3.16	631	11	12,860	3.79	488	12-71		40	859	-.07	20	42
35-23-0025	6953129	1467712	8-67	2	305	19,395	3.74	725	34	13,880	3.78	524	1-71		30	709	.00	26	43
35-23-0026	7154197	1487834	3-68	2	305	20,700	3.71	768	52	14,160	3.84	544	9-71		29	919	.01	34	56
35-23-0029	6772172	1377954	11-66	3	305	18,760	3.76	706	13	16,470	3.62	597	8-71		42	629	.04	28	42
35-23-0032	5783763	1242667	10-62	4	305	21,490	4.02	864	20	16,813	3.65	614	8-71		43	690	.07	35	50
35-23-0032	6534170	1428104	10-64	5	305	23,868	3.64	868	19	16,750	3.68	617	12-71		44	1,373	-.06	40	74
35-23-0032	7431908	1236789	2-69	1	305	24,190	3.30	798	16	17,010	3.93	668	4-71		35	914	-.06	24	47
35-23-0034	6381921	1314767	4-65	4	305	19,700	3.74	736	15	15,350	3.77	578	2-71		44	676	.02	28	43
35-23-0034	6575121	1242221	6-66	3	305	17,397	3.95	687	15	15,663	3.78	592	1-71		41	826	.03	34	53
35-23-0034	7031292	1495881	3-68	2	305	24,985	3.14	785	17	16,440	3.70	608	9-71		37	1,391	-.12	32	68
35-23-0039	6169111	1386406	7-64	4	301	15,815	4.05	641	8	12,887	3.48	448	8-70		44	573	.08	33	44
35-23-0040	6037787	1409413	2-64	5	301	19,966	3.53	705	13	15,406	3.63	559	4-71		35	821	-.01	28	48
35-23-0040	6619642	1242221	7-66	3	305	17,663	3.70	653	14	16,107	3.66	590	5-71		41	811	.00	30	49
35-23-0040	7454463	1242221	4-69	1	227	20,540	3.34	686	19	14,320	3.62	519	8-71	8	34	1,150	-.03	37	65
35-23-0042	7077720	1495881	1-68	2	305	18,355	3.57	656	15	13,800	3.66	505	9-71		37	938	-.04	28	51
35-23-0046	6408815	1242221	9-65	4	305	19,058	3.25	619	20	14,113	3.67	518	1-72		42	1,217	-.06	34	65
35-23-0046	6908892	1347448	6-67	2	305	19,300	4.15	801	23	13,705	3.72	510	9-70		40	662	.08	37	51
35-23-0047	7667614	1393997	8-69	1	305	18,560	3.72	691	6	13,540	3.85	521	11-71		35	678	.01	26	42
35-23-0048	6432862	1242221	7-65	4	305	19,320	3.98	768	21	14,680	3.81	559	3-71		42	1,186	.03	48	75
35-23-0048	6765250	1450780	12-66	3	305	18,760	3.92	735	10	14,926	3.69	551	12-71		39	590	.03	29	45
35-23-0048	7025692	1495881	12-67	2	305	20,025	3.18	637	20	15,805	3.78	598	4-71		37	923	-.11	17	42
35-23-0048	7200062	1242221	8-66	3	305	17,720	3.98	705	18	15,640	3.77	590	3-71		41	867	.03	36	56
35-23-0052	6383944	1495881	10-67	2	305	18,540	3.62	672	16	14,170	3.68	522	4-71		37	922	-.03	28	51
35-23-0057	6687264	1261857	12-66	3	305	17,963	3.85	691	17	15,157	3.64	551	7-71		42	723	.09	39	54
35-23-0057	6904866	1261857	5-67	2	305	19,150	3.63	695	21	14,815	3.69	546	9-71		40	849	.05	38	57
35-23-0059	7302662	1428145	10-68	1	305	21,060	3.51	739	15	14,280	3.79	541	5-71		35	852	-.07	20	42
35-23-0074	7342921	1458744	2-69	1	305	17,480	3.71	649	23	14,270	3.55	507	9-71		36	717	.01	27	44
35-23-0075	6776507	1261857	1-67	3	300	17,770	3.81	677	29	14,923	3.70	552	4-71		42	725	.07	37	52
35-23-0076	5805142	1189870	8-62	6	305	19,523	4.00	780	11	16,590	3.76	623	11-71		44	604	.05	30	43
35-23-0076	7483316	1495881	6-69	1	305	18,250	4.24	773	20	15,140	3.96	500	8-71		33	744	.01	28	46
35-23-0084	6249445	1329588	8-64	5	305	18,662	3.64	679	20	14,542	3.62	526	6-71		44	727	-.01	25	43
35-23-0091	6811543	1330987	1-67	4	296	18,710	3.39	634	23	13,865	3.41	473	2-72		44	874	.02	34	54
35-23-0095	5967401	1495881	1-68	2	305	16,930	3.94	667	15	14,485	3.67	531	3-72		37	720	.01	27	44
35-23-0099	6119782	1370467	5-64	6	305	20,346	3.42	695	15	14,983	3.80	570	1-72		36	885	-.07	21	44
35-23-0102	6443575	1330987	8-65	3	299	19,043	3.44	655	11	15,323	3.67	563	6-71		42	727	.00	26	43
35-23-0102	6576212	1330987	1-66	4	305	23,098	3.42	790	11	15,773	3.89	613	2-72		44	1,203	-.03	38	68
35-23-0102	6826434	1377954	12-66	3	305	21,723	3.78	821	10	16,133	3.76	606	5-71		42	1,004	.02	40	63
35-23-0102	6998255	1261857	11-67	2	305	16,830	4.13	695	8	15,330	3.78	580	8-71		40	567	.10	35	46
35-23-0102	7473445	1399283	5-68	1	305	24,090	4.05	976	13	17,250	3.75	647	2-72		36	799	.01	30	49
35-23-0103	5908698	1417085	9-63	4	305	23,535	3.24	762	7	15,295	3.70	566	9-71		30	1,266	-.09	31	64
35-23-0103	6004062	1286632	8-62	7	305	19,620	3.80	745	8	15,592	3.67	5,3	12-71		40	769	.05	35	52
35-23-0109	5864695	1386406	10-62	6	305	18,185	3.44	626	17	14,085	3.71	522	1-72		44	751	-.02	24	42
35-23-0109	6040903	1386406	3-64	5	305	17,480	3.89	680	19	14,458	3.73	539	3-71		44	617	.04	29	42
35-23-0109	6591679	1386406	2-65	4	305	19,192	3.68	707	17	14,477	3.75	543	3-72		44	813	.01	31	50
35-23-0109	6598492	1386406	4-65	4	305	17,272	4.08	704	16	14,132	3.74	529	9-71		44	614	.07	32	45
35-23-0109	6856030	1386406	9-65	3	299	18,216	3.49	636	23	13,950	3.71	517	12-70		42	721	-.01	25	42
35-23-0112	5633225	1286632	10-61	8	281	20,278	3.59	728	10	15,373	3.66	563	12-71	B	40	888	.01	34	55
35-23-0112	6590675	1357743	4-66	4	294	20,845	3.47	723	6	14,313	3.79	542	7-71	B	44	907	-.06	23	46
35-23-0169	6506182	1428104	1-66	4	302	19,555	3.36	657	10	15,652	3.65	571	4-71		43	922	-.11	17	42
35-23-0169	7282845	1428104	4-69	1	305	22,280	2.87	640	12	14,490	3.43	497	10-71		35	1,063	-.14	17	46
35-23-0170	6769610	1386406	10-66	2	305	18,330	3.90	714	16	15,325	3.41	522	10-71		40	558	.07	31	42
35-23-0176	7466048	1427381	7-69	1	305	20,650	3.76	776	9	15,990	3.54	566	2-72		36	1,126	.06	50	75
35-23-0235	7129897	1450780	6-68	1	305	21,040	3.57	751	25	14,540	3.59	522	5-71		33	759	-.01	26	44
35-23-0279	6979215	1340861	10-66	3	299	18,030	4.10	739	16	15,603	3.81	594	10-71		38	600	.06	30	43
35-23-0279	7279228	1340861	4-67	3	305	20,143	4.05	815	15	15,453	3.79	586	10-71		38	878	.05	40	59
35-24-0016	6600768	1236789	8-66	4	300	18,392	3.34	614	18	14,555	3.50	510	10-71		43	792	-.02	25	44
35-24-0022	7528000	1427381	8-68	2	305	17,085	3.79	647	18	12,975	3.78	490	1-72		40	1,124	.04	47	73
35-24-0022	7528004	1427381	4-69	1	305	18,630	3.86	719	9	10,880	3.67	399	3-72		36	1,318	.06	57	87
35-24-0022	7740505	1427381	10-69	1	281	16,370	3.59	587	8	10,570	3.72	393	4-72		36	1,171	.03	47	74
35-24-0024	5391604	1070036	1-61	5	305	25,282	3.65	924	21	16,326	3.80	621	12-71		44	1,389	.02	54	86
35-24-0024	6571578	1352953	1-66	2	305	23,615	4.04	955	25	17,055	3.83	653	3-71		40	677	.06	33	48
35-24-0024	6614551	1458744	4-66	4	303	19,762	3.96	783	17	17,095	3.81	651	10-71		44	787	.03	33	51
35-24-0024	6950161	1236789	6-67	3	305	20,310	4.15	843	25	17,376	3.91	679	2-72		42	696	.05	33	48
35-24-0024	7177589	1392858	9-68	1	305	21,910	4.31	944	29	17,190	3.95	679	12-70		36	575	.08	33	44
35-24-0038	7568758	1427381	12-69	1	305	17,110	3.99	683	22	15,460	3.91	604	2-72		36	898	.05	40	60
35-24-0039	6777268	1236789	4-67	2	305	18,210	3.46	630	22	13,865	3.61	500	1-71		40	768	-.02	25	44
35-24-0039	7333534	1427381	6-69	1	305	16,570	3.50	580	11	15,000	3.58	537	8-71		36	889	.03	37	57
35-24-0039	7569150	1427381	11-69	1	305	20,700	3.43	710	22	16,470	3.49	574	1-72		36	1,098	.03	44	69
35-24-0039	7569152	1427381	2-70	1	305	19,250	3.81	733	23	16,440	3.45	568	2-72		36	992	.07	46	68
35-24-0058	6858974	1236789	11-66	4	289	21,312	3.33	710	13	16,512	3.74	618	11-71		43	936	-.06	25	49
35-24-0064	6768367	1236789	11-66	4	305	20,090	3.65	733	24	14,450	3.76	543	11-71		43	1,015	.00	36	60
35-24-0064	7007964	1070036	9-67	3	305	18,420	3.59	662	28	14,507	3.76	545	11-71		42	668	.03	29	44
35-24-0064	7263875	1383004	11-68	2	305	19,710	4.15	817	21	14,960	3.82	571	1-72		40	448	.15	39	46
35-24-0196	6790988	1397209	2-67	3	227	18,080	4.10	741	39	15,136	3.58	542	12-71	B	42	638	.05	31	45
35-25-0019	7020895	1383004	9-67	2	305	20,780	3.76	781	18	14,040	3.63	509	4-71		40	641	.12	41	53
35-25-0020	6854037	1480335	1-67	2	300	16,805	3.95	664	23	14,200	3.48	494	2-71		29	523	.09	32	42
35-25-0020	7072008	1480335	1-68	2	305	18,840	3.64	685	20	14,025	3.52	493	9-71		29	788	.04	34	52
35-25-0022	7243901	1387978	11-68	2	305	20,935	3.23	677	25	16,940	3.58	607	2-72		40	835	-.06	21	43
35-25-0025	6958363	1242221	12-67	2	187	19,995	3.88	775	5	17,145	3.92	672	7-71	B	38	955	.00	35	58
35-25-0026	6504492	1447141	1-66	3	305	19,340	3.66	707	26	15,020	3.66	550	3-71		42	724	.05	34	50
35-25-0026	6647247	1447141	9-66	3	305	19,440	3.49	679	16	15,510	3.69	573	7-71		42	685	.02	28	44
35-25-0026	6647248	1190953	10-66	4	305	20,323	3.51	713	22	15,825	3.68	582	1-72		41	723	.00	26	43

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C O	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
35-25-0036	6891252	1480536	5-67	3	305	23,866	3.26	779	7	17,156	3.50	600	2-72		33	1,160	-.08	30	$ 60
35-25-0036	7587707	1480536	11-69	1	305	24,950	3.24	809	8	18,320	3.45	632	1-72		25	878	-.06	22	45
35-25-0044	5708684	1400575	12-62	6	305	23,173	3.47	804	25	15,983	3.72	595	9-70		43	1,326	-.09	33	67
35-25-0044	7201852	1496750	5-68	2	305	19,295	4.30	830	25	15,680	3.79	594	11-71		38	620	.08	34	47
35-25-0056	7385863	1427381	2-69	1	305	18,980	3.86	733	16	13,630	3.82	520	4-71		36	1,160	.05	50	76
35-25-0056	7467278	1427381	7-69	1	305	16,860	3.89	656	14	14,160	3.79	536	1-72		36	967	.05	43	65
35-25-0056	7509388	1427381	8-69	1	305	18,230	3.89	709	9	14,300	3.80	543	4-72		36	1,059	.05	46	70
35-25-0056	7624044	1427381	1-70	1	305	16,820	4.08	686	9	14,300	3.80	543	4-72		36	954	.07	45	66
35-25-0073	6571451	1424849	3-66	4	304	20,047	3.46	693	17	15,122	3.94	596	10-71		35	933	-.08	22	46
35-25-0073	7493259	1428104	12-69	1	305	22,970	3.45	792	20	16,640	4.00	665	1-72		35	969	-.12	17	43
35-25-0201	7294544	1428104	1-69	1	305	18,580	3.74	695	35	13,440	3.62	486	5-71		35	855	-.06	22	44
35-25-0201	7500702	1427381	9-69	1	305	17,090	3.63	620	34	12,790	3.79	485	10-71		36	1,076	.03	44	69
35-25-0230	5805755	1386842	3-63	4	296	17,158	4.09	702	9	13,495	3.58	483	1-72		35	712	.07	36	51
35-25-0358	6815933	1330987	3-67	3	305	18,487	3.92	724	16	15,597	3.76	587	10-71		42	635	.06	32	45
35-25-0358	7505942	1458744	12-69	1	305	20,150	3.87	780	14	15,310	3.85	589	12-71		36	846	.00	31	51
35-25-0389	6271060	1236789	1-65	5	305	16,858	3.54	596	10	13,638	3.64	497	9-71		44	718	-.01	25	42
35-25-0394	6990649	1493686	10-67	2	305	15,785	3.79	599	12	12,990	3.51	456	4-71		40	669	.06	33	47
35-25-0413	7433719	1308101	6-69	1	300	16,840	3.49	588	22	14,430	3.61	521	6-71		36	795	-.03	24	44
35-27-0003	6774614	1237057	10-66	3	305	21,603	3.56	769	19	16,527	3.78	625	6-71		42	878	-.06	22	45
35-27-0003	6774618	1383004	10-66	2	305	22,805	4.02	917	23	16,290	3.78	616	5-71		40	641	.15	45	56
35-27-0025	7062644	1242221	5-68	2	277	17,700	4.15	734	23	15,685	3.98	625	10-71		38	852	.03	35	55
35-27-0025	7251920	1495881	12-68	1	305	19,100	4.19	800	19	15,490	3.87	600	4-71		33	786	.01	30	48
35-27-0029	6322711	1237057	3-65	4	305	19,505	3.53	689	15	13,895	3.82	531	1-72		44	950	-.07	24	48
35-27-0038	7141266	1373055	1-67	3	305	19,080	3.58	684	8	12,373	3.79	469	11-71		42	912	-.05	25	48
35-27-0039	7189329	1428104	10-68	2	305	24,935	3.96	988	31	14,655	3.94	577	8-71		40	1,496	-.04	48	85
35-27-0039	7212634	1393997	12-68	2	291	21,910	3.95	866	30	15,700	3.89	610	11-71		40	933	.03	39	60
35-27-0048	6725241	1340861	11-66	4	303	18,987	3.54	672	16	15,685	3.70	581	10-71		40	729	-.02	24	42
35-27-0050	6414135	1314767	12-65	3	305	18,506	3.38	625	8	12,986	3.60	468	5-71		42	749	-.01	25	43
35-27-0050	6921753	1340861	8-67	2	305	16,835	3.83	645	16	12,865	3.67	472	10-71		36	709	.03	30	46
35-27-0052	6545623	1330987	1-66	4	305	19,620	3.85	756	14	15,170	3.68	559	7-71		44	841	.06	40	58
35-27-0052	7156698	1408640	8-68	2	305	20,520	3.84	788	17	16,210	3.76	609	11-71		40	659	.02	27	42
35-27-0052	7156700	1427381	9-68	2	305	19,145	3.60	690	18	15,105	3.76	568	9-71		40	1,139	.03	45	71
35-27-0059	6970489	1374286	9-67	3	305	18,800	3.16	595	16	13,136	3.72	489	3-72		39	1,094	-.13	20	50
35-27-0078	6846738	1415706	11-65	4	304	20,278	3.86	783	10	14,915	3.75	559	2-72		35	887	.06	41	60
35-27-0104	7257987	1387978	1-69	1	305	17,290	3.94	681	23	13,650	3.57	487	9-71		36	695	.03	29	45
35-28-0002	6843903	1222994	4-66	4	305	18,020	3.24	583	30	12,918	3.81	492	11-71		44	870	-.07	21	44
35-28-0004	6527794	1441026	8-65	4	305	17,945	3.85	691	35	14,572	3.73	543	10-71		41	891	-.01	30	52
35-28-0011	7525929	1393997	10-69	1	305	18,380	3.76	691	23	13,270	3.80	504	12-71		35	683	.02	27	43
35-28-0013	6323343	1429512	1-65	5	302	17,456	3.70	645	20	12,548	3.77	473	10-71		36	773	-.01	27	46
35-28-0018	5256049	1189870	10-60	5	305	19,916	3.80	757	11	15,218	3.65	555	7-71		44	814	.04	35	53
35-28-0018	6902207	1483750	7-67	2	305	20,230	4.27	864	15	16,240	3.81	618	12-70		30	523	.09	33	43
35-28-0037	7184049	1480864	1-67	3	305	20,306	4.04	820	21	16,570	3.75	621	4-71		33	608	.09	35	47
35-28-0037	7254505	1357797	3-67	3	305	17,603	3.89	685	26	15,180	3.80	577	10-71		42	501	.11	35	44
35-28-0039	6770618	1462355	12-66	4	305	19,488	3.69	719	18	14,158	3.88	549	4-72		35	849	-.01	29	50
35-28-0040	6494521	1259069	8-65	4	305	21,923	3.96	868	28	15,293	3.79	579	3-71		44	961	.02	38	60
35-28-0040	7512815	1450228	12-69	1	305	16,750	3.86	646	31	14,090	3.60	507	3-72		35	780	-.01	27	46
35-28-0042	5993925	1189870	8-63	5	305	19,418	3.48	675	20	14,952	3.77	563	4-72		44	781	-.03	23	43
35-28-0043	6111568	1386406	7-64	5	304	17,664	4.08	720	37	14,728	3.71	547	2-71		44	609	.07	33	46
35-28-0043	6378350	1396617	6-65	5	305	18,012	3.70	666	44	14,506	3.69	535	11-71		38	822	-.02	26	46
35-28-0044	6958171	1386406	6-67	3	281	18,196	4.11	748	26	14,953	3.89	582	10-71	8	42	615	.06	31	44
35-28-0044	7218934	1236789	9-68	2	305	20,045	3.75	751	33	15,910	3.85	613	11-71		40	768	.00	27	45
35-28-0044	7482540	1427615	12-69	1	305	22,550	3.59	810	39	17,040	3.76	641	1-72		36	919	-.11	17	42
35-28-0044	7603421	1365341	2-70	1	305	19,890	3.53	702	28	17,120	3.73	638	3-72		36	757	-.03	23	42
35-28-0044	7603423	1365341	3-70	1	305	20,920	3.26	681	28	17,120	3.73	638	3-72		36	834	-.06	21	42
35-28-0045	7426274	1419376	2-68	2	297	17,005	4.13	703	14	13,250	3.87	513	10-71		39	560	.09	33	44
35-28-0046	6415005	1463905	7-65	4	305	20,325	3.45	702	14	15,503	3.57	553	1-72		30	750	-.02	24	42
35-28-0063	6377257	1222994	6-65	5	301	19,376	3.77	731	19	15,794	3.75	593	1-72		44	735	.02	29	46
35-28-0075	6941914	1236789	11-67	3	305	17,036	3.96	675	10	13,953	3.88	541	2-72		42	673	.02	28	43
35-28-0079	6079294	1106334	1-64	5	305	22,440	3.48	780	19	15,134	3.67	556	4-71		44	1,005	.02	39	62
35-28-0079	7262384	1428104	11-68	1	305	21,240	3.33	707	27	15,400	3.69	568	9-71		35	922	-.11	17	42
35-28-0080	6530450	1377954	12-65	4	305	15,638	3.96	620	19	12,648	3.66	463	8-71		44	681	.06	33	48
35-28-0083	6907680	1435446	10-67	3	305	19,683	3.86	760	16	15,976	3.63	580	3-72		34	622	.06	31	44
35-28-0084	6300413	1386406	11-64	5	302	18,718	3.91	732	11	14,764	3.63	536	8-71		44	741	.06	36	52
35-28-0091	6655765	1434967	8-66	4	305	16,880	4.63	782	12	13,405	3.81	511	1-72		34	401	.18	41	46
35-28-0091	6987110	1458744	11-67	1	305	17,870	4.01	716	17	12,890	4.00	515	10-71		36	839	.00	31	51
35-28-0092	6370975	1432139	9-65	4	305	22,993	3.58	823	28	18,105	3.65	660	5-71		33	943	-.02	31	54
35-28-0092	6718962	1261857	11-66	3	305	20,513	3.95	810	41	18,090	3.61	653	10-71		42	712	.11	42	56
35-28-0092	6884147	1261857	7-67	2	305	21,605	4.28	925	41	16,855	3.56	600	7-71		40	912	.16	57	74
35-28-0092	6884148	1261857	7-67	3	305	26,803	3.74	1003	27	19,000	3.61	685	2-72		42	1,342	.08	61	91
35-28-0092	7273278	1458744	10-68	1	305	23,470	3.09	726	37	16,500	3.62	597	6-71		36	1,014	-.06	27	53
35-28-0093	6850229	1386406	4-66	2	290	19,955	4.06	810	23	15,570	3.74	582	10-71		40	700	.06	35	50
35-28-0093	7414540	1377954	10-67	3	296	19,243	3.52	677	23	15,380	3.78	581	10-71		42	797	-.02	26	45
35-28-0094	7066143	1497769	1-68	2	305	19,615	3.52	691	15	10,700	3.94	422	12-71		29	1,231	-.04	38	68
35-28-0094	7330325	1497769	1-69	2	305	17,250	3.55	612	37	10,970	3.97	435	2-72		29	916	-.04	27	50
35-28-0094	7640583	1497770	5-69	1	305	20,570	3.70	761	32	12,470	3.94	491	12-71		22	785	.00	28	47
35-28-0099	5977919	1386406	8-62	6	305	19,728	3.66	722	34	13,791	3.63	500	11-71		44	984	.02	39	62
35-28-0099	6841973	1383004	1-67	3	305	19,266	3.42	658	29	13,566	3.65	495	7-71		42	607	.06	31	44
35-28-0106	6860672	1373055	8-67	3	305	21,366	3.52	752	17	14,690	3.61	531	9-71		42	935	-.05	26	50
35-28-0111	6800246	1458744	9-66	4	304	15,057	4.18	630	17	13,195	3.80	502	9-71		44	640	.05	30	44
35-28-0111	6994560	1458744	11-66	3	304	16,020	3.85	616	16	13,616	3.83	521	11-71		42	702	.00	26	43
35-28-0111	6994562	1458744	1-67	3	305	17,143	4.05	694	19	14,046	3.88	545	12-71		42	787	.02	32	50
35-28-0111	7140297	1458744	4-67	3	305	16,513	4.16	687	15	13,343	3.82	510	11-71		42	787	.04	35	53
35-28-0111	7454532	1458744	10-68	1	305	19,380	3.81	739	15	14,360	3.94	566	3-71		36	853	.00	30	50
35-28-0111	7495443	1458744	11-68	1	305	22,790	3.21	731	15	14,360	3.94	566	3-71		36	1,107	-.07	29	57
35-28-0111	7495445	1458744	2-69	1	305	18,070	3.72	672	9	13,120	3.75	492	8-71		36	838	.00	30	50

TABLE 3. HOLSTEIN USDA-DHIA HIGH R[illegible] (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	[illegible] AVERAGES.. NO	[illegible]	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C D	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
35-28-0111	7499752	1417208	10-69	1	305	20,500	3.22	661	25	14,560	3.87	563	1-72		36	855	-.04	24	$ 46
35-28-0111	7726242	1458744	7-69	1	305	17,110	4.56	781	11	14,630	3.85	563	3-72		36	665	.06	33	47
35-28-0112	7351967	1261857	5-69	1	203	17,890	4.02	719	19	13,610	3.58	487	11-71	B	36	744	.09	41	56
35-28-0176	5995873	1106334	3-63	2	305	21,290	4.11	874	24	16,720	3.80	636	12-71		40	535	.11	36	46
35-28-0176	7591637	1393997	2-70	1	305	21,100	4.27	900	30	16,600	3.93	652	2-72		35	662	.06	33	47
35-28-0200	7019033	1387978	2-68	2	305	18,135	3.71	673	15	15,055	3.62	545	6-71		40	723	.01	27	44
35-28-0249	6856536	1261857	6-67	3	297	16,437	3.88	638	19	13,610	3.82	520	8-71		42	707	.07	36	51
35-28-0308	7317642	1492880	6-68	2	305	19,725	3.43	676	17	14,225	3.42	487	2-72		30	879	-.03	27	49
35-28-0348	7048150	1303900	2-68	2	305	20,665	3.91	809	14	16,000	3.68	589	3-71		38	879	.00	31	52
35-28-0348	7142613	1303900	5-68	2	305	20,170	3.80	766	12	14,840	3.65	541	2-72		38	936	-.02	31	54
35-28-0372	7215074	1330987	11-68	2	305	20,950	3.85	806	5	18,430	3.75	691	2-72		40	596	.05	29	42
35-29-0007	7143523	1458744	3-68	2	242	16,690	3.87	645	8	14,710	3.55	522	5-71		40	654	.03	28	43
35-29-0018	6672839	1458744	11-66	4	302	21,917	3.78	829	17	17,650	3.58	632	12-71		44	992	.03	41	64
35-29-0018	6672841	1458744	12-66	3	304	21,003	3.67	771	17	17,690	3.64	644	4-72		42	854	.00	31	51
35-29-0018	6970136	1458744	10-67	2	305	21,800	3.26	711	16	17,125	3.68	631	4-71		40	952	-.06	25	49
35-29-0018	7207562	1458744	11-68	2	305	20,855	3.76	784	16	18,165	3.59	652	2-72		40	761	.02	30	48
35-29-0018	7207563	1458744	12-68	1	305	22,700	3.58	812	20	17,010	3.62	616	8-71		36	922	-.01	32	54
35-29-0018	7927735	1458744	6-68	1	305	22,130	3.36	744	16	17,060	3.58	611	5-71		36	876	-.03	27	49
35-29-0023	7102185	1366229	2-68	2	305	21,515	3.30	709	10	15,125	3.74	566	11-71		40	715	-.01	25	42
35-29-0035	7237537	1267271	12-66	3	305	18,877	3.76	710	12	14,103	3.69	521	4-72		42	819	-.01	28	48
35-29-0036	6697476	1447141	11-66	2	305	19,515	3.54	690	7	11,970	3.64	436	3-71		40	970	.04	41	63
35-29-0036	7098972	1447141	9-66	2	305	16,360	3.84	628	8	12,115	3.69	447	4-71		40	636	.07	34	47
35-29-0089	7113301	1477381	2-68	2	305	18,035	4.13	745	23	15,420	3.74	576	5-71		39	592	.08	33	45
35-30-0002	7075905	1427381	5-68	2	304	18,030	4.30	776	20	16,130	3.80	613	11-71		40	932	.10	49	68
35-30-0005	7272879	1261857	8-68	1	305	24,500	4.09	1003	9	15,400	3.84	592	5-71		36	1,116	.10	55	79
35-30-0019	6902940	1454778	11-66	3	305	24,296	3.36	817	33	15,760	3.84	605	12-71		33	1,131	-.08	28	57
35-30-0019	7066694	1497798	1-68	2	305	21,910	3.67	804	36	15,925	3.77	601	6-71		31	848	-.02	27	48
35-30-0019	7136181	1392858	9-68	2	305	21,680	3.52	763	39	16,040	3.81	611	9-71		40	780	.00	28	47
35-30-0020	4962043	1060259	12-59	7	305	18,661	4.00	747	21	15,531	3.70	575	11-71		44	730	.03	31	48
35-30-0020	7478428	1427381	11-69	1	305	17,900	3.89	696	5	15,200	3.68	560	3-72		36	974	.06	44	66
35-30-0028	6805651	1331709	10-66	4	301	21,168	3.69	781	20	15,818	3.73	590	10-71		44	898	-.03	28	50
35-30-0055	6777010	1386406	2-67	3	281	22,343	3.58	800	8	17,133	3.68	631	3-72		42	866	.01	32	52
35-30-0065	6639279	1417208	9-65	3	305	19,993	3.24	648	12	15,170	3.78	574	1-71		42	937	-.06	24	48
35-30-0081	6985183	1308101	11-66	3	305	16,406	3.71	609	17	14,563	3.76	547	10-71		42	772	-.03	24	43
35-30-0086	7644204	1427381	12-68	1	292	17,520	3.45	605	35	15,460	3.45	533	12-70	B	36	929	.04	39	60
35-30-0087	6405137	1417208	10-65	4	305	18,898	3.92	740	11	16,783	3.60	605	8-71		44	655	.06	33	47
35-31-0020	6634172	1391470	11-66	4	305	19,725	3.52	695	7	14,853	3.66	543	4-71		37	755	-.02	24	43
35-31-0027	5907261	1340669	10-63	5	298	19,920	3.36	670	21	14,194	3.70	525	8-71		44	952	-.11	18	44
35-31-0030	7359901	1397209	6-69	1	305	21,680	3.99	864	37	16,230	3.89	631	12-71		36	739	.00	27	45
35-31-0032	6687265	1458744	3-66	3	305	21,946	4.11	903	6	15,223	3.68	560	4-71		42	1,217	.07	55	82
35-31-0036	6777259	1357797	2-67	3	305	19,590	4.34	851	13	15,130	3.79	573	7-71		42	738	.18	54	67
35-31-0036	7623757	1427381	9-68	2	305	19,660	3.92	770	13	15,985	3.98	636	3-72		40	1,110	.04	47	72
35-31-0069	5426356	1267764	11-61	4	305	19,320	3.90	754	15	15,785	3.50	552	8-71		43	553	.08	32	43
35-32-0017	6548096	1314767	2-66	3	305	19,443	3.86	750	11	13,980	3.96	553	3-72		42	754	.03	31	48
35-32-0017	7265685	1427381	8-68	1	305	15,830	3.57	565	13	12,870	3.79	488	4-71		36	976	.02	39	62
35-32-0023	6801152	1469311	3-66	4	305	20,108	3.56	715	8	15,053	3.61	543	3-72		43	815	.02	33	52
35-32-0031	5730781	1286840	1-62	7	305	20,647	3.41	705	16	13,850	3.65	505	11-71		36	1,177	-.06	33	63
35-32-0032	6687949	1383926	1-67	3	298	20,563	3.99	820	22	14,760	3.77	556	8-71		42	880	.07	42	61
35-32-0035	5813645	1386406	11-62	5	305	18,416	3.75	691	20	15,350	3.64	558	11-71		44	634	.03	28	42
35-32-0035	7034334	1462168	8-67	2	305	21,755	3.91	851	21	15,985	3.55	568	8-71		40	550	.09	33	44
35-32-0035	7528476	1386406	1-69	1	305	21,800	3.20	697	20	14,860	3.49	518	8-71		36	779	-.02	25	44
35-32-0038	6799773	1495205	1-67	3	305	20,447	3.65	747	31	14,817	3.98	590	11-71		29	809	-.03	24	44
35-32-0038	6946343	1475466	8-67	3	305	18,413	4.04	744	19	14,293	3.96	566	12-71		32	696	.04	31	47
35-32-0038	6946345	1475466	11-67	2	305	19,480	4.69	914	19	15,010	4.06	610	12-71		29	688	.12	43	56
35-32-0040	6830728	1261857	8-66	4	305	17,405	3.54	616	23	15,365	3.74	575	4-72		44	646	.03	28	43
35-32-0040	6830729	1261857	10-66	3	305	17,967	3.87	696	21	14,660	3.75	550	9-71		42	775	.08	40	56
35-32-0040	7009860	1261857	10-67	2	305	17,955	3.64	654	24	14,725	3.76	554	11-71		40	736	.04	33	49
35-32-0040	7368455	1477381	9-68	1	305	19,420	4.03	782	17	14,820	3.81	565	6-71		35	686	.05	33	48
35-32-0040	7368456	1387978	10-68	1	305	20,210	3.92	793	25	15,340	3.76	577	10-71		36	799	.01	31	50
35-32-0041	6982208	1500081	1-67	2	305	21,295	3.55	755	20	15,365	3.74	574	5-71		25	763	-.02	24	43
35-32-0041	7031374	1365341	5-67	2	305	19,095	3.39	647	22	14,880	3.87	576	12-71		40	932	-.06	24	48
35-32-0041	7526807	1450228	7-69	1	305	17,750	3.66	650	20	13,660	3.81	520	9-71		35	887	-.03	27	49
35-32-0042	5959015	1314767	8-63	6	304	19,358	3.83	742	17	15,140	3.83	580	3-71		44	679	.04	30	45
35-32-0044	6226554	1314767	8-64	5	305	21,964	3.92	860	22	17,096	3.80	649	6-71		44	788	.06	37	54
35-32-0045	5755379	1106334	1-63	6	303	20,377	3.64	741	17	15,703	3.74	587	12-71		44	669	.04	30	45
35-33-0003	7568338	1427381	10-69	1	305	19,650	3.59	706	13	14,880	3.47	517	11-71		36	1,126	.05	48	73
35-33-0003	7568340	1427381	2-70	1	305	23,890	4.02	961	16	15,010	3.56	534	2-72		36	1,433	.09	66	98
35-33-0007	6476193	1314767	7-65	4	303	22,155	3.33	738	14	15,997	3.60	576	8-71		44	908	-.02	29	51
35-33-0007	6476194	1314767	12-65	4	305	23,125	3.46	799	17	17,110	3.64	622	1-72		44	904	-.01	31	53
35-33-0030	6110958	1314767	4-64	6	292	21,211	3.83	812	26	15,428	3.63	560	3-72		44	885	.06	41	60
35-33-0030	6282973	1373055	1-65	4	303	27,130	4.10	1113	27	14,947	3.65	545	2-71		44	1,672	.07	71	109
35-33-0030	7051650	1495314	12-67	3	297	21,910	3.98	873	24	15,946	3.61	575	1-72	B	35	597	.08	33	45
35-33-0030	7257835	1428104	10-68	1	305	29,540	3.68	1088	30	16,400	3.52	577	1-72		35	1,481	-.05	45	82
35-33-0030	7413473	1483844	5-69	1	305	31,330	3.36	1054	28	15,970	3.54	565	2-72		35	1,321	-.04	42	74
35-33-0032	6329202	1386406	2-65	4	305	19,040	4.02	766	29	15,625	3.69	576	3-71		44	667	.07	35	49
35-33-0032	6374246	1406271	8-65	5	305	18,348	4.43	813	37	16,238	3.70	601	1-72		44	653	.15	46	58
35-33-0032	6584062	1462361	7-66	3	303	22,973	3.13	719	31	16,250	3.81	619	3-71		33	1,043	-.14	16	45
35-33-0032	6967903	1450228	6-67	3	303	21,673	3.06	664	37	17,010	3.73	635	11-71		41	1,099	-.13	20	50
35-33-0032	6967907	1406271	1-68	2	305	18,940	4.25	805	27	14,555	3.83	557	7-71		40	830	.10	45	62
35-33-0032	7001994	1360676	1-67	3	305	19,893	3.74	744	39	16,190	3.75	607	2-72		41	858	.01	33	53
35-33-0032	7017761	1360676	1-68	3	304	20,433	3.83	782	39	16,970	3.75	636	2-72		41	839	.03	35	54
35-33-0032	7127228	1426616	7-68	1	305	22,880	3.29	753	22	15,780	3.84	606	5-71		33	970	-.06	26	51
35-33-0032	7273597	1347940	2-69	1	305	17,680	4.02	711	22	16,000	3.80	608	5-71		36	655	.02	27	42
35-33-0032	7434613	1427381	8-69	1	305	18,110	3.46	627	48	16,420	3.80	624	11-71		36	908	.01	35	56
35-33-0032	7434619	1450228	11-69	1	305	19,430	3.95	768	59	16,570	3.81	631	12-71		35	815	-.01	28	48

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C D	.......C O W REPT (%)	MILK (LB)	I N D E X....... FAT (%)	FAT (LB)	DOL-LARS
35-33-0032	7693677	1426616	3-70	1	305	20,850	4.23	882	57	16,630	3.80	632	12-71		33	752	.05	34	$ 51
35-33-0064	6404916	1291498	9-65	4	305	19,723	3.59	708	43	14,348	3.65	524	3-72		44	796	-.02	25	45
35-33-0064	7192417	1494192	12-68	2	305	20,525	3.76	772	30	14,490	3.74	542	12-71		29	751	.01	28	46
35-33-0099	6176981	1344372	10-64	4	305	19,723	3.25	641	11	13,453	3.67	494	10-71		35	867	-.06	22	44
35-33-0099	6945447	1458744	12-67	2	305	18,360	3.39	622	8	13,155	3.66	481	10-70		40	965	-.04	29	53
35-33-0106	7551754	1428104	2-69	2	303	21,410	3.34	716	36	15,735	3.63	571	2-72		40	1,037	-.11	21	49
35-33-0112	6881462	1461718	7-67	3	305	23,046	3.04	701	16	17,263	3.55	612	2-72		32	964	-.13	15	42
35-33-0112	6977081	1261857	12-67	2	305	21,145	3.55	751	18	18,120	3.41	617	10-71		40	750	.07	37	53
35-33-0112	7211174	1427381	1-69	1	305	23,530	3.14	738	13	17,460	3.34	583	5-71		36	1,242	.01	46	75
35-33-0112	7398435	1461718	4-69	1	305	27,450	3.24	889	18	18,170	3.61	656	2-72		23	1,027	-.08	24	51
35-33-0219	7101112	1330987	5-68	2	305	20,665	3.30	681	11	15,420	3.72	574	10-71		40	842	-.02	27	48
35-33-0338	5350410	1182696	4-61	7	305	16,243	3.91	635	10	13,177	3.64	480	11-71		44	626	.06	31	44
35-34-0005	6147405	1236789	9-64	4	305	17,165	3.96	679	15	14,315	3.65	522	7-71		43	666	.05	31	46
35-34-0005	6957204	1261857	10-67	3	292	23,940	3.81	913	12	17,593	3.65	643	12-71		42	1,158	.09	55	80
35-34-0005	6957205	1261857	11-67	3	295	20,520	3.91	802	16	17,530	3.66	641	11-71		42	771	.09	42	58
35-34-0007	7327112	1365341	5-69	1	124	18,890	3.54	668	34	14,280	3.57	510	10-71	B	36	873	-.02	29	50
35-35-0026	6457477	1306247	8-65	2	305	19,780	3.71	734	6	16,035	3.62	580	4-71		40	807	.00	29	48
35-35-0026	6723328	1306247	9-66	4	303	20,773	3.61	749	6	15,953	3.71	592	2-72		43	1,006	-.03	32	57
35-35-0028	6209039	1277213	3-64	4	305	22,258	3.80	845	12	17,065	3.66	625	8-71		44	497	.10	33	42
35-35-0079	7408622	1306247	6-69	1	303	21,010	3.54	744	19	16,300	3.61	589	11-71		35	806	-.03	25	45
35-36-0004	7386189	1447414	6-69	1	305	18,340	3.22	590	18	14,100	3.80	536	7-71		35	928	-.07	22	46
35-36-0011	6636755	1441298	6-66	3	305	19,313	3.55	685	14	16,130	3.73	601	10-70		40	1,030	-.08	25	52
35-36-0011	6879769	1441298	2-67	2	305	18,450	3.82	704	17	16,675	3.69	616	12-70		38	865	-.04	25	47
35-36-0011	7213985	1441298	7-68	2	305	20,000	3.50	699	16	16,620	3.62	601	11-71		38	1,033	-.07	26	53
35-36-0014	6811506	1383926	12-66	3	305	20,186	3.37	681	28	15,643	3.50	548	9-71		42	746	.00	27	45
35-36-0014	6811507	1383926	2-67	3	303	21,673	3.37	730	19	15,290	3.76	575	3-72		42	953	-.03	30	53
35-36-0014	7303212	1397209	11-68	2	305	20,180	4.01	810	21	15,325	3.69	565	3-72		40	803	.03	34	52
35-36-0018	6887324	1366229	7-67	2	305	21,255	3.83	814	12	16,430	3.74	614	10-71		40	569	.08	32	43
35-36-0018	7098241	1383926	3-68	2	305	24,510	3.44	842	25	17,065	3.83	653	2-72		40	999	-.03	32	57
35-36-0026	6922938	1357743	9-67	3	302	20,360	3.86	786	29	15,770	3.56	562	12-71		42	648	.02	27	42
35-36-0026	7074549	1496489	1-68	2	305	20,500	3.47	712	14	14,400	3.83	551	8-71		30	925	-.08	21	45
35-36-0028	7392218	1397209	8-69	1	289	23,470	3.00	705	17	16,400	3.39	556	9-71		36	861	-.07	20	42
35-36-0048	7320957	1418353	4-69	1	305	19,260	3.94	759	14	13,930	3.88	540	5-71		34	713	.02	28	45
35-36-0049	7121238	1306247	9-68	2	305	22,415	3.81	853	21	17,515	3.68	644	10-71		40	940	.01	35	57
35-36-0049	7518689	1365341	9-69	1	305	20,630	4.13	853	9	18,460	3.71	684	2-72		36	723	.03	31	47
35-36-0062	6906963	1385681	9-67	3	305	22,147	3.43	760	13	15,807	3.87	612	11-71		41	792	-.04	23	43
35-36-0062	7409396	1441298	8-69	1	305	20,880	3.28	684	12	17,690	3.84	679	11-71		33	972	-.12	17	43
35-36-0067	6863433	1315423	4-67	3	305	20,077	3.16	634	27	13,807	3.77	521	10-71		42	993	-.14	14	42
35-36-0067	7569739	1365341	4-70	1	305	18,870	3.48	656	22	14,240	3.65	520	2-72		36	875	-.03	27	49
35-36-0070	6915022	1458744	9-67	2	305	17,695	3.73	660	8	15,665	3.56	558	5-71		40	669	.01	26	42
35-36-0078	6535685	1472619	3-66	5	305	19,944	3.85	768	29	15,808	3.69	584	4-72		32	678	.04	31	46
35-36-0078	6687645	1434460	9-66	4	305	21,328	3.31	706	26	15,485	3.77	584	3-72		35	1,037	-.11	20	48
35-36-0078	6914227	1488424	6-67	3	302	17,883	4.25	760	35	14,796	3.78	560	11-71		32	493	.10	33	42
35-36-0078	6914234	1434460	8-67	3	305	21,310	3.53	753	34	14,527	3.90	567	12-71		33	1,097	-.08	27	55
35-36-0078	7050945	1458744	2-68	2	305	20,735	3.53	732	43	16,190	3.73	604	5-71		40	929	-.03	29	52
35-36-0078	7140264	1458744	4-68	2	305	18,940	3.71	703	46	16,355	3.69	603	7-71		40	732	.00	26	43
35-36-0078	7140265	1458744	4-68	2	305	21,030	3.93	826	39	15,350	3.74	574	12-71		40	1,036	.02	41	65
35-36-0078	7337310	1427381	4-69	1	304	20,200	3.59	726	58	15,980	3.79	605	9-71		36	1,093	.02	43	68
35-36-0078	7443237	1458744	7-69	1	305	17,770	4.48	796	55	15,960	3.77	602	9-71		36	625	.06	31	44
35-36-0080	5814437	1370151	7-62	6	305	20,872	4.26	890	17	17,525	3.50	613	4-72		32	580	.17	46	55
35-36-0080	6647700	1469015	10-66	3	305	22,023	3.38	745	12	16,580	3.59	595	8-71		32	882	-.05	24	46
35-36-0080	6752683	1469015	1-67	3	305	22,300	3.27	730	12	16,740	3.57	598	12-71		32	900	-.07	22	45
35-36-0080	6752685	1469015	1-67	3	305	20,666	3.63	751	13	16,256	3.62	588	9-71		32	738	.00	26	44
35-36-0089	7024423	1459192	5-67	3	305	19,930	4.06	810	13	14,980	3.68	551	6-71		29	714	.08	38	53
35-36-0095	6775874	1441298	1-67	3	305	22,633	3.06	692	19	16,376	3.55	582	10-71		40	1,400	-.14	28	65
35-36-0096	6708234	1473935	12-66	4	299	19,065	4.00	762	48	16,805	3.80	639	12-71		39	688	.02	28	44
35-36-0096	6775877	1261857	3-67	4	294	19,053	3.87	737	41	16,755	3.76	630	2-72		44	695	.07	36	51
35-36-0099	6388218	1315423	10-65	4	304	21,958	3.65	802	30	17,290	3.76	650	2-71		43	881	-.07	21	44
35-36-0099	6782132	1315612	2-67	3	305	22,430	3.68	825	21	16,380	3.74	613	6-71		42	682	.01	26	42
35-36-0099	6903488	1458744	10-67	2	305	24,055	3.42	822	20	17,535	3.72	652	10-70		40	1,143	-.05	34	63
35-36-0099	7186061	1458744	6-68	2	305	26,600	3.29	875	27	17,850	3.47	620	2-72		40	1,373	-.05	42	76
35-36-0106	6494680	1303900	10-65	4	305	18,498	3.56	658	20	14,218	3.95	561	1-72		42	895	-.09	19	43
35-36-0106	6773470	1303900	1-67	3	305	16,257	4.32	703	17	12,747	4.00	510	6-71		41	758	.01	29	47
35-36-0110	6961791	1448297	10-67	2	305	19,760	3.73	737	57	15,595	3.73	581	1-72		39	777	-.03	23	42
35-36-0110	7496773	1365341	3-70	1	305	18,070	3.70	668	86	15,350	3.61	554	9-71		36	741	.00	26	44
35-36-0110	7496794	1427381	11-69	1	305	22,590	3.43	775	64	16,540	3.71	613	12-71		36	1,234	.02	47	76
35-36-0111	5682143	1267764	11-62	5	305	18,762	3.98	746	26	14,176	3.78	536	12-71		44	689	.06	34	49
35-36-0111	7335590	1518086	4-69	1	305	20,670	3.77	780	21	15,680	3.80	596	11-71		31	794	-.03	24	44
35-36-0111	7486261	1427381	9-69	1	305	20,360	3.46	704	32	16,200	3.80	616	2-72		36	1,091	.01	41	67
35-36-0111	7486265	1427381	12-69	1	305	17,700	4.51	798	32	16,200	3.80	616	2-72		36	892	.10	48	66
35-36-0111	7486267	1427381	1-70	1	305	17,860	3.84	685	23	16,050	3.83	615	3-72		36	914	.05	40	60
35-36-0111	7514419	1518086	6-69	1	305	23,810	3.47	827	21	15,680	3.80	596	11-71		31	1,047	-.06	28	55
35-36-0114	6669479	1306247	10-66	3	305	15,777	3.79	598	11	12,277	3.59	441	4-71		42	778	.01	29	47
35-36-0114	6669480	1397209	12-66	3	304	16,740	3.44	576	10	12,016	3.69	443	6-71		42	807	-.05	22	42
35-36-0117	6389532	1377954	10-67	3	305	18,050	3.45	622	16	14,370	3.57	513	3-72		42	764	.00	27	45
35-36-0118	5488414	1351934	9-61	6	305	19,400	3.94	765	22	16,035	3.69	591	1-72		36	656	.07	34	46
35-36-0118	6512023	1428104	1-66	3	305	20,543	3.18	654	24	15,650	3.66	573	2-71		42	1,015	-.13	16	44
35-36-0118	6672684	1428104	8-66	4	302	22,127	3.10	686	28	16,685	3.72	620	11-71		43	1,126	-.17	15	46
35-36-0118	6933952	1351934	9-67	2	305	20,825	3.66	763	23	16,465	3.67	604	8-71		30	680	.02	27	43
35-36-0118	6933953	1351934	9-67	2	305	20,675	4.13	854	14	15,190	3.87	588	6-71		30	798	.07	39	56
35-36-0118	7503313	1428104	9-69	1	305	24,850	3.24	805	35	18,530	3.82	707	12-71		35	982	-.13	15	42
35-36-0128	7305939	1365341	4-69	1	305	19,420	3.61	701	27	14,880	3.76	559	7-71		36	873	-.02	28	49
35-36-0128	7479379	1306247	8-69	1	305	20,340	3.37	685	31	15,370	3.76	578	10-71		35	818	-.06	21	42
35-36-0133	7080502	1261857	4-68	1	305	17,630	3.62	639	30	15,140	3.45	522	6-71		36	622	.07	33	46
35-36-0135	6823963	1397209	3-67	3	305	18,356	4.10	752	19	14,653	3.81	558	1-72		42	720	.03	31	47

TABLE 3. HOLSTEIN USOA-OHIA HIGH RANKING COWS (CONTINUEO).

COW'S LAST HERO COOE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PROOUCTION. RECS	OAYS	MILK (LB)	FAT (%)	FAT (LB)	..HEROMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVO MO-YR	T C D	REPT (%)	.......C O W I N O E X....... MILK (LB)	FAT (%)	FAT (LB)	OOL-LARS
35-36-0136	7467953	1383926	12-69	1	305	19,530	4.25	830	18	14,520	3.99	580	3-72		36	604	.06	31	$ 44
35-36-0196	6667806	1441298	8-66	2	305	16,735	3.65	610	12	15,020	3.74	562	4-72		38	841	-.07	20	42
35-36-0238	6286368	1397209	3-65	4	305	17,367	3.84	667	15	13,595	3.82	519	11-70		44	740	.00	26	44
35-36-0354	6872498	1491516	6-67	3	305	23,646	3.43	811	27	17,516	3.66	641	12-71		33	855	-.04	25	46
35-36-C408	7184853	1261857	12-66	3	305	16,717	3.31	553	16	13,950	3.68	514	12-71		42	7C4	.01	27	43
35-36-0414	6350044	1306247	7-65	5	305	17,282	3.30	570	9	13,750	3.62	498	11-71		44	833	-.06	21	42
35-36-0431	7028634	1397209	2-68	2	279	19,580	3.33	652	16	14,605	3.62	529	8-71	B	40	8C8	-.05	21	42
35-36-C578	7023383	1458744	3-68	2	299	18,760	3.81	714	22	16,535	3.65	604	10-71		40	697	.01	27	43
35-37-0012	7241595	1383926	11-68	2	305	21,735	3.93	855	40	16,915	3.54	599	12-71		40	731	.08	38	53
35-37-0012	7525363	1306247	10-69	1	305	24,600	2.77	681	32	17,200	3.74	644	12-71		35	1,016	-.13	17	45
35-37-0016	7063241	1306247	5-68	2	305	16,180	3.92	635	17	13,040	3.87	505	12-71		40	715	-.01	25	42
35-37-0020	7272072	1458744	9-68	2	305	19,940	3.42	682	18	15,260	3.73	569	10-71		40	934	-.04	27	5C
35-37-0029	7478433	1365341	11-69	1	305	19,060	4.00	763	22	17,520	3.56	624	1-72		36	669	.03	28	43
35-37-0047	7295427	1365341	1-69	1	305	21,240	3.40	722	12	15,070	3.68	554	1-72		36	995	-.04	30	55
35-37-C048	6862828	1465771	4-67	3	305	20,610	3.44	710	15	15,426	3.54	546	3-72		32	827	-.02	27	47
35-37-0048	7397949	1383926	4-69	1	305	23,960	2.95	708	25	15,460	3.73	576	11-71		36	871	-.06	23	45
35-37-C054	7171663	1366229	9-68	2	303	19,885	5.00	994	18	16,030	4.05	649	3-72		40	467	.20	47	53
35-37-0055	6900679	1479350	5-67	3	305	20,273	3.71	753	12	15,336	3.56	546	4-72		32	672	.03	29	44
35-37-0055	7089235	1397209	7-68	2	305	22,600	3.78	854	13	15,685	3.75	588	11-71		40	1,016	.00	36	6C
35-37-0056	6385543	1397209	4-67	3	271	21,203	3.16	670	16	15,780	3.63	573	12-71	B	42	930	-.09	20	45
35-37-0060	6590687	1315423	5-66	3	305	21,633	3.25	703	20	15,663	3.58	561	3-71		42	980	-.11	18	44
35-37-0060	6926180	1366229	10-67	2	298	20,440	4.08	834	14	16,845	3.54	597	11-71	B	40	449	.13	35	42
35-37-C067	6405916	1306247	7-65	5	305	19,992	3.98	795	14	16,492	3.95	652	11-71		44	864	.01	32	52
35-37-0068	6193408	1383926	10-64	4	305	22,360	3.43	767	16	15,987	3.73	596	1-72		44	1,C11	-.02	33	58
35-37-0068	7607043	1383926	5-69	1	305	21,640	3.87	837	11	15,890	3.88	617	2-72		36	669	.03	29	44
35-37-0072	5735202	1386406	10-62	1	305	20,680	3.99	826	13	15,790	3.87	611	2-72		36	633	.04	29	43
35-37-0072	6126061	1386406	7-64	5	303	22,564	3.66	826	12	14,098	3.80	536	12-71		44	1,315	.0C	48	79
35-37-0072	6713418	1360676	8-66	3	305	21,640	3.90	843	14	15,027	3.87	581	4-71		41	1,184	.03	48	75
35-37-0072	6876284	1261857	3-67	2	303	19,615	3.80	746	12	15,735	3.95	622	4-71		40	812	.04	36	54
35-37-C090	5948379	1407925	9-63	5	305	19,294	4.18	806	16	15,570	3.65	568	5-71		35	641	.12	41	53
35-37-0090	6327824	1383926	6-65	5	305	18,630	3.98	742	18	15,904	3.65	581	8-71		44	572	.08	32	44
35-37-0093	7390748	1532535	2-69	1	305	23,080	3.58	826	19	15,930	3.67	585	4-71		22	787	-.01	27	46
35-37-C105	6569332	1366229	1-66	4	303	19,250	3.48	670	17	14,205	3.83	544	2-72		44	676	.01	26	42
35-37-0115	5982364	1376402	8-63	5	305	22,778	4.29	978	27	16,108	3.74	603	1-72		44	728	.18	53	66
35-37-0115	6350243	1414618	12-64	5	292	21,194	4.52	957	20	16,016	3.75	600	1-72		44	826	.15	52	68
35-37-C115	6380588	1237057	4-65	4	305	21,895	3.59	785	28	16,780	3.80	637	1-72		44	924	-.06	24	48
35-37-C210	7387765	1447414	8-69	1	305	19,380	3.67	711	25	15,340	3.68	564	12-71		35	922	-.03	29	52
35-37-C260	6806667	1306247	2-67	2	305	17,385	3.34	580	14	13,595	3.50	476	12-71		40	787	-.04	23	43
35-37-C400	6681196	1458744	12-66	2	305	21,115	3.06	646	8	16,530	3.61	596	6-71		40	937	-.08	21	46
35-37-0400	7483646	1428104	8-69	1	305	23,300	3.33	776	29	17,570	3.64	64C	11-71		35	930	-.11	17	42
35-37-C432	6266505	1314767	12-64	5	305	18,862	3.93	741	18	15,586	3.70	576	10-71		44	563	.06	30	42
35-37-C570	7045768	1435990	10-66	2	303	23,975	3.27	783	15	17,305	3.69	638	1-72		25	881	-.08	20	43
35-37-C570	7538783	1383926	11-69	1	305	20,980	4.35	913	15	17,350	3.75	65C	1-72		36	522	.1C	33	43
35-38-0005	7090558	1366229	2-68	2	299	18,080	4.08	738	8	13,880	3.65	506	11-71		43	480	.11	34	42
35-38-0022	6878623	1366229	8-67	2	305	22,125	3.41	754	10	15,590	3.59	560	4-71		40	734	.02	30	47
35-38-0022	6878621	1366229	8-67	2	305	21,830	3.99	870	19	14,785	3.58	529	11-71		43	778	.11	45	6C
35-38-0C22	7386252	1365341	6-69	1	305	18,560	3.64	675	22	15,660	3.70	579	12-71		36	756	-.01	25	43
35-39-0022	6137446	1383926	9-64	4	300	17,665	3.58	632	8	13,427	3.57	480	3-71		44	715	.02	29	45
35-39-0022	7193959	1383926	3-68	3	298	18,820	4.14	780	6	14,403	3.51	506	2-72		42	717	.11	43	57
35-42-0022	7093298	1261857	11-66	2	305	20,090	3.64	731	12	16,665	3.66	610	1-72		40	775	.05	36	53
35-42-C053	6351636	1289586	8-65	2	305	21,925	3.32	727	11	15,300	3.58	548	3-71		39	863	-.05	23	45
35-42-C123	6505863	1366229	3-66	4	305	18,035	3.98	717	11	14,400	3.67	529	9-71		44	5C4	.10	33	42
35-42-C134	6497271	1397209	10-65	3	286	21,700	3.53	765	23	17,480	3.64	637	2-72		42	812	-.03	24	44
35-42-C186	7407242	1387978	3-69	1	305	21,580	3.14	677	11	15,340	3.59	550	11-71		36	9C1	-.06	24	47
35-42-C209	6711041	1314767	1-67	1	305	22,320	3.46	773	7	14,760	3.60	531	1-72		36	7C9	.01	27	44
35-42-C219	6730511	1471763	11-66	3	305	20,000	3.91	781	16	15,986	3.76	601	11-71		34	6C6	.05	29	42
35-42-C244	6781485	1261857	2-67	2	305	19,070	3.89	742	18	15,600	3.67	573	1-71		40	769	.09	41	57
35-42-C384	6343712	1330987	5-65	5	305	18,860	3.91	737	18	14,448	3.52	509	6-71		44	848	.09	44	62
35-42-C424	7187373	1387978	10-68	1	305	21,900	3.39	742	37	15,510	3.68	570	12-71		36	914	-.03	28	51
35-43-0013	5777664	1109640	11-62	5	305	24,492	3.06	750	8	15,608	3.50	546	2-71		43	1,470	-.12	34	72
35-43-C019	6628566	1330987	1-66	3	305	24,09C	3.35	808	19	15,647	3.63	568	12-71		42	1,274	-.01	44	75
35-43-C019	7075628	1458744	2-68	1	305	25,480	3.27	832	35	17,920	3.53	632	1-71		36	1,068	-.04	32	59
35-43-C021	6768175	1315423	2-67	3	305	21,373	3.21	687	13	15,393	3.69	568	2-72		42	978	-.13	15	42
35-43-C021	7100820	1406271	9-67	2	305	20,525	3.79	777	12	15,310	3.72	570	4-71		40	922	.05	41	62
35-43-C023	6955023	1383004	11-67	2	305	20,305	4.31	876	20	15,110	3.75	566	4-71		43	495	.18	45	52
35-43-C023	7475373	1427381	11-69	1	305	19,490	3.05	594	36	14,860	3.54	526	2-72		36	1,116	-.01	39	66
35-43-C024	7338963	1365341	7-69	2	282	19,215	3.46	664	25	15,205	3.57	543	4-72		40	914	-.03	29	51
35-43-C027	6943445	1397209	10-67	3	298	18,573	3.79	703	23	13,693	3.64	498	1-72		42	844	.0C	31	51
35-43-0033	6857966	1383004	6-67	3	305	22,416	3.78	847	22	15,656	3.64	570	12-71		42	753	.12	45	6C
35-43-0033	6918613	1458744	7-67	3	305	22,456	3.15	707	24	16,343	3.63	593	10-71		42	1,160	-.08	29	59
35-43-0033	7318498	1427381	10-68	2	305	28,490	3.52	1002	28	17,055	3.73	636	1-72		40	1,9C9	.01	70	115
35-43-0033	7545047	1427381	9-69	1	305	23,250	3.39	788	31	16,730	3.63	607	10-71		36	1,270	.01	48	78
35-43-0062	6727589	1411203	10-66	3	305	18,740	4.00	750	8	13,233	4.07	538	12-71		32	720	.05	34	5C
35-43-0169	6871144	1347448	8-67	3	305	21,816	3.51	766	8	15,666	3.70	580	4-72		42	846	.00	30	5C
35-45-0012	6927738	1397209	12-67	2	305	19,130	3.36	643	18	14,145	3.62	512	5-71		40	8C4	-.05	22	42
35-45-C012	7365409	1365341	8-68	1	305	19,840	3.81	756	27	14,160	3.67	519	10-71		36	952	.00	35	58
35-45-0030	6520687	1261857	4-66	4	302	16,470	4.03	663	18	14,965	3.70	554	2-72		44	575	.1C	36	47
35-45-0030	6789026	1261857	4-67	3	305	17,420	3.74	651	13	14,470	3.61	523	10-71		42	731	.07	37	52
35-45-0040	7184178	1458744	3-68	2	305	16,970	4.23	718	18	14,750	3.70	546	8-71		40	679	.06	33	48
35-45-0054	7011844	1458744	2-68	2	305	15,955	3.37	538	20	12,205	3.74	456	10-71		40	8C8	-.04	23	43
35-45-0054	7257571	1458744	1-69	1	305	15,820	3.96	627	21	12,990	3.69	479	1-72		36	679	.02	27	43
35-45-0054	7480517	1427381	1-70	1	305	17,270	3.71	641	14	13,110	3.62	475	2-72		36	1,C68	.05	46	7C
35-45-C077	6776863	1466353	1-67	3	305	17,893	4.58	820	5	13,486	4.15	560	8-71		33	642	.13	42	54
35-45-0083	7189601	1387978	9-68	1	305	21,560	3.43	739	23	15,320	4.01	614	2-71		36	9C1	-.06	24	47
35-45-C135	7324781	1330987	8-68	2	305	17,835	3.81	680	14	14,275	3.57	509	1-72		40	659	.06	33	47

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C D	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
35-45-0135	7478502	1365341	6-69	1	305	16,400	3.99	655	31	14,220	3.68	524	9-71		36	692	.01	27	$ 43
35-45-0147	5739901	1303184	1-63	4	302	20,008	3.70	740	22	16,238	3.48	565	4-71		39	728	.02	30	47
35-45-0147	6571720	1417208	2-66	4	305	21,025	3.10	652	22	15,753	3.46	545	12-71		44	1,032	-.06	28	54
35-45-0147	6571721	1199324	2-66	4	305	21,860	3.15	688	30	16,458	3.48	572	11-71		44	1,129	-.08	29	58
35-45-0150	5750951	1228022	11-62	6	298	20,775	3.58	743	17	15,733	3.87	609	1-72		44	1,207	-.08	31	62
35-45-0155	5727474	1237057	12-62	7	305	20,553	3.50	719	12	14,919	3.71	554	7-71		44	993	-.06	26	51
35-45-0157	6820124	1366229	2-67	3	304	20,063	3.75	752	13	15,716	3.68	578	1-72		42	572	.07	31	43
35-45-0165	6640052	1458744	9-66	2	305	19,760	3.25	642	16	15,840	3.39	537	10-70		40	862	-.03	26	47
35-45-0165	6782519	1261857	3-67	4	290	17,790	3.64	647	16	15,968	3.50	559	1-72		44	627	.07	33	46
35-45-0165	6782522	1261857	3-67	3	305	18,143	3.60	653	15	15,633	3.49	546	4-71		42	694	.07	35	50
35-45-0165	6782524	1261857	3-67	3	305	16,860	3.41	575	10	15,043	3.42	514	7-71		42	608	.05	29	42
35-45-0165	6937271	1261857	11-67	3	303	20,273	3.74	758	15	16,117	3.57	575	1-72		42	889	.08	44	63
35-45-0176	6502322	1386406	6-65	4	305	19,067	3.82	728	12	14,257	3.60	513	4-71		44	822	.05	37	55
35-45-0176	6502325	1237057	1-66	4	305	20,805	3.75	780	20	15,778	3.63	572	2-72		44	901	-.01	31	53
35-45-0176	6772679	1386406	10-65	4	305	19,150	3.52	675	14	15,632	3.56	556	12-71		44	680	.01	26	42
35-45-0176	6772680	1386406	11-65	4	305	20,440	3.61	738	15	15,577	3.65	569	2-72		44	845	.01	32	52
35-45-0176	6975422	1386406	10-66	2	305	22,120	3.39	750	14	14,785	3.63	537	10-70		40	992	-.02	33	57
35-45-0176	7312055	1458744	5-69	1	305	20,240	3.81	771	22	17,290	3.63	627	11-71		36	720	.01	28	45
35-45-0176	7312056	1458744	5-69	1	305	21,760	3.14	683	22	17,290	3.63	627	11-71		36	833	-.06	21	42
35-45-0176	7694525	1427381	8-69	1	305	20,480	3.98	815	12	18,200	3.62	658	2-72		36	965	.08	47	68
35-45-0176	7723975	1427381	9-69	1	305	21,610	3.84	830	20	18,310	3.59	658	1-72		36	1,042	.07	48	71
35-45-0177	6460118	1199324	9-65	1	305	19,730	3.85	760	29	15,070	3.68	555	1-71		36	844	.00	31	51
35-45-0177	7413861	1427381	1-69	1	305	17,480	3.80	664	28	15,260	3.64	556	5-71		36	939	.05	42	63
35-45-0179	7192634	1404814	11-68	1	305	18,110	4.04	732	20	12,450	3.60	448	10-71		35	566	.07	31	43
35-45-0180	6528271	1306247	2-66	4	305	20,768	3.32	690	19	14,033	3.64	511	12-71		43	1,220	-.06	34	65
35-45-0185	5451845	1357797	7-61	7	305	17,807	4.13	735	13	15,269	3.71	567	4-72		44	544	.16	43	52
35-45-0185	6305779	1386406	2-65	4	300	21,867	3.32	727	17	15,725	3.76	592	1-71		44	1,005	-.05	28	53
35-45-0185	7073372	1347940	1-68	2	305	20,940	4.09	856	13	14,980	3.72	557	10-71		40	1,098	.05	48	72
35-45-0185	7073374	1347940	5-68	2	305	17,635	3.74	660	17	15,530	3.77	586	3-72		40	712	.00	26	43
35-45-0185	7289477	1399283	10-68	2	295	20,070	3.87	777	15	15,510	3.82	592	3-72		40	726	-.01	24	42
35-45-0189	7467740	1306247	9-69	1	129	23,060	3.61	833	18	16,870	3.68	621	3-72	B	35	922	-.02	30	53
35-45-0191	6756294	1261857	2-67	3	305	18,757	3.66	687	12	14,600	3.50	511	12-71		42	872	.07	42	61
35-45-0192	6760450	1347065	10-66	3	305	23,186	3.82	885	20	15,263	3.60	550	11-71		42	1,011	.02	39	63
35-45-0192	6810125	1360676	1-67	3	305	20,943	3.84	804	19	15,733	3.69	580	4-72		41	1,028	.04	43	66
35-45-0192	6836111	1473929	3-67	3	305	20,000	3.47	694	15	14,950	3.66	547	11-71		32	810	-.05	21	42
35-45-0192	6922108	1360676	8-67	2	305	18,480	3.43	634	24	15,055	3.61	543	5-71		39	781	-.01	27	46
35-45-0262	5779732	1386406	1-63	6	305	17,515	3.97	695	10	14,346	3.57	512	12-70		44	635	.07	34	47
35-45-0263	6811707	1383926	3-67	2	305	22,055	3.59	791	11	15,500	3.60	558	3-71		40	893	.02	35	56
35-45-0263	6962808	1397209	10-67	2	305	19,925	3.67	731	14	16,140	3.53	570	3-71		40	703	.00	25	42
35-45-0263	7354553	1404814	5-69	1	305	21,890	3.71	812	9	15,960	3.57	569	6-71		35	613	.05	29	42
35-45-0337	7210459	1365341	6-68	1	305	18,870	3.11	587	22	14,820	3.37	499	1-71		36	836	-.04	24	45
35-45-0443	6002614	1375016	9-63	4	275	17,532	3.64	639	22	13,045	3.68	480	5-71	B	37	823	-.02	26	46
35-45-0553	6502909	1441026	11-65	4	300	19,295	3.38	653	16	14,952	3.83	572	1-72		41	1,021	-.10	22	49
35-45-0564	6982314	1261857	1-68	2	293	15,120	4.07	615	12	13,605	3.36	457	1-72		40	551	.12	38	48
35-46-0006	6641302	1236789	6-66	4	305	18,917	3.70	699	18	15,700	3.66	575	2-72		43	729	.01	28	45
35-46-0006	6641305	1236789	10-66	4	305	21,430	3.44	737	13	16,187	3.67	594	4-72		43	987	-.03	31	55
35-46-0006	7311760	1236789	12-68	1	305	21,640	3.85	834	8	14,580	3.57	520	5-71		35	886	.03	37	57
35-46-0008	4977225	1236789	9-59	7	305	18,430	3.80	700	10	14,920	3.66	546	11-70		44	772	.03	32	50
35-46-0008	6988974	1458744	1-68	2	305	18,650	3.64	678	12	14,130	3.70	523	8-71		40	906	-.01	31	53
35-46-0008	7016550	1458744	2-68	2	305	18,765	3.74	702	18	14,825	3.81	565	7-71		40	854	-.01	30	50
35-46-0015	6740152	1303198	9-66	3	305	18,420	3.66	674	6	13,773	3.63	500	3-72		42	683	.01	26	42
35-46-0015	6740156	1377954	12-66	2	301	16,560	3.88	642	11	13,105	3.68	482	6-71		40	690	.04	31	46
35-46-0015	6949928	1377954	10-67	2	305	19,530	3.83	748	6	14,290	3.51	501	5-71		40	884	.05	40	60
35-46-0015	7066701	1387978	2-68	2	305	16,520	4.35	718	10	13,570	3.58	486	8-71		40	695	.08	37	51
35-46-0057	6821785	1458744	1-67	3	305	18,986	3.49	663	25	14,540	3.68	535	1-72		42	948	-.03	30	53
35-46-0057	6821787	1458744	4-67	2	304	18,630	3.04	566	26	14,405	3.64	524	8-70		40	879	-.08	20	43
35-47-0018	6501667	1377052	11-65	3	305	25,240	3.71	936	30	15,807	3.56	563	1-71		42	1,258	.03	50	79
35-48-0076	5836487	1335627	4-63	6	299	19,495	3.80	741	16	15,707	3.82	600	3-71		36	690	.01	26	42
35-48-0076	6830030	1365341	1-67	4	296	18,950	4.12	781	23	17,135	3.78	648	2-72		44	729	.04	33	49
35-48-0076	6908006	1261857	5-67	3	285	17,987	3.64	654	20	16,227	3.77	611	6-71		42	615	.04	28	42
35-48-0076	7384589	1417208	5-69	1	285	21,730	3.77	820	23	16,340	3.75	612	7-71		36	827	.01	32	51
35-48-0076	7528521	1417208	2-70	1	305	21,020	4.20	883	22	16,700	3.76	628	2-72		36	750	.06	36	52
35-48-0079	6254027	1199324	10-64	5	302	17,934	3.60	645	13	13,308	3.94	524	1-72		44	1,013	-.05	29	54
35-48-0079	7341491	1458744	12-68	1	305	17,750	3.79	673	17	13,920	3.95	550	9-71		36	761	-.01	26	44
35-48-0083	6769114	1261857	2-67	3	305	20,307	3.86	784	17	16,177	4.13	668	12-71		42	887	.03	37	57
35-48-0085	6918075	1458744	6-67	2	294	17,725	3.68	652	43	13,810	3.91	540	7-71		40	841	-.02	27	48
35-48-0124	7248780	1397209	6-68	2	305	20,420	3.31	676	14	15,120	3.60	544	1-72		40	846	-.06	22	44
35-48-0124	7248783	1495135	8-68	2	305	17,385	4.29	745	9	15,010	3.65	548	4-72		36	605	.13	41	52
35-48-0176	6873779	1467006	7-67	2	305	23,710	3.29	779	26	17,070	3.64	622	12-71		37	1,113	-.07	30	58
35-48-0176	7244013	1365341	1-69	1	305	19,470	3.87	753	25	16,870	3.62	610	11-71		36	743	.01	29	46
35-48-0252	7479008	1427381	11-69	1	305	20,060	3.69	740	19	15,410	3.70	570	1-72		36	1,121	.04	47	73
35-48-0252	7479010	1427381	12-69	1	305	17,400	4.44	773	19	15,410	3.70	570	1-72		36	923	.10	49	68
35-48-0252	7479012	1427381	1-70	1	305	20,930	3.15	659	19	15,410	3.70	570	1-72		36	1,186	-.01	41	70
35-48-0252	7479013	1427381	1-70	1	305	19,810	3.42	678	19	15,410	3.70	570	1-72		36	1,103	.01	42	68
35-48-0252	7479014	1427381	1-70	1	305	23,120	3.52	813	11	14,160	3.76	532	3-72		36	1,433	.02	55	89
35-49-0016	6971078	1467006	8-67	2	305	19,405	3.64	707	33	14,965	3.73	558	3-71		37	857	-.01	29	50
35-49-0016	7137037	1383926	6-68	2	305	18,605	4.46	830	16	13,365	3.91	523	11-71		40	738	.11	43	58
35-49-0016	7234370	1383926	9-68	2	303	20,320	3.55	721	29	14,430	3.78	545	2-72		40	814	.00	29	48
35-49-0019	7662060	1427381	1-70	1	305	16,690	3.72	621	19	13,940	4.00	557	1-72		36	969	.03	39	61
35-49-0020	7145039	1387978	4-68	2	293	21,340	3.76	803	22	16,965	4.09	694	10-71		40	874	-.04	26	48
35-49-0020	7145040	1387978	4-68	2	305	20,895	3.78	789	19	16,795	4.10	689	11-71		40	844	-.04	25	46
35-49-0028	6096640	1265694	5-64	5	305	21,448	3.56	764	18	16,974	3.81	646	1-71		44	909	-.10	18	42
35-49-0028	6555699	1457846	1-66	4	305	21,922	3.68	807	15	17,060	3.73	636	7-71		41	918	-.03	29	52
35-49-0031	6448303	1417208	8-65	4	305	17,603	4.12	726	18	15,600	3.76	586	2-71		44	627	.07	33	46
35-49-0035	6359996	1449583	8-65	5	304	22,460	3.59	806	32	16,982	3.66	621	2-72		37	841	.01	32	52

TABLE 3. HOLSTEIN USDA-OHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C O	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
35-49-0035	6684384	1406271	8-66	3	305	20,773	3.30	686	22	15,693	3.42	537	2-72		42	970	.01	36	$ 59
35-49-0035	6851932	1261857	7-67	2	305	21,110	3.68	777	44	16,485	3.79	625	2-71		40	895	.04	39	59
35-49-0035	6942608	1495493	9-67	3	305	24,513	3.18	779	43	16,747	3.79	635	2-72		29	1,141	-.12	22	53
35-49-0035	6942612	1261857	11-67	2	305	20,355	3.55	723	43	16,130	3.79	612	11-71		40	851	.03	35	54
35-49-0035	7182963	1427381	11-68	1	305	19,290	4.03	777	35	16,840	3.75	631	9-71		36	968	.07	46	67
35-49-0042	6561315	1453418	7-65	4	305	20,692	3.90	808	7	14,717	3.83	563	1-72		40	834	.03	34	53
35-49-0045	6382075	1295580	8-65	1	305	24,860	3.70	919	9	17,900	3.56	637	2-72		27	744	.01	28	46
35-49-0046	5354340	1199324	3-61	6	305	21,045	3.77	794	33	15,805	3.77	596	10-71		44	1,124	.00	40	67
35-49-0046	7023249	1458744	11-67	2	305	18,885	3.82	721	29	16,565	3.75	622	11-71		40	707	.00	26	43
35-49-0052	6689004	1261857	1-67	3	244	19,103	3.81	728	6	16,903	3.80	643	2-71	B	42	673	.06	34	48
35-49-0052	7615323	1427381	4-70	1	305	19,230	3.92	753	7	16,290	3.65	594	3-72		36	1,000	.06	46	68
35-49-0060	7046929	1347940	10-67	2	305	19,070	3.83	730	26	17,080	3.81	651	7-71		40	717	.01	27	44
35-49-0060	7312304	1365341	10-68	1	305	23,030	3.70	853	26	18,470	3.85	711	1-71		36	901	-.02	29	51
35-49-0060	7312305	1365341	11-68	1	303	21,380	3.80	812	29	16,800	3.81	640	7-71		36	890	-.01	31	52
35-49-0075	6872893	1261857	1-67	3	294	16,937	3.56	603	17	13,860	3.96	549	7-71	H	42	739	.02	29	46
35-49-0082	5863798	1386406	4-63	6	303	18,773	3.77	708	20	14,655	3.71	544	2-72		44	761	.03	32	49
35-49-0083	7031228	1261857	9-66	2	305	16,650	4.21	701	17	13,340	3.97	530	6-71		40	730	.09	40	55
35-49-0086	6495735	1347065	12-65	3	305	21,020	3.56	749	12	14,403	3.58	516	9-70		42	851	-.02	27	48
35-49-0093	7069006	1261857	3-68	2	305	19,270	3.70	713	18	17,265	3.78	652	10-71		40	637	.05	30	44
35-49-0111	6976609	1458744	9-67	3	305	19,520	3.90	762	16	15,763	3.92	618	4-72		42	883	.01	33	54
35-49-0150	6715325	1258673	8-66	4	302	21,245	3.74	794	6	15,068	3.68	554	3-72		44	618	.14	43	54
35-49-0150	6879561	1261857	10-67	3	302	17,717	3.84	680	22	15,197	3.68	560	2-72		42	690	.08	37	51
35-49-0150	7067600	1261857	11-67	3	300	16,987	3.87	657	25	15,110	3.68	556	1-72		42	615	.08	34	47
35-49-0179	7578132	1447414	9-69	1	305	24,180	3.59	868	7	15,840	3.84	608	12-71		35	1,250	-.05	38	69
35-50-0005	6482600	1366229	12-65	2	305	19,465	3.89	758	12	14,200	3.60	511	12-71		40	591	.09	35	47
35-50-0023	6660899	1070036	8-66	2	305	22,875	3.53	808	15	15,015	3.70	555	5-71		40	1,028	.03	41	65
35-50-0023	7400448	1383926	7-69	1	305	22,820	3.46	789	16	16,350	3.85	630	1-72		36	726	-.01	25	42
35-50-0070	7209988	1397209	9-68	2	305	20,960	3.75	786	21	15,435	3.74	578	10-71		40	872	-.01	30	51
35-51-0011	7548195	1306247	12-69	1	305	21,910	3.55	777	14	17,170	3.86	662	11-71		35	815	-.04	23	44
35-51-0028	6498812	1366229	3-66	4	273	18,287	3.74	684	5	14,082	3.60	507	11-71	B	44	571	.08	32	44
35-52-0023	6498871	1417208	7-65	5	295	19,634	3.59	704	16	16,982	3.72	631	3-72	H	44	735	-.01	25	43
35-52-0023	6949250	1417208	9-67	3	300	21,763	3.35	730	24	17,960	3.67	659	10-71		42	852	-.04	25	46
35-52-0023	6949254	1458744	11-67	2	305	21,200	3.50	743	11	18,570	3.69	686	8-71		40	759	-.03	23	42
35-52-0038	7163447	1455703	3-68	2	296	16,205	3.76	609	27	11,725	3.95	463	9-71		30	701	.00	25	42
35-52-0039	6967160	1261857	8-67	2	301	17,955	4.36	782	24	16,435	3.81	626	11-71		40	580	.13	40	50
35-52-0039	7372128	1427381	1-69	2	305	20,660	3.91	808	19	16,280	3.88	632	2-72		40	1,185	.05	51	78
35-52-0054	7383255	1458744	11-68	1	129	17,710	4.32	765	5	14,400	3.69	532	3-71	B	36	725	.05	34	50
35-52-0056	5389853	1244845	9-60	6	305	21,360	3.84	821	32	16,633	3.90	649	1-72		44	634	-.02	27	47
35-52-0056	6519047	1441149	11-65	3	305	19,940	4.28	854	34	17,140	3.82	654	11-70		37	464	.12	34	42
35-52-0056	6609713	1445073	7-66	4	305	22,777	3.78	860	32	17,022	3.88	661	3-72		36	966	.00	35	58
35-52-0056	6637073	1422259	7-66	2	305	22,655	4.06	919	32	17,185	3.98	684	5-71		33	746	.01	29	46
35-52-0056	6645061	1396617	7-66	3	305	22,056	3.94	868	34	16,470	3.89	641	2-71		36	1,075	.00	38	64
35-52-0062	6872967	1377954	4-67	3	282	16,400	3.84	630	20	13,537	3.83	519	1-72		42	661	.02	27	42
35-52-0069	6777989	1347448	2-67	3	305	18,263	4.61	842	8	14,236	3.80	541	7-71		42	582	.15	43	53
35-52-0070	6807012	1377052	12-66	3	304	20,520	4.14	849	21	16,803	3.82	642	12-71		42	604	.06	31	44
35-52-0112	6929947	1303184	10-67	2	305	18,400	4.11	756	19	14,340	3.81	547	3-71		35	662	.04	30	45
35-52-0112	7113479	1458744	6-68	2	305	20,195	3.53	712	16	14,370	3.90	561	8-71		40	1,041	-.04	31	57
35-53-0003	6743294	1374286	1-67	3	300	18,903	3.56	673	37	14,230	3.89	554	10-71		39	966	-.09	22	48
35-53-0010	7331315	1242221	11-68	2	299	16,310	3.68	601	11	14,680	3.74	549	2-72		38	802	-.01	28	47
35-53-0013	5866043	1354943	4-63	5	305	18,142	4.04	733	21	14,304	3.74	535	6-71		36	606	.08	34	46
35-53-0015	7077939	1469166	1-68	2	305	19,410	3.97	770	17	13,865	3.58	497	8-71		35	782	.09	42	58
35-53-0015	7382634	1458744	2-69	1	305	17,520	3.60	631	21	13,280	3.62	481	10-71		36	786	-.01	27	46
35-53-0022	6488289	1330987	10-65	4	305	18,238	3.74	682	16	14,765	3.68	543	12-71		44	715	.04	32	46
35-53-0022	6488290	1330987	10-65	3	305	18,333	3.52	646	11	14,180	3.72	527	1-71		42	764	.01	29	47
35-53-0022	7516455	1427381	11-69	1	305	20,900	3.76	785	12	16,330	3.73	609	1-72		36	1,122	.05	48	73
35-53-0023	5988417	1237057	10-63	5	305	19,246	3.39	653	29	14,324	3.73	534	1-71		44	894	-.08	20	43
35-53-0025	6997397	1366229	11-67	3	305	24,466	4.10	1003	12	16,900	3.92	662	3-72		42	956	.11	51	71
35-53-0028	5499933	1106334	9-61	5	305	18,204	4.28	780	6	12,698	3.75	476	11-71		44	739	.15	49	63
35-53-0041	6744905	1383004	2-66	4	305	22,140	3.45	763	10	15,610	3.68	575	11-71		44	784	.05	36	53
35-53-0041	6745197	1383004	10-66	3	305	24,906	3.87	965	10	16,576	3.67	608	2-72		42	944	.14	55	74
35-53-0041	7022830	1383004	1-67	3	305	21,183	3.64	772	9	15,833	3.72	589	9-71		42	593	.09	35	47
35-53-0041	7022831	1383004	1-68	2	305	21,295	3.90	830	7	15,710	3.67	577	1-72		40	541	.14	40	49
35-53-0041	7150261	1383004	6-68	2	305	21,525	4.33	931	9	16,295	3.71	604	11-71		40	510	.19	47	54
35-53-0052	6948318	1242221	9-67	2	304	20,715	3.84	795	13	16,980	3.78	642	2-71		38	1,046	.01	40	64
35-53-0052	7439321	1242221	8-69	1	305	19,680	3.21	631	14	16,680	3.78	630	2-72		34	920	-.05	25	48
35-53-0053	5949420	1314767	10-63	6	303	17,846	4.25	759	14	13,995	3.67	513	5-71		44	617	.11	39	51
35-53-0059	6216909	1314767	5-64	4	305	20,440	3.62	740	14	14,942	3.70	553	5-71		44	813	.01	31	50
35-53-0059	6993278	1070036	12-67	2	305	21,510	3.44	741	13	16,120	3.78	609	4-71		40	788	.01	30	48
35-53-0073	7243511	1427381	9-68	2	305	15,905	3.70	589	10	13,395	3.87	518	3-72		40	966	.03	39	61
35-53-0073	7243514	1458744	2-69	1	287	16,480	3.93	648	8	13,590	3.58	486	9-71		36	688	.02	28	44
35-53-0237	6701381	1373055	9-66	3	305	22,160	3.69	818	22	15,603	3.69	576	1-72		42	932	-.03	29	52
35-53-0237	6958740	1458744	10-67	2	305	19,865	3.42	679	9	15,465	3.69	570	5-71		40	907	-.04	27	50
35-53-0237	7024589	1458744	1-68	1	305	22,550	3.56	803	28	15,530	3.86	600	7-71		36	1,010	-.03	32	57
35-53-0305	6800089	1383004	1-67	3	293	18,896	3.49	659	11	13,083	3.68	481	11-71		42	615	.07	33	46
35-54-0007	7187005	1478014	6-68	2	305	21,595	3.53	763	18	16,780	3.57	599	2-72		40	771	.01	30	48
35-54-0036	6508070	1242221	3-66	4	303	16,020	3.68	590	22	14,185	3.79	537	7-71		42	823	-.01	28	48
35-54-0036	6848891	1465678	11-66	3	305	17,730	3.75	665	29	15,126	3.79	573	12-70		38	709	.00	25	42
35-54-0036	6848892	1465678	11-66	3	305	17,980	3.59	646	22	14,443	3.89	562	9-71		38	816	-.04	24	44
35-54-0036	7023232	1495881	1-68	2	305	19,595	3.88	761	23	14,370	3.85	553	4-71		37	1,015	-.01	35	59
35-54-0039	7102338	1397561	8-68	2	304	19,510	4.44	866	23	15,545	3.80	591	12-71		40	513	.10	33	43
35-54-0041	7088139	1242221	12-66	2	305	19,890	3.44	685	12	15,655	3.69	577	1-71		38	1,084	-.03	34	61
35-54-0042	6835533	1468011	5-67	3	305	20,160	3.56	718	19	14,893	3.77	562	11-71		35	899	-.02	30	52
35-54-0042	6835534	1468011	5-67	3	305	19,746	3.88	766	14	15,136	3.75	568	10-71		35	817	.04	35	53
35-54-0042	6993000	1495881	8-67	2	305	19,770	3.42	677	18	15,380	3.86	593	1-71		37	937	-.08	22	46
35-54-0042	6993001	1495881	1-68	2	305	22,130	3.35	741	18	16,255	3.80	617	11-71		37	1,104	-.08	27	56

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C D	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
35-54-0042	7166010	1465678	3-68	2	305	16,905	3.82	645	23	14,015	3.74	524	6-71		36	701	.00	26	$ 43
35-54-0045	6116203	1386406	3-64	5	305	21,464	3.56	764	28	15,286	3.89	594	6-71		44	1,035	-.03	33	58
35-54-0045	6700583	1237057	8-66	2	305	21,460	3.65	783	23	15,795	3.86	609	2-71		40	868	-.05	23	45
35-54-0055	6946582	1314767	10-67	2	300	23,360	3.18	744	10	17,235	3.62	624	5-71		40	785	-.04	22	42
35-54-0055	7226694	1428104	12-68	2	305	25,350	3.68	932	8	17,120	3.80	651	3-72		40	1,312	-.07	36	69
35-54-0055	7435501	1428104	11-69	1	305	20,830	3.72	775	14	14,560	3.72	542	10-71		35	948	-.07	24	48
35-54-0063	5704572	1386406	4-62	6	305	21,895	3.93	861	20	16,591	3.68	611	5-71		44	939	.07	44	65
35-54-0063	6659142	1383004	10-66	3	305	19,856	3.81	757	17	14,013	3.80	533	10-71		42	629	.11	39	51
35-54-0063	6977652	1458744	12-67	2	305	18,435	4.20	774	25	16,040	3.78	607	6-71		40	710	.05	33	49
35-54-0063	7365835	1427381	5-69	1	305	18,400	3.72	685	29	15,240	3.90	594	10-71		36	1,009	.03	41	64
35-54-0064	7254655	1519443	12-68	2	305	20,840	3.75	781	10	14,475	3.70	535	3-72		25	806	.02	32	51
35-54-0064	7278568	1519443	8-68	2	305	22,070	3.24	714	11	14,435	3.75	541	11-71		25	967	-.08	23	48
35-54-0082	6750079	1448176	1-67	3	305	21,203	3.75	795	29	15,130	3.71	561	11-71		33	874	.03	36	56
35-54-0082	6894401	1448176	6-67	2	305	20,175	4.14	835	29	15,310	3.70	566	12-70		30	642	.09	37	50
35-54-0082	6999150	1471173	12-67	2	301	21,490	3.30	710	16	15,210	3.75	571	4-71		29	889	-.09	18	42
35-54-0085	6699105	1261857	11-66	1	305	16,760	3.71	621	8	14,730	3.79	558	4-71		36	585	.05	29	42
35-54-0089	7184890	1339836	6-67	3	305	23,800	3.29	783	7	16,447	3.61	594	1-72		41	984	-.09	22	48
35-54-0091	7046152	1374286	9-67	3	304	20,426	3.29	672	22	15,203	3.91	594	3-72		39	1,065	-.13	18	47
35-54-0145	7261835	1261857	2-69	1	305	16,740	3.79	635	12	12,300	3.51	432	6-71		36	746	.08	39	55
35-54-0261	5538843	1216957	12-61	5	305	19,556	3.99	780	30	15,348	3.77	579	1-72		44	550	.07	31	42
35-54-0354	6752219	1377954	7-66	3	305	18,310	3.41	624	7	14,800	3.54	524	5-71		42	750	-.01	26	44
35-54-0399	5938535	1218021	9-63	2	305	22,080	4.13	912	8	16,265	3.68	598	11-71		33	623	.13	42	53
35-54-0399	6804377	1498643	7-66	2	305	22,745	3.18	723	6	17,495	3.77	659	3-72		30	993	-.12	18	45
35-54-0399	7267339	1427381	9-68	1	305	21,880	3.62	791	7	19,660	3.56	700	1-71		36	972	.05	42	64
35-55-0012	5814693	1270685	1-63	6	305	15,558	4.31	670	13	12,601	3.76	474	10-71		42	451	.13	35	42
35-55-0025	5897962	1335599	6-63	7	304	18,281	4.60	841	19	14,150	3.79	536	1-72		36	458	.21	48	53
35-55-0025	6259101	1383926	9-64	4	305	18,680	3.81	711	17	14,767	3.85	568	9-71		44	692	.03	29	45
35-55-0025	7310888	1427381	1-69	1	305	21,820	4.18	912	27	15,180	3.74	568	12-71		36	1,268	.09	60	88
35-55-0044	7575057	1365341	10-69	1	305	19,520	3.68	719	17	15,720	3.67	577	12-71		36	824	-.01	28	48
35-56-0009	6660503	1261857	11-66	4	305	19,213	3.55	682	19	15,500	3.61	559	3-72		44	855	.05	38	57
35-56-0020	7050482	1365341	9-67	3	284	16,373	3.47	568	7	13,703	3.65	500	12-71		42	781	-.03	23	43
35-56-0020	7050484	1365341	10-67	2	305	16,755	3.68	616	9	12,720	3.63	462	2-71		40	892	-.01	31	52
35-56-0027	7466285	1427381	10-69	1	305	17,950	4.01	720	36	15,680	3.71	582	12-71		36	946	.07	45	66
35-56-0033	6039458	1330987	7-63	6	304	17,825	3.66	652	15	13,082	3.77	493	1-72		44	873	.02	35	55
35-56-0044	6807469	1467006	4-67	3	303	20,663	3.90	805	22	17,033	4.00	682	11-71		39	836	-.01	29	49
35-56-0045	5470814	1190632	7-61	7	305	21,866	3.42	748	29	15,576	3.96	617	10-71		44	1,038	-.15	15	44
35-56-0045	6885723	1365341	9-67	3	304	20,886	3.57	746	42	16,050	3.97	637	1-72		42	1,057	-.05	30	57
35-56-0045	7531168	1427381	12-69	1	305	19,200	3.93	754	42	16,100	3.93	633	12-71		36	1,011	.05	44	67
35-56-0045	7533517	1427381	1-70	1	305	19,540	4.21	823	46	16,130	3.94	635	1-72		36	1,034	.08	49	72
35-56-0048	7094171	1397209	6-68	2	302	19,765	3.60	712	9	14,755	3.67	542	4-72		40	813	-.02	26	46
35-56-0050	6630667	1366229	8-66	3	305	21,430	3.84	823	32	17,120	3.80	651	3-71		42	584	.07	31	43
35-56-0050	6997399	1366229	12-67	2	299	22,135	4.27	946	31	17,365	3.75	652	2-71		40	573	.14	42	52
35-56-0050	6997400	1366229	1-68	3	296	24,366	3.99	972	30	17,950	3.68	660	2-72		42	836	.11	47	64
35-56-0050	7280832	1366229	1-69	2	302	22,355	4.33	967	32	17,995	3.66	659	1-72		40	538	.16	43	52
35-56-0057	5517982	1313975	11-61	8	304	20,293	4.24	861	15	16,373	3.89	637	3-71		36	700	.11	42	56
35-56-0065	6972272	1377954	9-67	3	262	19,123	3.69	706	17	14,853	3.82	567	9-71	B	42	838	.01	31	51
35-56-0077	7219914	1387978	9-68	2	302	18,220	3.82	696	10	13,910	3.75	522	10-71		40	836	.01	31	51
35-56-0079	7259953	1387978	3-69	1	305	21,950	3.38	742	17	17,650	3.63	640	6-71		36	774	-.03	23	42
35-56-0088	6001164	1330987	2-63	7	301	17,146	3.39	581	30	13,796	3.54	489	1-72		44	703	.00	26	43
35-56-0088	7416545	1330987	8-67	3	305	18,620	3.54	659	32	15,070	3.46	522	1-72		42	705	.04	31	47
35-56-0118	6945565	1261857	9-67	2	305	16,090	4.02	647	22	13,480	3.94	531	8-71		40	660	.07	35	49
35-56-0218	6980933	1377954	9-67	2	305	24,995	3.72	931	8	16,195	3.74	605	3-71		40	1,264	.02	49	78
35-56-0235	6570444	1449586	10-64	3	305	22,003	3.10	682	6	14,293	3.78	540	2-71		29	1,098	-.12	21	51
35-56-0392	7505208	1261857	8-68	2	279	17,470	3.98	696	9	14,665	3.64	534	3-72		40	692	.09	39	53
35-56-0444	7739559	1495135	12-69	1	305	18,860	4.23	797	15	17,230	3.72	641	12-71		32	520	.10	34	44
35-56-0476	6933441	1450555	4-65	2	305	18,420	4.51	830	14	14,160	3.98	564	2-72		25	536	.10	35	45
35-56-0477	6851004	1457318	4-67	3	305	18,826	4.10	772	6	14,316	3.74	535	11-71		34	821	.08	42	59
35-56-0518	7058297	1398216	4-68	1	302	21,840	3.65	798	12	15,470	3.62	560	10-71		36	848	-.04	25	46
35-56-0536	7281103	1387978	11-68	2	305	23,620	3.19	754	18	16,050	3.70	594	1-72		40	1,189	-.08	30	61
35-56-0542	6917188	1261857	9-67	2	294	16,860	3.91	660	19	15,235	3.69	562	8-71		40	578	.08	33	45
35-57-0001	7085599	1383926	1-68	2	305	20,770	3.13	650	5	14,535	3.50	509	5-71		40	851	-.03	26	47
35-57-0006	7254577	1427381	8-68	2	283	19,095	3.75	716	42	14,735	3.64	536	10-71		40	1,167	.05	50	76
35-57-0012	6106691	1381987	3-64	4	305	20,192	3.93	793	12	15,672	3.87	606	12-71		40	633	.03	28	42
35-57-0017	7287095	1497798	9-68	1	305	20,710	3.53	732	21	13,240	3.52	466	4-71		26	779	-.02	25	44
35-57-0042	5980201	1329588	12-63	5	304	19,256	3.64	700	19	13,936	3.74	521	2-71		44	874	-.02	28	49
35-57-0042	6957500	1261857	7-67	2	305	16,465	3.94	648	13	13,920	3.76	523	3-71		40	658	.08	36	49
35-57-0047	6191925	1397027	3-63	6	305	19,203	3.54	680	11	14,673	3.80	558	6-71		36	788	-.03	24	44
35-57-0047	6458699	1340669	12-64	5	305	20,150	3.53	711	14	14,676	3.80	558	1-72		44	926	-.09	19	44
35-57-0047	7093961	1458744	5-67	3	305	19,050	3.65	696	19	15,776	3.78	596	12-71		42	827	-.02	27	47
35-57-0048	7095758	1432170	3-68	2	305	23,130	3.57	825	10	16,135	3.64	587	12-71		30	805	.01	30	49
35-57-0053	6471865	1386406	9-64	5	305	21,542	3.68	792	23	15,570	3.75	584	2-71		44	1,012	.01	38	62
35-57-0053	7150076	1428104	11-67	2	305	23,530	3.59	845	18	16,815	3.69	620	7-71		40	1,154	-.07	30	60
35-57-0053	7415409	1495881	10-68	1	305	22,210	3.79	841	24	17,510	3.67	643	4-71		33	888	-.01	30	52
35-57-0071	7445784	1427381	10-69	1	305	15,370	3.73	574	7	13,330	3.66	488	1-72		36	911	.05	40	60
35-57-0077	4408318	1242342	12-56	9	305	18,630	4.54	846	17	15,530	3.68	572	3-71		36	550	.18	46	54
35-57-0077	5981428	1309948	9-63	6	305	21,480	4.21	905	28	16,968	3.78	642	8-71		43	822	.07	41	59
35-57-0077	6778883	1458744	11-66	4	305	20,837	3.38	704	17	17,825	3.72	663	3-72		44	839	-.05	22	43
35-57-0086	6672311	1484737	7-66	4	305	21,285	3.61	769	20	16,043	3.76	604	10-71		34	1,049	-.03	33	59
35-57-0086	6672313	1484737	9-66	4	305	23,973	3.96	949	19	17,188	3.81	655	1-72		34	1,288	.04	53	82
35-57-0086	6672315	1484737	9-66	4	305	22,570	3.35	755	19	17,108	3.82	653	1-72		34	1,096	-.09	25	54
35-57-0086	6672320	1373055	10-66	4	305	23,150	3.57	827	28	17,952	3.81	684	12-71		44	847	-.06	21	43
35-57-0086	6801472	1484737	2-67	3	305	21,650	3.49	755	12	16,533	3.80	628	5-71		32	992	-.05	28	53
35-57-0086	6888512	1484737	9-67	3	305	21,663	3.81	825	14	17,620	3.80	669	4-72		32	862	.01	32	52
35-57-0086	7118399	1453637	5-68	2	305	23,635	3.61	853	13	17,220	3.73	643	6-71		29	850	.00	30	50
35-57-0086	7269235	1478014	9-68	2	305	22,205	3.64	808	29	16,780	3.83	642	9-71		40	833	.01	31	51

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C O	REPT (%)	.......C O W MILK (LB)	I N D E X....... FAT (%)	FAT (LB)	DOL-LARS
35-57-0086	7611469	1453637	11-69	1	305	23,530	4.39	1034	24	18,360	3.93	721	12-71		23	546	.09	33	$ 44
35-57-0105	5264183	1331314	5-60	5	305	20,284	4.59	932	15	16,162	3.92	634	5-71		41	454	.18	43	49
35-57-0105	5769213	1404266	10-62	4	305	20,700	3.69	763	25	15,762	3.98	627	8-70		38	963	-.02	31	55
35-57-0105	5893833	1270685	3-63	6	305	20,286	3.84	779	19	16,150	3.98	642	3-71		42	659	.04	30	45
35-57-0105	7151105	1270685	3-68	2	305	22,385	3.97	889	22	15,235	3.93	599	10-71		37	851	.07	42	60
35-57-0105	7369850	1471956	6-68	2	305	20,315	4.12	837	19	17,460	3.92	685	2-72		39	723	.03	31	47
35-57-0125	7291021	1458744	12-68	1	305	19,750	3.79	749	16	15,690	3.68	577	10-71		36	791	.01	30	49
35-57-0155	6839104	1357797	4-67	3	294	17,833	3.93	701	24	15,290	3.74	572	11-71	B	42	516	.12	37	46
35-57-0374	6504568	1383004	10-65	4	305	22,267	4.07	907	5	17,905	3.72	666	2-72		44	544	.16	44	53
35-57-0374	6990085	1468011	10-67	2	302	21,410	3.92	840	8	18,195	3.76	684	12-71		32	631	.04	29	43
35-59-0011	6623220	1454720	9-65	4	299	18,132	4.45	806	17	16,285	3.72	605	1-72		40	469	.13	36	44
35-59-0014	7333602	1458744	2-69	1	305	24,760	3.08	763	26	17,420	3.67	640	5-71		36	1,048	-.08	26	53
35-59-0014	7430182	1458744	8-69	1	305	23,090	2.85	659	20	16,770	3.52	591	10-71		36	967	-.08	22	47
35-59-0078	7052217	1282936	12-67	2	305	21,395	3.96	847	17	17,255	3.73	644	12-71		40	634	.03	28	42
35-59-0079	7516794	1365341	10-69	1	305	16,610	4.41	733	17	14,980	3.65	547	1-72		36	657	.05	31	45
35-59-0084	6931850	1383926	1-67	3	303	22,106	3.44	760	22	16,456	3.68	606	11-71		42	882	-.01	30	51
35-59-0084	7421476	1418353	4-69	1	305	22,570	3.87	874	19	17,520	3.66	642	1-72		34	719	.03	30	46
35-59-0091	6341273	1330987	10-64	5	305	18,222	3.62	660	9	15,006	3.65	548	9-71		44	701	.03	30	46
35-59-0105	6317750	1397209	12-64	5	305	20,118	3.61	726	16	17,380	3.41	593	3-71		44	672	.01	26	42
35-59-0118	6844077	1397209	7-67	3	305	18,116	3.37	611	12	13,580	3.61	490	11-71		42	803	-.05	21	42
35-59-0119	6950007	1471561	12-67	2	305	22,550	4.06	915	11	15,915	3.61	575	11-71		31	924	.09	47	67
35-59-0119	7223656	1330987	11-68	1	305	22,020	3.51	773	17	16,610	3.59	596	1-71		36	737	.03	31	48
35-59-0122	6269444	1252142	2-65	4	305	20,280	4.54	920	10	15,543	3.56	554	1-71		43	690	.15	47	59
35-59-0232	6608053	1441298	6-66	1	305	20,210	3.64	735	15	14,230	3.79	540	5-71		33	1,163	-.07	31	61
35-59-0388	6787007	1397209	11-66	3	300	21,370	3.41	728	16	15,596	3.51	547	1-71		42	969	-.04	29	53
35-59-0388	6857962	1347448	4-67	2	305	21,935	3.41	749	9	15,855	3.42	543	9-71		40	753	.01	29	47
35-59-0605	7415005	1447141	9-68	1	305	20,390	3.50	714	20	15,170	3.57	542	11-71		36	637	.05	30	44
35-60-0001	6662150	1386406	8-66	3	305	21,130	3.51	742	42	16,563	3.56	589	1-71		42	785	.00	29	48
35-60-0001	6662151	1386406	9-66	3	305	21,313	3.30	704	43	16,486	3.54	583	3-71		42	815	-.03	25	45
35-60-0001	7071769	1315423	1-68	2	305	23,220	3.44	799	49	15,695	3.68	577	11-71		40	1,060	-.09	24	52
35-60-0001	7130372	1498143	12-67	2	305	21,850	3.49	762	40	15,405	3.56	549	5-71		29	884	-.03	28	50
35-60-0024	6752435	1466701	2-67	2	305	15,075	3.49	526	23	10,395	3.44	358	11-71		29	747	.01	28	46
35-60-0024	6889671	1466701	7-67	1	305	17,120	3.76	644	28	11,530	3.43	395	6-71		23	728	.04	32	48
35-60-0024	7137410	1466701	8-68	2	305	15,565	3.86	601	28	10,310	3.45	356	1-72		29	816	.06	38	56
35-60-0024	7291348	1466701	2-69	1	305	17,910	2.91	522	21	10,340	3.46	358	1-72		23	896	-.05	24	47
35-60-0025	6742015	1441298	9-66	2	305	18,635	3.02	562	18	14,040	3.65	513	2-71		38	1,134	-.13	20	51
35-60-0039	6652469	1366229	7-66	4	305	20,757	3.73	775	21	16,422	3.67	603	1-72		44	616	.07	32	45
35-60-0039	7458430	1397209	11-69	1	305	24,760	3.19	789	24	16,810	3.80	638	1-72		36	930	-.08	21	45
35-60-0040	6193808	1386406	8-64	5	247	19,300	3.15	608	12	14,428	3.69	533	1-72	B	44	855	-.07	20	42
35-60-0040	7107659	1423320	5-68	2	305	18,445	4.01	740	13	14,735	3.54	521	5-71		39	461	.12	34	42
35-60-0049	5419246	1070036	8-61	5	305	19,634	3.80	746	20	16,100	3.45	556	7-71		44	686	.09	39	53
35-60-0049	7247636	1458744	8-68	2	305	20,080	3.64	730	24	15,155	3.66	554	1-72		40	957	.00	34	57
35-60-0051	7360384	1365341	3-69	1	305	19,940	3.25	649	13	16,350	3.63	593	9-71		36	813	-.05	22	43
35-60-0055	6536429	1441298	3-66	3	305	21,070	3.44	724	12	17,846	3.65	652	10-70		40	1,055	-.08	25	52
35-60-0060	6840451	1444650	1-67	3	305	19,937	3.86	770	25	14,287	3.62	517	10-71		34	744	.07	37	53
35-60-0064	6838246	1480248	12-66	3	305	22,747	3.51	799	18	15,563	3.80	591	1-72		29	1,041	-.04	31	57
35-60-0073	6975679	1261857	10-67	2	302	17,265	3.74	646	29	15,675	3.60	564	5-71		40	579	.07	32	44
35-60-0073	7214564	1377954	7-68	2	305	21,460	3.64	782	40	16,225	3.67	596	11-71		40	903	.02	35	56
35-60-0083	6495377	1459966	12-65	4	305	21,648	3.38	732	13	14,905	3.66	546	5-71		30	1,033	-.05	29	55
35-60-0083	6972555	1306247	12-67	3	305	20,500	3.24	665	22	15,797	3.62	572	3-72		42	960	-.08	23	48
35-60-0089	6154712	1383926	9-64	5	305	20,378	3.96	806	16	17,196	3.68	632	2-72		44	648	.08	35	48
35-60-0089	6606328	1441298	4-66	4	305	22,507	3.14	707	13	17,190	3.72	640	12-71		41	1,331	-.15	24	60
35-60-0094	6586283	1236789	12-65	4	305	20,525	3.57	732	12	15,707	3.78	594	3-71		43	929	-.02	30	53
35-60-0094	6708160	1236789	9-66	3	305	21,823	3.77	823	11	14,933	3.72	556	8-71		42	1,128	.02	44	70
35-60-0107	6534477	1448297	12-65	5	304	19,512	3.56	694	19	16,086	3.57	574	2-72		43	782	-.03	23	43
35-60-0114	7383871	1365341	4-69	1	305	19,400	3.58	695	17	16,000	3.78	604	6-71		36	796	-.02	25	45
35-60-0117	5972272	1309948	11-63	6	305	21,713	3.57	776	21	17,428	3.67	639	10-71		43	798	-.03	24	44
35-60-0121	6968222	1366229	8-67	3	300	20,880	4.34	907	19	16,466	4.08	672	1-72		42	588	.12	39	50
35-60-0121	6968224	1492653	8-67	3	305	22,603	4.16	940	19	16,410	4.13	677	12-71		29	912	.05	40	60
35-60-0121	7139288	1520057	8-68	2	305	23,340	4.14	966	21	16,370	4.20	688	1-72		25	907	.03	38	59
35-60-0123	5969646	1199324	10-63	4	305	20,050	3.65	732	36	14,955	3.84	574	4-71		44	1,072	-.02	35	61
35-60-0123	7321012	1505402	2-69	1	305	16,570	3.96	656	7	11,550	3.65	422	7-71		23	549	.08	32	43
35-60-0123	7321014	1505402	2-69	1	305	16,510	4.26	703	7	11,550	3.65	422	7-71		23	544	.11	36	46
35-60-0125	6559944	1397209	6-66	3	299	18,930	4.09	774	14	15,010	3.90	585	8-71		42	749	.02	30	47
35-60-0125	6835833	1397209	11-66	3	302	17,286	4.08	706	11	13,683	3.86	528	6-71		42	697	.02	28	44
35-60-0127	7346964	1441298	3-68	1	305	20,500	3.31	679	7	14,070	3.65	513	10-71		33	1,197	-.09	29	60
35-60-0128	6976756	1383004	8-67	2	305	18,565	4.09	760	5	13,880	3.78	525	1-71		40	431	.14	37	43
35-60-0199	6790874	1431228	10-66	3	305	19,716	4.05	799	10	15,820	3.72	589	1-72		32	536	.08	32	42
35-60-0199	7347379	1418353	3-69	1	305	21,420	3.82	818	23	16,140	3.66	590	8-71		34	726	.02	29	46
35-60-0320	7241319	1357797	10-68	2	301	20,055	3.47	696	15	16,060	3.56	572	1-72		40	641	.08	35	48
35-61-0014	6613801	1192713	2-66	4	305	23,245	3.66	850	23	17,425	3.76	656	10-71		44	969	-.01	33	56
35-61-0014	6613804	1222994	3-66	4	305	23,263	3.46	804	26	17,955	3.76	675	1-72		44	958	-.04	28	52
35-61-0014	6723962	1222994	9-66	4	305	22,080	3.48	768	22	17,935	3.74	671	3-72		44	814	-.04	24	44
35-61-0014	6723964	1261857	9-66	4	303	20,540	4.00	822	28	18,228	3.69	672	11-71		44	715	.11	42	56
35-61-0014	6962285	1261857	10-67	2	305	23,575	3.53	833	18	17,670	3.64	644	4-71		40	1,037	.04	43	67
35-61-0014	7137271	1387978	9-68	2	305	22,060	4.13	912	25	18,650	3.69	688	1-72		40	793	.06	38	55
35-61-0014	7287644	1497475	11-68	1	305	22,530	3.50	788	15	18,100	3.65	661	3-71		31	849	.00	30	50
35-61-0016	7630714	1330987	9-68	2	305	20,260	3.80	769	13	15,835	4.02	637	1-72		40	763	.02	30	48
35-61-0017	7610923	1365341	12-69	1	305	18,070	3.76	680	5	13,870	3.79	526	11-71		36	840	-.01	29	49
35-61-0018	7021848	1383926	1-68	2	305	22,880	3.37	771	15	17,025	3.62	616	4-72		40	837	-.01	28	48
35-61-0018	7021849	1383926	2-68	1	305	21,550	4.23	911	19	16,870	3.65	615	10-70		36	597	.09	35	47
35-61-0018	7295646	1365341	3-69	1	305	18,830	4.05	763	20	16,260	3.55	578	10-71		36	736	.04	32	49
35-61-0022	7100413	1383926	12-67	3	293	24,560	3.19	783	15	17,543	3.76	659	10-71		42	1,052	-.07	27	54
35-61-0210	6826338	1308101	3-67	2	305	18,465	3.62	669	19	16,345	3.49	570	2-71		40	813	-.01	28	48
35-62-0012	6710073	1377052	11-66	3	301	20,973	3.45	723	12	15,367	3.62	557	9-71		42	807	-.02	26	46

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C D	.......C O W REPT (%)	I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
35-62-0050	5062460	1245390	3-60	5	304	18,494	3.65	675	46	14,206	3.67	522	7-71		43	862	-.05	23	$ 45
35-62-0067	6285114	1361520	1-65	5	303	18,668	3.43	641	13	14,150	3.49	494	12-71		37	765	-.02	24	43
35-62-0071	6076372	1314767	11-63	5	296	19,040	3.52	670	25	14,240	3.57	509	5-71		44	743	.01	29	46
35-62-0071	7327544	1393997	6-69	1	305	19,830	3.74	741	13	14,450	3.58	517	7-71		35	712	.03	30	46
35-62-0117	6693077	1406271	8-66	3	305	17,343	4.06	704	10	14,600	3.56	520	4-72		42	689	.10	40	54
35-62-0274	6963291	1314767	3-66	4	305	19,697	3.66	721	15	13,855	3.67	508	7-71		44	842	.02	34	53
35-62-0274	7233167	1377052	6-67	3	301	19,527	3.64	710	13	13,860	3.71	514	1-72		42	797	.00	29	48
35-63-0016	6546705	1458744	5-66	3	305	18,873	4.10	774	15	16,223	3.65	592	3-71		42	761	.06	37	53
35-63-0016	6845799	1476018	3-67	3	305	18,136	4.33	785	15	15,270	3.61	551	8-71		34	450	.13	35	42
35-63-0016	6932468	1458744	10-67	3	305	18,136	3.79	687	17	15,260	3.75	572	12-71		42	775	.01	29	47
35-63-0016	7194531	1458744	11-68	1	305	18,950	4.04	765	16	15,990	3.67	587	9-71		36	711	.03	30	46
35-63-0041	7552793	1495881	7-69	1	305	22,340	3.48	777	6	16,400	4.17	684	2-72		33	977	-.09	22	48
35-63-0071	7073179	1458744	1-68	1	305	19,670	3.12	614	20	14,640	3.57	523	11-71		36	855	-.05	23	45
35-63-0075	6768771	1242221	2-67	3	293	19,280	3.49	672	13	15,530	3.63	564	9-71		41	1,064	-.02	35	61
35-63-0105	6417967	1314767	7-65	4	305	21,327	3.57	761	13	16,122	3.58	577	2-71		44	791	.02	31	49
35-63-0107	6338294	1423559	7-64	5	300	24,936	3.53	881	35	16,164	3.43	555	3-72		32	1,419	.01	53	86
35-63-0107	6732996	1383004	9-66	3	305	20,326	4.13	840	31	15,613	3.61	564	2-72		42	517	.18	45	53
35-63-0107	7110721	1469167	4-68	2	305	22,385	3.65	816	29	15,600	3.58	558	3-72		32	1,066	.01	40	65
35-63-0107	7494595	1106334	1-69	2	212	24,470	3.60	881	32	15,265	3.66	559	2-72		40	993	.05	44	66
35-63-0107	7595855	1436056	1-70	1	305	27,620	4.25	1174	38	15,780	3.50	552	3-72		26	841	.11	47	64
35-63-0110	6619667	1294703	12-64	3	305	19,563	3.35	656	17	14,000	3.74	523	3-71		42	1,009	-.08	24	50
35-63-0110	6634725	1294703	12-64	3	305	16,730	4.05	677	15	14,017	3.73	523	4-71		42	678	.02	27	43
35-63-0114	7356413	1427381	10-68	1	305	16,800	3.60	604	11	14,320	3.55	509	7-71		36	951	.04	41	62
35-63-0114	7565695	1427381	1-70	1	305	15,310	3.86	591	5	12,870	3.64	468	4-72		36	938	.06	43	64
35-63-0115	6700803	1314767	11-66	2	305	20,400	3.40	694	11	14,510	3.66	531	4-71		40	734	-.01	25	43
35-63-0115	6796044	1469167	5-67	2	305	19,125	3.42	655	17	14,615	3.72	544	3-71		32	793	-.04	23	43
35-63-0124	6713408	1261857	8-66	4	304	20,983	3.73	782	21	16,485	3.63	599	2-72		44	964	.07	45	66
35-63-0124	6738842	1261857	9-66	4	296	18,103	3.81	689	22	16,523	3.63	600	2-72		44	604	.08	34	46
35-63-0124	6738843	1261857	10-66	4	298	19,093	3.61	690	20	16,750	3.64	610	1-72		44	701	.05	33	48
35-63-0124	6974299	1261857	2-67	4	302	20,495	3.27	671	24	16,378	3.61	592	2-72		44	915	-.01	32	54
35-63-0124	6974300	1261857	6-67	3	282	17,560	3.68	647	9	15,093	3.62	547	8-71		42	683	.06	34	49
35-63-0288	6990970	1387978	2-68	2	305	19,285	3.84	741	14	14,800	3.57	528	2-72		40	863	.03	35	55
35-65-0002	7422163	1427381	9-69	1	305	18,160	4.12	749	23	14,330	3.91	560	1-72		36	1,052	.07	48	71
35-65-0026	6777130	1222994	10-66	4	305	21,593	3.81	823	19	18,368	3.87	711	12-71		44	706	.01	27	44
35-65-0026	6809590	1261857	12-66	3	303	18,250	4.36	796	12	16,520	3.87	640	8-71		42	615	.13	42	53
35-65-0051	7840980	1427381	6-69	1	305	20,020	3.65	731	12	15,050	3.72	560	4-72		36	1,142	.04	47	73
35-65-0086	7688692	1427381	12-68	2	299	16,615	4.12	685	19	14,090	3.73	526	3-72		40	974	.08	48	69
35-65-0114	6843044	1484524	6-67	2	305	21,230	4.32	918	16	15,940	4.10	653	1-71		30	568	.08	32	43
35-65-0114	8001300	1427381	2-70	1	305	17,040	3.83	652	15	14,310	3.77	540	2-72		36	970	.05	42	64
35-65-0123	7124968	1340861	2-68	2	305	21,155	3.97	839	9	17,265	3.74	646	2-71		36	748	.05	34	51
35-65-0151	6235907	1406271	12-64	5	305	17,844	3.78	674	21	13,666	3.69	504	9-71		44	887	.05	40	60
35-65-0151	6414105	1417703	10-65	4	305	20,680	3.45	713	20	14,097	3.82	538	3-72		37	965	-.07	24	49
35-65-0173	7496814	1427381	10-69	1	280	16,280	3.56	579	20	13,970	3.59	501	2-72		36	936	.03	39	60
35-65-0178	6980381	1330987	10-67	2	305	19,435	3.56	691	16	16,215	3.41	553	10-71		40	644	.05	30	44
35-65-0178	7158364	1330987	4-68	3	295	20,040	3.23	648	18	16,020	3.42	548	2-72		42	770	-.01	27	45
35-65-0178	7275932	1427381	2-69	1	299	18,950	3.19	605	10	14,560	3.41	497	6-71		36	1,096	.02	42	68
35-65-0194	7429461	1387978	6-69	1	305	19,560	3.72	727	35	16,140	3.64	587	11-71		36	697	.00	25	42
35-65-0203	6678575	1261857	7-66	2	305	18,095	3.44	622	14	13,935	3.89	542	3-71		40	822	.01	31	50
35-65-0214	6516881	1261857	6-65	4	305	16,570	3.99	661	32	14,393	3.97	571	2-72		44	651	.07	34	48
35-65-0218	5802542	1401892	1-63	6	305	20,668	3.62	748	33	13,977	4.16	582	1-72		35	1,172	-.05	34	63
35-65-0218	6639514	1383004	7-66	3	305	19,126	4.50	861	27	15,000	4.16	624	2-71		42	443	.17	41	47
35-65-0218	6962532	1458744	9-67	2	305	16,985	4.46	758	31	14,945	4.18	624	9-71		40	662	.04	30	45
35-65-0226	6978590	1417208	3-66	4	305	17,210	4.05	697	19	15,255	3.81	581	7-71		44	616	.05	30	43
35-65-0226	7141914	1427381	3-68	2	305	19,255	3.50	674	16	16,785	3.79	636	8-71		40	996	.01	37	61
35-65-0226	7414231	1489981	3-69	1	305	20,560	3.86	793	18	15,900	3.84	610	7-71		35	549	.10	34	45
35-65-0226	7564983	1464901	11-69	1	305	17,930	3.95	708	17	16,230	3.85	625	6-71		33	774	.00	28	46
35-65-0249	6253264	1417208	2-65	4	305	19,820	3.36	665	26	15,938	3.84	612	3-71		44	863	-.05	23	45
35-65-0249	6551183	1386406	1-66	4	304	18,050	4.34	784	25	15,220	3.89	592	10-71		44	590	.09	35	47
35-65-0249	6682629	1383004	9-66	3	305	22,920	3.65	837	23	15,120	3.60	544	5-71		42	867	.10	47	65
35-65-0266	6781299	1237057	12-66	4	305	20,468	4.20	859	26	17,823	3.69	657	2-72		44	632	.05	31	45
35-65-0266	7058383	1386406	4-67	3	305	20,803	3.42	712	41	15,480	3.79	587	11-71		42	860	-.03	26	47
35-65-0266	7281101	1427381	4-69	1	305	19,410	3.75	727	26	15,470	3.61	558	8-71		36	1,069	.05	47	71
35-65-0266	7318008	1427381	4-69	1	305	20,750	3.26	676	26	15,470	3.61	558	8-71		36	1,169	.01	43	71
35-65-0266	7386185	1330987	7-69	1	305	23,410	3.12	731	46	16,750	3.76	630	11-71		36	832	-.03	25	46
35-65-0266	7477693	1427381	8-69	1	305	25,820	3.41	880	27	16,250	3.58	582	9-71		36	1,494	.01	56	91
35-65-0266	7477694	1427381	10-69	1	305	26,070	4.49	1171	43	16,370	3.74	613	11-71		36	1,505	.14	76	108
35-65-0266	7477695	1427381	11-69	1	305	18,940	4.14	785	35	16,620	3.88	645	2-72		36	957	.07	45	66
35-65-0266	7477698	1427381	12-69	1	305	19,910	3.26	650	27	16,250	3.58	582	9-71		36	1,054	.01	39	64
35-65-0266	7570031	1427381	10-69	1	305	20,460	3.79	775	25	16,870	3.90	658	3-72		36	1,053	.04	44	68
35-65-0294	6287422	1383004	1-65	4	302	17,715	3.85	682	11	13,812	3.61	499	4-71		44	437	.13	35	42
35-65-0297	7032882	1383004	10-66	4	301	19,717	3.79	747	19	15,682	3.58	561	2-72		44	477	.13	36	44
35-65-0308	6823703	1308101	6-67	2	305	17,345	3.55	616	9	13,780	3.72	512	4-71		40	934	-.04	28	51
35-65-0308	6892651	1308101	9-67	2	305	18,365	3.20	587	8	13,350	3.68	491	7-71		40	1,077	-.08	27	55
35-65-0346	7383921	1387978	12-68	1	305	17,970	3.75	673	22	13,010	4.04	526	1-72		36	788	-.02	25	44
35-65-0354	6336982	1449463	4-65	3	305	20,170	3.40	686	20	14,350	3.60	516	5-71		29	829	-.03	25	46
35-65-0359	6460909	1386406	12-65	1	305	20,540	3.41	701	9	14,310	3.61	517	5-71		36	722	.00	26	43
35-65-0359	6607931	1386406	9-66	3	302	18,093	3.73	675	5	13,990	3.60	503	3-71		42	702	.03	30	46
35-66-0014	7649372	1427381	11-68	1	305	21,970	3.44	756	12	15,500	3.74	580	2-71		36	1,258	.01	47	77
35-66-0015	7155321	1427381	6-68	2	305	17,405	4.01	698	13	13,375	3.90	521	1-72		40	1,120	.06	50	75
35-66-0017	6588868	1261857	4-66	4	305	17,425	3.85	671	8	14,283	3.70	528	7-71		44	769	.08	40	56
35-66-0017	6973495	1261857	10-67	3	298	16,810	3,81	640	14	14,577	3.76	548	9-71		42	650	.06	33	47
35-66-0017	7063975	1477381	3-68	2	305	21,380	3.69	788	18	15,085	3.77	568	12-71		39	969	.03	39	61
35-67-0002	5779818	1386406	6-62	5	303	19,074	3.86	736	27	15,888	3.61	574	6-71		44	657	.06	32	46
35-67-0002	6153771	1386406	8-64	5	305	20,574	3.58	737	29	15,660	3.65	571	12-70		44	877	.00	32	53
35-67-0002	7049321	1386406	12-67	2	300	20,465	3.66	748	23	15,905	3.62	576	5-71		40	721	.02	29	46

TABLE 3, HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION, RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C O	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
35-67-0004	6756146	1236789	10-66	3	305	19,576	3.68	720	18	16,633	3.63	603	1-72		42	688	.01	27	$ 43
35-67-0004	7385193	1536161	7-69	1	305	27,610	3.80	1050	9	19,420	3.71	721	10-71		19	826	.03	34	53
35-67-0017	6480573	1457031	11-65	3	305	19,433	4.18	812	19	14,073	3.99	561	9-71		41	514	.10	34	43
35-67-0017	7545940	1419376	10-69	1	305	20,760	4.23	878	22	15,720	3.95	621	2-72		35	590	.09	35	47
35-67-0020	6378778	1386406	6-65	3	305	20,973	3.45	723	13	15,766	3.63	572	1-72		42	850	-.01	29	50
35-67-0020	7274192	1236789	4-68	1	305	22,480	3.55	797	17	17,430	3.73	650	11-71		35	756	-.01	25	43
35-67-0023	6877853	1478014	7-67	3	305	21,237	3.09	656	13	14,963	3.52	526	2-72		42	985	-.05	28	53
35-67-0038	6479468	1236789	10-65	2	305	22,650	3.85	873	9	19,050	3.75	715	12-70		40	745	.02	30	47
35-67-0038	6664608	1236789	7-66	2	305	21,790	3.74	814	10	18,345	3.85	706	11-70		40	722	-.01	25	42
35-67-0042	5668200	1182696	3-61	4	305	19,170	4.00	766	18	15,468	3.74	578	5-71		44	720	.07	36	51
35-67-0042	7416159	1383004	7-69	1	305	23,620	3.46	817	12	14,790	3.80	562	3-72		36	618	.07	33	46
35-67-0048	6667700	1330987	11-66	3	297	19,727	3.44	678	12	13,597	3.66	497	1-72		42	985	.00	36	59
35-67-0052	5011198	1236789	11-59	7	305	17,921	3.20	574	22	13,562	3.68	499	10-70		44	865	-.07	21	43
35-67-0052	5404420	1236789	1-61	7	262	15,604	4.06	633	12	13,625	3.55	484	10-70		44	555	.07	31	42
35-67-0054	6020843	1277493	11-63	4	305	22,130	3.72	823	20	15,613	3.64	568	2-71		43	904	.00	33	54
35-67-0069	6727490	1236789	10-66	3	305	21,793	3.63	792	17	16,806	3.90	656	2-72		42	928	-.02	30	53
35-67-0069	7066800	1357797	1-68	2	305	20,300	3.76	763	22	17,230	3.95	680	2-72		40	559	.08	32	43
35-67-0074	7158136	1458744	1-68	2	305	17,865	3.83	684	23	15,765	3.65	576	7-71		40	677	.02	27	43
35-67-0078	6531321	1417488	10-64	4	305	18,922	3.63	686	11	14,445	3.72	538	5-71		36	800	-.01	27	46
35-67-0078	6711199	1386406	2-65	4	305	17,907	3.78	676	6	14,237	3.72	529	9-70		44	681	.03	29	44
35-67-0081	5285819	1347263	2-60	5	303	17,688	4.03	713	11	13,958	3.78	528	6-71		32	585	.06	30	42
35-67-0081	6568595	1244845	9-65	3	305	20,150	3.36	678	16	13,907	3.90	543	6-71		42	916	-.09	19	43
35-67-0087	7123241	1458744	4-68	2	297	20,895	3.33	696	16	16,940	3.62	613	5-71		40	877	-.04	25	47
35-67-0087	7162701	1357797	7-68	2	288	22,900	3.77	863	15	17,000	3.62	616	9-71		40	845	.12	48	65
35-67-0087	7162702	1357797	7-68	2	297	22,845	3.66	836	19	17,700	3.69	654	1-72		40	775	.09	42	58
35-67-0087	7385875	1357797	8-68	2	299	20,700	3.71	768	19	17,165	3.79	651	1-72		40	606	.09	35	47
35-67-0091	7119272	1330987	5-68	2	305	19,840	3.39	673	25	15,290	3.68	562	11-71		40	770	.00	28	46
35-67-0209	5460982	1306662	9-61	7	305	19,300	3.53	682	11	14,360	3.59	515	7-71		36	853	-.02	28	49
35-67-0209	6914854	1458744	10-67	3	294	20,980	3.06	643	9	14,550	3.64	529	3-72		42	1,176	-.09	28	59
35-67-0209	7184520	1458744	10-68	2	305	18,440	3.67	676	12	15,695	3.65	573	2-72		40	742	-.01	26	44
35-67-0252	7120887	1236789	7-68	1	305	19,980	3.36	672	5	14,680	3.58	526	5-71		35	754	-.02	24	43
35-68-0002	6973901	1303502	12-67	2	305	20,560	3.80	781	19	14,845	3.77	560	9-71		40	674	.02	28	43
35-68-0002	7241408	1499939	9-68	2	305	20,700	3.86	799	13	14,360	3.84	551	11-71		34	951	.03	39	61
35-68-0013	7616752	1427381	12-69	1	305	18,910	4.07	770	15	15,990	4.00	639	3-72		36	997	.05	44	66
35-68-0030	5965633	1181029	9-63	3	305	19,890	4.39	873	26	15,646	3.78	591	9-70		42	524	.12	37	46
35-68-0030	7512315	1387978	8-69	1	305	19,960	3.76	750	27	15,550	3.69	574	1-72		36	766	.00	28	46
35-68-0030	7557025	1447414	8-69	1	305	18,310	3.47	636	27	15,620	3.71	579	1-72		35	822	-.04	23	44
35-68-0071	7241180	1458744	5-68	1	305	17,820	4.12	734	9	14,480	3.94	570	10-70		36	728	.02	29	46
35-68-0071	7241186	1458744	1-69	1	305	18,950	3.87	734	7	12,970	3.75	487	7-71		36	914	.01	35	56
35-68-0071	7901460	1458744	1-70	1	305	18,570	3.71	689	5	15,310	3.69	565	4-72		36	728	.00	26	43
35-68-0075	6238345	1386406	1-65	4	305	19,910	4.09	814	14	15,450	3.73	576	4-71		44	794	.08	41	58
35-68-0075	6799452	1458744	12-66	4	304	19,090	3.44	656	20	15,817	3.83	606	1-72		44	847	-.06	22	44
35-68-0075	7273945	1458744	12-68	1	305	18,140	4.24	769	24	16,200	3.81	618	10-71		36	637	.03	28	42
35-68-0075	7432323	1458744	8-69	1	305	21,560	3.52	758	27	16,110	3.92	631	11-71		36	898	-.04	27	49
35-68-0078	6934652	1458744	9-67	2	305	19,740	3.53	697	28	15,055	3.81	573	7-71		40	932	-.04	28	51
35-68-0078	7005091	1458744	6-67	2	305	20,535	3.55	728	14	15,560	3.88	603	12-70		40	967	-.04	29	53
35-68-0078	7133214	1513085	6-68	1	305	22,070	4.07	899	9	16,140	3.66	590	2-71		19	580	.06	30	42
35-68-0095	4688941	910991	2-58	7	303	20,794	3.57	743	12	13,223	3.82	505	8-71		44	1,021	-.02	33	58
35-68-0095	7072758	1492221	10-67	3	305	24,823	3.09	768	24	15,923	3.86	614	1-72		29	1,290	-.14	24	59
35-68-0097	6844356	1377954	7-67	2	305	19,375	4.20	814	28	16,395	3.86	633	9-71		40	676	.06	34	48
35-68-0097	7616268	1427381	12-69	1	299	18,590	4.50	836	11	16,970	3.74	635	4-72		36	907	.11	50	68
35-68-0097	7644690	1427381	11-69	1	305	20,260	3.98	806	22	17,120	3.81	652	2-72		36	1,022	.06	46	69
35-68-0193	6453795	1315578	1-66	1	305	21,600	4.02	868	24	17,320	4.00	693	8-71		36	512	.10	34	43
35-68-0193	6537225	1454941	2-66	3	305	25,380	3.41	865	25	17,913	3.78	678	1-72		41	1,060	-.09	25	53
35-68-0193	6541666	1315578	12-65	3	305	20,446	4.23	865	20	17,923	3.69	662	4-71		42	486	.17	43	50
35-68-0193	6608680	1261857	7-66	3	305	20,387	4.35	887	17	18,700	3.63	678	4-71		42	635	.17	48	59
35-68-0193	6665819	1485550	10-66	3	305	25,516	3.20	816	13	19,116	3.80	726	3-71		42	1,125	-.16	15	46
35-68-0193	6671778	1237057	8-66	4	276	20,903	3.68	769	23	16,850	3.79	639	10-71		44	794	-.04	22	42
35-68-0193	7480261	1450228	12-69	1	305	22,990	3.58	824	23	18,710	3.75	702	1-72		35	940	-.04	23	51
35-68-0213	6660825	1276654	6-66	3	305	18,887	3.79	716	14	13,650	3.82	522	1-72		42	721	.01	27	44
35-68-0213	7019119	1428104	3-68	2	301	24,045	3.27	787	22	15,000	3.79	569	11-71		40	1,374	-.13	29	65
35-69-0018	6244169	1383926	9-64	6	305	18,741	3.81	714	31	14,460	3.74	541	2-72		44	754	.04	33	5.
35-69-0018	6835631	1306247	2-67	3	303	17,013	4.09	696	32	14,383	3.69	531	10-71		42	702	.04	31	47
35-69-0018	6959558	1330987	10-67	2	305	18,020	3.62	652	29	14,480	3.66	530	9-71		40	659	.03	28	43
35-69-0018	7224463	1365341	9-68	1	305	18,850	3.38	638	25	15,650	3.67	574	5-71		36	779	-.04	22	42
35-69-0029	6393988	1431993	10-65	4	305	22,110	3.49	772	21	15,625	3.66	572	1-72		37	859	-.07	21	43
35-69-0029	7045634	1397209	5-68	2	304	20,300	3.58	727	29	15,215	3.69	561	10-71		40	825	-.02	26	46
35-69-0029	7405313	1493686	9-69	1	305	21,410	3.25	696	25	17,610	3.61	636	1-72		35	735	.00	26	44
35-69-0033	5976150	1199324	9-63	6	305	22,828	3.62	826	24	16,423	3.59	589	10-71		44	1,283	-.01	45	76
35-69-0033	6064417	1199324	12-63	5	305	20,070	3.84	771	26	16,282	3.72	605	1-71		44	943	.01	36	58
35-69-0039	6931908	1383926	7-67	2	305	20,510	4.09	838	11	15,860	3.84	609	12-70		40	703	.07	36	51
35-69-0039	7076161	1366229	6-68	2	305	21,700	3.75	813	8	16,170	3.85	623	11-71		40	638	.05	31	45
35-69-0052	5738863	1403142	1-63	6	302	22,112	3.99	883	27	17,957	3.66	657	3-72		32	715	.08	38	53
35-69-0052	5841399	1280015	4-63	6	305	22,338	3.92	875	24	17,372	3.70	643	8-71		44	678	.11	41	54
35-69-0052	6165720	1386406	8-64	5	305	20,136	4.09	823	21	17,600	3.65	643	2-72		44	595	.09	35	47
35-69-0052	6426885	1386406	11-65	5	305	22,460	3.46	776	19	18,742	3.68	689	4-72		44	762	-.02	24	43
35-69-0055	6201121	1419974	1-65	5	305	20,354	3.57	726	23	14,486	3.71	537	12-71		32	932	-.02	31	54
35-69-0207	7291753	1458744	2-69	2	305	21,730	3.63	788	5	15,955	3.77	602	4-72		40	1,052	-.02	35	61
35-69-0207	7392032	1458744	4-69	1	305	20,180	3.47	700	6	15,530	3.73	579	5-71		36	834	-.03	26	47
35-69-0215	6979022	1330987	12-67	1	305	15,770	3.96	625	8	11,500	3.90	448	7-71		36	614	.05	29	42
35-69-0226	7060637	1458744	1-68	2	305	24,020	3.85	924	19	17,625	3.78	666	3-72		40	1,132	.01	43	7.
35-69-0226	7060639	1458744	3-68	2	294	19,515	3.43	669	7	16,110	3.75	604	9-71		40	813	-.04	23	43
35-69-0226	7212231	1408640	5-68	1	305	23,600	4.23	998	29	17,950	3.81	684	1-72		35	668	.06	33	47
35-69-0226	7422977	1489981	11-69	1	305	22,150	4.32	956	31	18,110	3.79	686	12-71		35	519	.15	41	49
35-69-0226	7509588	1427381	12-69	1	305	20,810	3.93	818	31	18,290	3.82	699	1-72		36	984	.06	44	66

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C D	.......C O W REPT (%)	I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
35-69-0257	6793513	1383926	3-67	1	305	20,000	4.24	847	11	15,060	3.65	550	2-72		36	603	.09	35	$ 47
35-69-0299	6349288	1441883	12-64	3	305	20,817	3.76	782	25	16,460	3.65	600	12-71		29	651	.02	27	42
35-69-0299	7084559	1306247	3-68	2	305	22,245	3.33	741	21	16,680	3.54	590	10-71		40	1,000	-.05	28	53
35-69-0299	7084560	1306247	4-68	2	305	22,710	3.49	792	21	18,235	3.41	622	5-71		40	904	-.01	31	53
35-69-0299	7526017	1427381	10-69	1	305	22,080	3.69	815	22	16,590	3.67	609	1-72		36	1,193	.04	50	77
35-69-0299	7533470	1427381	10-69	1	305	20,060	3.79	761	22	16,590	3.67	609	1-72		36	1,042	.05	46	69
35-69-0299	7533471	1427381	11-69	1	305	23,240	3.94	916	22	16,590	3.67	609	1-72		36	1,279	.07	57	85
35-70-0001	6816531	1441298	1-67	4	302	17,310	3.89	674	30	15,410	3.75	578	3-72		41	871	-.03	27	49
35-70-0006	6975277	1397209	10-67	3	296	18,823	3.49	656	52	14,166	3.55	503	12-71		42	824	-.03	25	45
35-70-0006	7305064	1427381	11-68	2	305	17,410	3.65	636	19	15,100	3.52	531	2-72		40	963	.05	43	64
35-70-0007	7081532	1397209	1-68	2	305	19,520	3.37	658	47	13,815	3.66	505	11-71		40	874	-.05	24	46
35-70-0099	6334555	1236789	4-65	5	241	18,770	3.86	724	13	16,264	3.58	582	8-71	B	44	659	.05	31	45
35-71-0008	4577883	1257522	1-58	11	301	17,622	3.56	627	12	14,285	3.42	488	6-71		36	707	.01	27	44
35-71-0011	5696337	1370630	11-61	8	293	20,073	3.67	737	27	15,593	3.60	561	11-71		36	777	.01	30	48
35-71-0011	6738369	1386406	1-65	5	305	22,370	3.60	806	37	15,802	3.64	575	11-71		44	1,092	.01	41	67
35-71-0011	7154411	1474049	11-67	3	298	20,376	3.82	778	36	15,640	3.77	589	2-72		33	828	.01	32	51
35-71-0011	7273152	1383926	9-68	2	305	22,110	3.93	868	44	16,100	3.78	608	12-71		40	844	.06	39	58
35-71-0011	7400689	1518076	1-69	1	305	21,220	4.85	1030	38	15,570	3.75	584	3-71		23	475	.19	46	52
35-71-0011	7552858	1474049	10-69	1	305	22,540	3.82	861	34	14,950	3.99	596	10-71		24	881	-.01	30	51
35-71-0013	7805549	1306247	12-69	1	300	21,330	3.50	746	27	16,090	3.73	600	11-71		35	844	-.04	24	45
35-71-0017	6300566	1383926	12-64	3	305	18,086	4.37	791	15	14,190	3.64	516	6-71		42	654	.13	43	55
35-71-0017	6666614	1383926	12-65	5	302	18,208	3.86	702	13	14,536	3.60	524	2-72		44	677	.06	34	48
35-71-0017	7434198	1427381	9-69	1	305	22,000	3.91	860	28	15,210	3.76	572	10-71		36	1,279	.06	56	85
35-71-0022	6495104	1375016	9-65	5	295	16,572	3.65	605	19	11,648	3.55	414	7-71		38	888	-.01	31	52
35-71-0033	6765264	1386406	10-66	2	305	18,235	3.96	723	13	15,065	3.52	530	6-71		40	572	.07	31	43
35-71-0033	7312229	1383926	1-69	1	305	22,630	3.39	768	27	16,260	3.42	556	10-71		36	718	.01	28	45
35-71-0045	6739772	1471561	12-66	2	305	18,905	3.61	683	37	13,480	3.93	530	5-71		31	754	-.02	24	43
35-71-0045	7171932	1397209	8-68	2	305	18,805	3.58	673	45	13,520	4.01	542	1-72		40	828	-.05	22	43
35-71-0050	7656218	1427381	10-68	1	305	18,720	3.46	648	18	15,120	3.43	518	4-71		36	1,041	.04	44	68
35-71-0057	5058910	1289907	10-59	9	305	20,878	3.38	705	13	15,593	3.64	567	1-72		36	945	-.05	26	50
35-71-0057	7074461	1493686	1-68	2	305	20,345	3.48	708	10	16,595	3.63	603	9-71		40	803	.01	30	49
35-71-0057	7135175	1493686	7-68	2	305	20,070	3.59	721	12	18,050	3.62	654	3-72		40	642	.03	27	42
35-71-0057	7135177	1493686	7-68	2	305	19,005	4.19	797	14	17,295	3.64	630	11-71		40	602	.10	37	49
35-71-0057	7307715	1493686	10-68	2	305	20,800	3.79	788	15	17,680	3.61	638	12-71		40	750	.05	35	51
35-71-0057	7405218	1493686	4-69	1	305	20,690	3.67	760	5	15,410	3.65	563	8-71		35	831	.04	36	55
35-71-0071	6973323	1397209	12-67	2	305	21,285	3.34	710	7	16,490	3.46	570	6-71		40	809	-.04	23	43
35-71-0071	7293404	1366229	8-68	2	305	23,725	3.36	798	19	17,430	3.64	634	1-72		40	729	.01	28	45
35-71-0071	7313527	1366229	11-68	2	305	24,435	3.30	807	21	17,420	3.70	644	1-72		40	802	-.01	28	47
35-71-0072	6728590	1070036	11-66	2	305	20,295	3.90	791	14	14,440	3.93	567	6-71		40	819	.06	39	57
35-71-0072	6879775	1357797	8-67	3	305	20,040	3.63	728	23	16,070	3.75	603	1-72		42	692	.08	37	51
35-71-0079	7550176	1458744	10-69	1	305	18,940	3.50	663	24	15,120	3.58	541	11-71		36	769	-.01	26	45
35-71-0079	7550180	1427381	10-69	1	305	17,590	3.66	643	22	15,620	3.58	559	12-71		36	923	.04	40	61
35-71-0079	7550181	1427381	10-69	1	305	18,130	3.55	643	13	16,520	3.64	601	2-72		36	903	.04	38	59
35-71-0083	7221749	1330987	9-68	2	305	18,880	3.37	636	18	14,495	3.59	521	12-71		40	745	.01	28	46
35-71-0088	6977668	1450228	4-66	4	301	17,627	3.15	555	16	14,915	3.47	518	4-72		42	861	-.07	20	42
35-71-0110	5506184	1355376	2-62	4	305	18,895	3.67	694	18	14,808	3.80	562	5-71		42	745	-.02	24	42
35-71-0157	7763002	1427381	5-70	1	305	18,790	4.17	783	20	14,530	4.00	581	3-72		36	1,086	.06	49	73
35-71-0165	6320345	1375016	2-65	1	305	21,860	3.49	764	16	15,420	3.74	577	1-72		27	807	-.05	22	42
35-71-0165	6637737	1471561	9-66	2	305	19,295	3.34	644	11	13,510	3.62	489	8-71		31	796	-.03	24	44
35-71-0165	7405217	1493686	3-69	1	305	18,200	3.66	667	21	15,110	3.73	563	8-71		35	663	.03	28	43
35-72-0024	6277709	1344345	1-65	4	305	19,840	3.82	758	18	14,738	3.77	555	7-71		43	833	-.03	26	47
35-72-0024	7433320	1306247	8-69	1	305	18,810	4.10	771	18	15,520	3.80	590	11-71		35	693	.01	27	43
35-72-0030	6454660	1306247	8-65	5	303	17,712	3.49	619	14	14,536	3.58	520	3-72		44	797	-.03	24	44
35-72-0032	7164701	1306247	7-68	1	305	19,850	3.44	682	14	13,440	3.70	497	10-71		35	913	-.04	27	50
35-72-0042	5942100	1284364	8-63	6	304	20,557	3.66	752	16	15,502	3.81	590	8-71		44	778	-.03	23	42
35-72-0042	6656047	1366229	10-66	4	303	18,527	3.86	715	9	14,700	3.73	549	4-72		44	532	.08	31	42
35-72-0042	7455098	1397209	11-69	1	305	19,390	4.42	858	12	15,720	3.69	580	9-71		36	603	.06	30	43
35-72-0080	7083357	1306247	1-68	1	305	21,650	3.45	748	7	14,990	3.69	553	8-71		35	943	-.04	28	52
35-72-0080	7299396	1306247	2-69	1	305	19,470	3.33	648	7	14,350	3.73	535	4-71		35	822	-.06	21	42
35-72-0161	6210940	1386406	6-64	3	302	20,703	3.38	700	11	16,206	3.52	571	12-71		42	773	-.01	26	45
35-73-0001	7289902	1428104	11-68	1	305	17,760	3.63	644	18	11,550	3.66	423	2-72		35	921	-.07	22	46
35-73-0001	7398921	1428104	7-69	1	305	18,230	3.62	660	18	11,550	3.66	423	2-72		35	957	-.07	23	48
35-73-0050	6971919	1458744	9-67	2	305	18,675	3.21	600	13	14,945	3.67	549	12-71		40	834	-.06	21	42
41-01-0005	7102942	1488315	3-68	2	305	20,670	3.60	744	19	13,700	3.56	488	12-71		29	774	-.01	26	45
41-02-0008	6987395	1387978	11-67	2	305	22,475	4.02	904	12	16,025	4.27	685	4-71		40	1,075	-.01	37	63
41-02-0008	7238624	1418353	10-68	2	305	20,925	3.77	788	10	16,775	3.98	667	3-72		38	745	-.01	25	43
41-02-0008	7276071	1397209	3-68	2	305	22,145	4.46	987	13	16,980	4.28	726	11-71		40	851	.04	37	56
41-02-0049	7174295	1459098	9-67	3	298	15,890	3.70	588	25	14,163	3.81	540	12-71		41	922	-.04	27	50
41-03-9085	6782259	1454161	12-66	2	305	21,805	3.95	862	8	16,530	3.79	626	12-71		30	659	.06	33	47
41-05-0029	6785368	1261857	4-67	3	305	16,043	3.74	600	5	14,507	3.65	529	6-71		42	569	.07	31	43
41-05-0061	7518532	1450228	9-69	1	302	19,450	3.22	627	24	15,090	3.33	503	8-71		35	918	-.05	26	49
41-05-0063	6821636	1440668	1-67	3	299	18,956	3.69	700	15	14,336	3.59	514	9-71		32	794	-.01	27	46
41-05-9098	6356683	1427251	8-65	3	305	19,780	3.61	714	17	14,520	3.57	519	11-70		36	775	-.01	27	46
41-07-0030	6122038	1330987	10-63	6	304	17,520	4.14	725	7	14,160	3.74	530	12-71		44	709	.10	40	54
41-07-0030	6703909	1320306	9-66	4	295	17,270	4.30	742	12	14,718	3.76	554	11-71		41	522	.10	34	44
41-07-0036	6175681	1311429	10-64	4	303	19,923	3.65	728	12	14,865	3.68	547	2-72		44	1,008	-.05	28	54
41-07-0036	6542347	1311429	12-65	4	305	20,298	3.48	707	21	15,170	3.59	544	10-71		44	1,021	-.08	25	51
41-07-0067	7620471	1450228	2-70	1	305	19,350	3.90	755	19	15,820	3.79	600	1-72		35	860	-.01	29	50
41-07-9029	6435190	1406271	10-65	5	305	18,532	3.69	684	18	15,756	3.69	581	2-72		44	733	.04	32	48
41-07-9096	6944951	1489693	10-67	3	305	25,493	3.53	900	9	17,340	3.65	633	12-71		32	1,238	-.03	40	70
41-08-0079	7501139	1427381	11-69	1	305	17,510	3.83	670	21	15,370	3.77	579	1-72		36	934	.05	41	62
41-08-0115	6355850	1259069	1-65	5	305	21,754	3.69	802	8	16,296	3.52	573	3-72		44	858	.01	32	52
41-08-0115	7308747	1427381	10-68	2	305	19,640	3.41	670	13	15,035	3.48	523	12-71		40	1,195	.03	47	75
41-08-0115	7308748	1427381	10-68	2	294	17,850	3.66	653	14	15,180	3.49	530	12-71		40	1,000	.05	44	66
41-08-9010	5754834	1306661	10-62	7	301	23,860	3.19	762	12	17,430	3.61	630	5-71		43	1,030	-.07	26	53

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C O	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
41-08-9010	5979892	1420388	10-63	4	305	23,285	4.00	931	28	18,063	3.68	664	9-71		33	679	.11	41	$ 54
41-08-9010	6256781	1436146	10-64	4	301	23,610	3.61	853	22	17,560	3.66	643	5-71		36	988	-.03	31	55
41-08-9010	6761640	1463249	10-66	3	305	23,233	3.57	830	23	18,456	3.62	668	1-71		33	767	.00	27	45
41-08-9010	6761643	1463249	11-66	4	300	22,760	3.49	794	22	18,230	3.65	665	11-71		35	776	-.03	24	43
41-08-9010	7140258	1463249	9-68	2	305	24,135	3.22	777	19	17,825	3.68	656	3-72		30	862	-.08	19	42
41-09-0053	7364840	1417208	9-67	1	305	21,810	3.55	775	22	18,070	3.66	662	11-71		36	717	.00	26	43
41-09-0053	7364841	1417208	9-67	3	301	20,830	3.77	785	22	18,540	3.69	685	10-71		42	684	.02	28	44
41-09-0062	7849728	1435690	6-69	1	301	24,130	3.18	767	18	15,210	3.59	546	9-71		36	673	.02	27	43
41-09-0106	7426803	1365341	12-67	1	305	17,890	3.23	578	14	13,340	3.53	471	11-71		36	862	-.04	25	47
41-09-0106	7426805	1365341	3-68	1	305	16,390	3.78	620	17	13,810	3.47	479	12-71		36	719	.01	28	45
41-10-0035	7255318	1427381	11-68	1	298	17,160	3.69	634	37	15,530	3.66	568	9-71		36	897	.04	39	59
41-10-0035	7420785	1458744	9-69	1	305	19,110	3.69	705	39	15,580	3.65	569	10-71		36	751	.00	27	45
41-10-0065	7201166	1427381	11-68	1	305	21,110	3.60	760	12	13,980	3.73	521	8-71		36	1,295	.03	52	82
41-10-0065	7201167	1427381	12-68	1	305	18,210	4.14	753	17	14,080	3.67	517	9-71		36	1,073	.08	51	74
41-10-0065	7428169	1427381	7-69	1	300	18,130	4.49	814	17	14,080	3.67	517	9-71		36	1,067	.11	56	78
41-10-0082	6721503	1377954	10-66	4	299	18,978	3.97	754	23	15,195	3.92	595	11-71		44	810	.03	34	52
41-10-0082	6721506	1377954	10-66	4	303	18,418	3.88	715	12	15,408	3.87	597	1-72		44	718	.02	29	46
41-10-0082	6721508	1377954	11-66	3	302	19,043	4.07	775	19	15,207	3.93	598	9-71		42	792	.05	36	54
41-10-0082	6721510	1377954	12-66	3	300	17,390	4.22	733	19	15,207	3.93	598	9-71		42	602	.06	31	44
41-10-0082	6981015	1377954	5-67	3	302	18,890	3.81	719	22	15,373	3.94	605	10-71		42	757	.00	28	46
41-10-0131	7526196	1513824	7-68	2	305	21,500	3.29	708	15	15,620	3.51	549	1-72		29	817	-.04	23	44
41-10-0179	6963388	1458744	11-66	2	305	21,915	3.51	770	19	14,005	3.78	530	1-71		40	1,249	-.03	40	71
41-10-0240	7481738	1458744	10-69	1	298	19,330	3.91	755	9	16,650	3.78	629	3-72		36	695	.01	27	43
41-10-0275	6701848	1473250	12-66	3	305	18,740	3.45	646	10	13,137	3.72	489	3-71		29	781	-.04	22	42
41-10-0300	7349737	1427381	10-68	2	301	18,315	3.98	729	22	13,815	3.65	504	1-72		40	1,172	.08	54	80
41-10-0300	7349738	1427381	12-68	2	305	16,700	3.99	666	25	12,365	3.74	462	9-71		40	1,141	.07	52	77
41-10-0300	7372275	1427381	11-68	2	293	15,100	3.91	591	30	12,560	3.72	467	9-71		40	960	.06	44	65
41-10-0324	7704274	1427381	1-69	2	305	18,895	3.64	688	13	14,595	3.61	527	2-72		40	1,160	.04	48	75
41-10-0339	6721502	1377954	10-66	4	301	19,435	3.67	713	6	16,565	3.57	591	2-72		44	714	.03	30	46
41-10-0347	5644997	1244845	9-62	4	305	19,503	3.81	743	17	14,075	3.70	521	3-72		44	865	.00	31	52
41-10-9062	6649048	1459098	6-66	3	274	15,983	3.63	580	18	14,023	3.74	524	11-71	B	41	948	-.04	28	52
41-10-9062	6701846	1459098	12-66	3	305	17,196	3.82	657	9	14,933	3.66	546	4-71	H	41	995	-.01	35	59
41-10-9062	6931465	1459098	9-67	2	305	16,155	3.94	637	18	14,005	3.63	509	12-71		38	968	.00	35	58
41-10-9062	7256171	1459098	12-68	2	305	21,780	3.20	698	13	15,325	3.57	547	2-72		38	1,432	-.09	38	75
41-10-9066	7298465	1427381	1-69	1	305	18,600	4.22	785	9	14,800	3.82	566	7-71		36	1,053	.08	51	74
41-10-9068	7264177	1493686	1-69	1	305	21,550	3.71	800	7	12,140	4.10	498	4-71		35	1,118	.02	43	69
41-10-9068	7428202	1391688	10-69	1	305	20,290	3.58	727	16	13,970	3.79	530	10-71		35	850	-.07	20	42
41-10-9068	7520901	1493686	2-70	1	305	18,710	3.72	696	17	13,950	3.86	539	3-72		35	780	.03	32	50
41-11-9027	6760705	1474740	11-66	2	305	20,090	3.54	711	11	14,695	3.56	523	10-70		32	1,149	-.05	33	62
41-14-0092	6766033	1365341	4-67	2	305	21,235	3.43	728	16	15,720	3.75	589	9-71		40	1,073	-.05	31	58
41-14-0092	7468825	1521141	6-69	1	305	19,480	3.75	731	24	15,440	3.81	589	11-71		24	767	-.02	24	43
41-14-0092	7541654	1521141	10-69	1	305	22,840	3.57	816	23	15,320	3.81	584	12-71		24	1,076	-.04	32	59
41-14-0092	7541659	1521141	1-70	1	305	22,260	3.43	763	8	14,970	3.83	574	3-72		24	1,052	-.06	28	55
41-14-0092	7541672	1521141	2-70	1	305	19,940	3.71	739	8	14,970	3.83	574	3-72		24	846	-.04	25	46
41-14-0103	6005773	1199324	9-63	4	305	15,680	3.41	535	21	12,983	3.52	457	9-71		44	752	-.03	23	42
41-17-0005	7578617	1422506	4-68	2	305	19,140	3.71	710	13	14,315	3.49	499	2-72		40	750	.05	34	51
41-19-0004	6365979	1411230	5-65	4	305	18,240	3.62	661	6	12,433	3.85	479	3-71		43	706	.03	30	46
41-19-0047	7139685	1397209	8-68	1	305	21,530	3.77	811	25	15,940	3.82	609	3-71		36	748	-.01	25	43
41-19-0110	7010519	1417208	12-67	3	305	16,337	3.73	609	22	13,720	3.56	489	2-72		42	667	.03	28	43
41-19-0198	6885293	1365341	9-67	2	305	15,945	3.89	621	14	13,705	3.85	528	1-71		40	720	.00	26	43
41-19-0206	6832178	1422506	9-66	4	303	19,140	3.49	668	33	15,380	3.47	534	12-71		43	725	.01	28	45
41-19-0210	6751867	1417208	12-66	3	301	19,110	3.89	744	13	16,183	3.87	626	7-71	H	42	730	.02	30	47
41-19-0210	6893366	1417208	5-67	3	305	21,107	3.28	692	11	16,223	3.81	618	7-71		42	956	-.06	25	49
41-19-0210	7123487	1347940	9-67	3	298	20,566	3.72	765	6	16,986	3.91	664	4-72		42	912	-.02	30	52
41-19-0210	7181662	1273756	7-68	2	305	19,855	3.89	773	11	17,045	3.82	651	7-71		40	629	.04	29	43
41-19-0210	7424835	1447414	8-69	1	305	19,510	3.73	728	15	17,310	3.89	674	8-71		35	798	-.04	23	43
41-19-0210	7547023	1427381	12-69	1	305	21,360	3.78	808	7	17,310	4.16	720	12-71		36	1,091	.02	42	67
41-19-0256	7215832	1516239	12-68	2	305	22,280	3.49	778	19	13,600	3.73	507	10-71		30	1,309	-.05	40	72
41-19-9039	6018428	1248558	11-63	5	304	22,380	3.23	722	27	15,730	3.60	567	5-71		38	1,009	-.06	27	53
41-19-9039	7232793	1427381	6-68	2	295	18,560	3.87	719	28	15,860	3.58	567	7-71		40	1,010	.08	48	7[illegible]
41-19-9039	7232791	1427381	1-69	1	298	20,160	3.77	761	22	16,190	3.68	596	5-71		36	1,076	.05	47	71
41-19-9039	7232801	1489981	9-68	2	305	24,455	3.65	893	33	18,345	3.53	648	12-71		39	843	.10	45	62
41-19-9039	7387912	1427381	2-69	1	305	23,790	3.40	809	32	16,820	3.53	593	8-71		36	1,305	.02	50	81
41-19-9039	7387914	1427381	5-69	1	305	22,660	3.47	786	34	16,930	3.50	592	9-71		36	1,213	.03	49	77
41-19-9039	7387915	1427381	6-69	1	305	18,660	3.82	713	34	16,930	3.50	592	9-71		36	915	.07	43	63
41-19-9039	7387919	1408640	7-69	1	305	25,450	3.48	886	33	19,110	3.53	674	12-71		35	729	-.01	25	43
41-19-9039	7451509	1427381	7-69	1	305	22,940	3.56	817	38	18,180	3.43	623	10-71		36	1,150	.05	49	75
41-19-9039	7649223	1427381	8-69	1	305	24,480	3.59	878	27	19,390	3.48	674	12-71		36	1,184	.05	50	77
41-19-9059	6723427	1377954	12-66	3	305	16,387	4.11	673	21	14,227	3.58	510	3-71		42	588	.08	33	45
41-19-9059	6993067	1413165	7-67	3	305	20,596	3.14	647	16	14,456	3.57	516	1-72		42	1,027	-.14	15	43
41-19-9059	7316216	1387978	12-68	1	305	18,500	3.57	660	20	14,890	3.47	516	1-71		36	702	.00	25	42
41-19-9064	5855592	1386406	4-63	5	304	19,370	4.51	874	28	14,914	3.70	552	1-72		44	808	.15	52	67
41-19-9064	6211154	1320094	2-64	5	302	24,500	4.04	989	26	14,464	3.75	543	2-72		36	1,516	.09	69	103
41-19-9077	6836785	1222994	2-67	3	303	19,750	3.67	724	29	15,373	3.70	569	9-71		42	779	.01	29	47
41-19-9077	7001447	1377954	10-67	2	295	21,155	3.28	694	34	15,620	3.61	564	5-71		40	927	-.04	28	51
41-19-9135	6788462	1206797	12-66	3	305	21,447	3.78	811	20	17,657	3.47	613	12-71		42	686	.04	31	46
41-19-9135	7163649	1347940	2-68	2	305	20,235	3.58	724	28	17,045	3.59	612	9-71		40	838	.00	30	50
41-20-0005	7025257	1397209	1-68	2	305	21,315	3.61	770	35	16,205	3.47	563	10-71		40	838	.00	30	50
41-20-0006	6450356	1365341	11-65	5	301	21,242	3.07	652	38	16,668	3.46	576	3-72		44	1,084	-.08	26	54
41-20-0006	6450358	1365341	11-65	3	300	18,966	3.66	694	40	16,200	3.55	575	9-70		42	821	.00	30	49
41-20-0015	6505380	1370538	7-65	3	305	17,803	4.15	738	14	14,470	3.72	539	3-71		35	517	.11	35	44
41-20-0015	7333096	1477381	1-69	1	305	18,770	4.00	751	18	15,180	3.58	543	1-72		35	611	.07	32	45
41-20-0018	6612415	1441665	8-65	3	305	18,173	3.92	713	8	13,146	3.54	466	3-71		33	623	.07	33	46
41-20-0031	6840956	1365341	5-67	2	305	17,625	3.81	671	15	15,275	3.53	539	5-71		40	747	.02	30	47
41-20-0031	7232329	1512907	10-68	2	304	20,935	3.32	696	19	14,795	3.57	528	11-71		25	782	-.04	22	42

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C D	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
41-20-0113	5271200	1312679	2-61	8	305	20,223	3.74	756	11	15,884	3.68	585	8-71		32	712	.02	28	$ 45
41-20-0140	7164591	1365341	11-67	2	305	15,020	3.65	548	11	12,575	3.41	429	11-71		40	729	.01	28	45
41-20-0176	7631377	1427381	3-70	1	305	18,920	3.87	732	11	17,370	3.45	599	2-72		36	905	.07	44	64
41-20-9010	7162223	1365341	10-66	3	305	18,860	3.76	709	32	15,496	3.85	596	12-71	B	42	882	-.01	30	51
41-21-0006	6253070	1423371	11-64	6	299	20,525	3.76	772	23	15,308	4.04	619	12-71		36	899	-.05	25	48
41-21-0006	7313721	1462966	10-68	2	305	21,420	3.91	838	21	15,225	4.14	631	11-71		31	816	.02	32	51
41-21-0017	6460765	1365341	11-65	5	300	18,268	3.57	652	22	14,366	3.75	539	11-71		44	968	-.03	30	54
41-21-0084	6876351	1330987	10-66	3	305	18,447	3.59	662	16	14,730	3.81	561	10-71		42	720	.01	27	44
41-21-0136	7593699	1427381	3-70	1	305	19,240	3.83	736	9	15,340	3.62	556	3-72		36	1,065	.06	48	72
41-21-0207	7040237	1484441	11-67	3	219	20,573	3.74	769	23	16,166	3.74	604	3-71		36	728	.00	27	44
41-21-9001	6997798	1377954	9-67	3	305	20,880	3.87	809	25	15,670	3.75	587	1-72		42	955	.04	41	63
41-22-0056	6687123	1359626	9-66	4	305	20,138	3.82	770	10	15,403	3.68	567	6-71		44	706	.01	27	44
41-22-0120	6137871	1106334	4-64	5	304	18,632	3.99	743	16	15,730	3.52	553	9-71		44	438	.13	35	42
41-22-0120	7521380	1450228	10-69	1	305	18,680	3.44	642	13	13,400	3.91	524	2-72		35	976	-.06	26	51
41-22-9015	5712095	1277213	8-62	6	298	21,915	3.80	833	10	16,867	3.62	610	6-71		44	508	.11	34	43
41-22-9015	5992754	1390630	10-63	4	305	22,805	4.26	971	15	16,973	3.72	632	1-71		35	925	.14	55	73
41-22-9015	6802102	1474740	12-66	2	305	20,135	3.76	757	10	16,760	3.57	598	5-71		32	940	-.02	31	54
41-22-9015	6840351	1397209	2-67	2	305	22,895	3.81	873	29	16,475	3.71	612	9-70		40	973	.01	36	59
41-22-9015	7498553	1393997	8-69	1	305	24,950	3.93	981	15	19,590	3.83	750	2-72		35	749	.04	33	50
41-23-0047	6360565	1314767	10-63	6	284	20,321	3.45	702	28	15,238	3.64	555	11-71		44	792	-.01	27	46
41-23-0047	6592250	1383004	9-65	4	305	19,990	3.67	733	28	15,425	3.70	570	11-71		44	539	.09	33	43
41-23-0051	6356235	1240638	5-65	5	302	22,206	3.68	818	12	15,998	3.69	590	1-72		44	845	.05	38	57
41-23-0091	5975604	1386406	12-62	7	297	20,404	3.24	661	23	15,347	3.54	544	12-71		44	891	-.04	26	48
41-23-0319	7152835	1417208	9-68	1	276	21,870	3.26	714	12	18,020	3.46	623	11-71	B	36	725	-.01	24	42
41-23-9296	6700671	1365341	7-66	4	301	17,695	3.70	654	11	15,062	3.68	554	9-71		44	804	-.01	28	47
41-23-9296	7041142	1458744	12-67	2	305	19,040	3.41	650	9	15,275	3.45	527	4-71		40	841	-.02	28	48
41-24-0115	6606675	1377954	1-66	4	305	16,125	3.86	623	13	13,403	3.63	487	10-71		44	657	.04	30	45
41-24-0165	6523513	1458744	3-66	1	305	20,640	3.26	672	25	15,380	3.49	536	1-72		36	878	-.03	27	49
41-24-0175	7453425	1365341	11-69	1	305	17,560	3.47	610	21	13,700	3.78	518	9-71		36	813	-.03	24	44
41-24-9001	7127182	1397209	8-68	2	301	17,510	4.09	716	21	14,070	3.55	499	2-72		40	647	.04	30	44
41-25-0035	7439505	1383926	10-69	1	305	22,120	3.32	734	14	15,020	3.81	572	11-71		36	763	-.02	25	44
41-25-0057	6540336	1330987	1-66	4	305	16,978	4.16	706	13	14,600	3.66	534	9-71		44	578	.10	36	47
41-25-0061	6921262	1441525	1-66	4	305	21,022	4.13	868	22	15,817	3.67	580	10-71		34	751	.10	42	57
41-25-0061	7132704	1397209	7-68	2	305	21,020	3.88	816	40	16,120	3.66	590	10-71		40	816	.02	32	51
41-25-0072	7023265	1330987	1-68	2	300	18,375	3.47	638	19	14,175	3.71	526	4-71		40	723	.01	27	44
41-25-0128	6351625	1417208	4-65	5	305	18,496	3.68	680	17	15,530	3.84	597	11-71		44	757	-.01	26	44
41-25-0128	6849609	1417208	10-66	4	302	19,930	4.11	819	20	16,195	3.83	620	12-71		44	848	.07	41	59
41-25-0128	7252862	1417208	11-68	2	305	20,165	4.15	836	23	16,715	3.75	627	11-71		40	760	.07	38	54
41-25-0148	6956649	1377954	8-67	2	305	19,790	3.33	659	16	15,110	3.75	567	2-72		40	835	-.03	25	46
41-25-0148	7058909	1261857	12-67	2	294	17,960	3.74	671	18	15,025	3.63	545	9-71		40	709	.07	36	51
41-25-0156	6604426	1417208	3-66	4	303	19,093	3.21	612	10	15,330	3.74	574	2-72		44	841	-.07	20	42
41-25-0159	5522008	1199324	3-61	9	305	16,871	3.88	655	10	14,364	3.62	520	2-72		44	753	.03	31	48
41-25-0267	6469545	1452590	12-65	5	299	24,088	3.29	792	12	17,846	3.78	675	12-71		32	1,044	-.11	21	49
41-25-0299	7027660	1458744	4-68	1	305	18,880	3.44	650	34	14,300	3.91	559	5-71		36	819	-.04	23	44
41-25-0301	7268400	1365341	11-68	1	304	19,480	3.49	680	8	11,430	3.66	418	6-71		36	1,108	-.03	36	63
41-25-0352	7336255	1427381	11-68	1	305	18,660	3.81	711	22	14,950	3.65	546	1-72		36	1,048	.05	46	69
41-25-0385	6714232	1365341	6-66	4	301	17,792	3.54	630	30	15,610	3.54	552	12-71		44	755	-.01	25	43
41-25-0392	6294415	1265694	12-64	4	305	22,348	3.55	793	17	15,183	3.85	585	8-71		43	1,198	-.10	28	59
41-25-0416	7490123	1458744	9-68	2	305	20,995	3.20	672	19	15,085	3.95	596	10-71		40	1,057	-.09	24	52
41-25-0515	6175513	1390677	9-64	6	301	19,857	3.10	616	5	13,998	3.66	512	3-72		36	953	-.12	16	42
41-25-9012	6375793	1347065	5-65	5	305	21,372	3.38	722	15	15,854	3.59	569	12-71		44	817	-.06	21	42
41-25-9012	6892926	1330987	5-67	3	299	20,307	3.60	731	10	15,630	3.47	542	8-71		42	841	.04	37	56
41-25-9142	7220891	1458744	12-68	1	305	19,590	3.08	604	5	14,110	3.78	533	5-71		36	885	-.06	22	45
41-25-9142	7683779	1365341	12-68	1	305	21,100	3.62	763	7	13,760	3.72	512	8-71		36	1,073	-.02	36	62
41-25-9359	6671827	1261857	7-66	4	305	16,243	3.89	632	17	14,105	3.64	513	11-71		44	643	.09	36	49
41-25-9359	6671828	1261857	7-66	4	305	17,960	4.09	734	17	14,023	3.65	512	10-71		44	864	.12	49	66
41-25-9380	6958822	1398216	9-67	3	305	17,693	4.05	717	9	13,773	3.94	542	9-71		42	776	-.01	27	46
41-26-0024	6637048	1458744	10-66	3	298	19,416	4.04	784	31	16,370	3.48	570	10-70		42	808	.07	40	57
41-26-0024	6665750	1458744	10-66	3	302	23,503	3.34	785	20	15,523	3.50	543	3-71		42	1,365	-.04	43	77
41-26-0024	7504757	1458744	10-69	1	305	19,650	3.16	621	40	15,790	3.35	529	10-71		36	777	-.03	23	42
41-27-0046	6739394	1311429	1-67	3	305	19,857	3.54	702	12	16,080	3.56	572	11-71		42	841	-.07	20	42
41-27-0046	7009245	1459098	2-68	2	305	18,360	3.19	586	11	14,590	3.56	519	8-71		38	1,143	-.08	29	58
41-27-0046	7232743	1517287	11-68	2	299	20,270	3.75	761	20	15,875	3.53	560	10-71		36	908	.01	35	56
41-27-0152	6581254	1302422	5-66	4	300	19,643	4.03	791	21	16,225	3.57	579	1-72		43	503	.11	35	44
41-27-0152	6899548	1365341	9-67	2	293	19,180	3.28	630	22	15,295	3.69	565	10-71		40	903	-.06	23	46
41-27-0152	7573154	1399283	12-69	1	305	20,390	4.42	902	27	16,020	3.61	579	1-72		36	605	.05	29	42
41-27-0272	5034210	1320301	9-59	8	297	19,734	3.85	759	10	16,418	3.69	606	5-71		35	686	.03	29	45
41-28-9095	7170233	1387978	3-68	2	305	21,420	3.90	835	15	18,335	3.55	650	10-71		40	757	.04	33	50
41-28-9095	7607810	1432733	12-69	1	305	23,970	3.22	773	10	16,530	3.53	584	3-72		35	873	-.04	25	47
41-30-0004	7217045	1397209	10-68	2	291	19,120	3.76	719	18	14,525	3.66	532	12-71		40	768	.00	27	45
41-30-0017	7053869	1422506	12-67	2	305	20,260	3.51	711	17	15,595	3.51	547	9-71		40	747	.01	29	46
41-30-0049	7196671	1330987	10-68	2	305	16,065	4.03	647	7	12,165	3.67	447	12-71		40	672	.07	35	49
41-32-0066	6054511	1398559	11-63	6	305	19,062	3.45	657	6	13,917	3.36	468	12-71		36	837	-.01	28	48
41-33-0071	7404851	1417208	7-69	1	305	18,040	3.84	693	12	15,230	3.47	528	8-71		36	626	.04	29	43
41-33-0076	7754815	1427381	10-69	1	305	16,000	3.41	546	15	14,310	3.70	529	12-71		36	893	.02	35	56
41-33-0082	7151013	1261857	4-68	2	305	19,465	3.80	739	24	17,185	3.49	599	9-71		40	664	.09	38	51
41-33-0143	6019293	1199324	12-63	5	290	17,260	3.69	637	12	13,768	3.72	512	1-72		44	873	-.01	30	51
41-34-0122	6808469	1359626	1-67	4	304	21,728	3.64	790	8	17,030	3.35	571	3-72		44	722	.02	29	46
41-34-0122	6940667	1261857	10-67	3	301	19,730	3.77	743	27	17,887	3.49	624	10-71		42	643	.09	37	50
41-34-0122	7472966	1458744	9-69	1	305	18,990	3.91	742	6	16,880	3.44	580	2-72		36	654	.04	29	44
41-34-0128	6310963	1386406	3-65	4	300	18,022	3.66	659	24	14,240	3.40	484	9-71		44	695	.04	31	46
41-40-0005	6746481	1435833	9-66	3	294	20,600	3.87	798	19	15,820	3.70	585	11-71		34	740	.05	34	50
41-40-0043	6519430	1450611	4-66	4	305	22,245	3.20	711	20	15,698	3.78	594	2-72		30	1,015	-.11	19	46
41-40-0053	6537073	1377954	12-65	4	305	19,363	3.53	684	10	16,393	3.62	594	10-71		44	725	.00	26	43
41-40-9041	5928622	1363393	7-63	5	297	18,562	3.62	672	58	14,652	3.71	544	3-71		43	781	-.01	26	45

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C O	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
41-40-9041	6519851	1353976	9-65	3	301	17,276	4.31	744	91	13,810	3.69	509	10-70		42	634	.11	39	$ 51
41-40-9041	6850932	1459098	3-67	2	305	17,085	3.72	635	102	14,595	3.71	541	12-70		38	1,010	-.03	32	57
41-40-9041	6867651	1459098	2-67	3	305	17,810	3.34	595	89	13,850	3.63	503	1-72		41	1,183	-.07	32	62
41-40-9041	6963632	1468409	10-67	3	301	21,160	3.64	770	86	14,683	3.64	535	3-72		39	866	.01	33	53
41-40-9041	6963649	1459098	10-67	2	305	19,790	3.81	754	90	14,860	3.73	554	2-71		38	1,267	-.02	43	74
41-40-9041	7039835	1459098	11-67	2	305	16,685	3.45	575	84	15,145	3.61	547	3-72		38	916	-.05	25	48
41-40-9041	7039840	1085978	12-67	2	305	18,840	3.61	681	58	13,845	3.65	506	8-71		40	937	-.02	31	54
41-40-9041	7206275	1347940	11-68	1	305	18,290	3.35	613	103	15,290	3.68	562	12-70		36	748	-.03	23	42
41-40-9041	7397297	1392858	6-69	1	305	20,660	3.66	756	72	14,740	3.45	508	11-71		36	646	.04	30	44
41-40-9041	7598855	1399824	10-69	1	305	19,360	3.92	759	67	15,020	3.54	532	3-72		36	673	.06	33	47
41-41-9008	7252118	1381770	12-68	1	305	22,710	3.06	694	26	16,410	3.41	559	2-71		34	861	-.08	19	42
41-41-9008	7341364	1347940	5-69	1	305	23,460	3.25	763	19	16,220	3.56	578	9-71		36	1,071	-.04	33	60
41-42-0027	6113739	1329588	11-63	6	305	21,620	3.14	679	18	16,165	3.48	562	6-71		44	920	-.08	21	45
41-42-0027	6802440	1478545	11-66	4	303	23,155	3.27	757	23	16,265	3.36	546	9-71		35	1,019	-.03	32	57
41-42-0027	7699112	1498218	2-69	2	305	20,565	3.64	749	23	16,315	3.36	548	1-72		29	609	.05	30	43
41-42-0027	7913583	1498218	10-69	1	305	23,650	2.87	678	32	15,450	3.27	505	11-71		24	829	-.05	22	43
41-44-0009	7577004	1427381	10-69	1	305	15,950	3.56	568	18	13,250	3.99	529	1-72		36	960	.02	37	59
41-45-0005	7147910	1330987	9-68	2	295	18,335	3.92	719	18	16,095	3.56	573	10-71		40	543	.08	31	42
41-45-0006	7114173	1427381	8-68	2	305	17,835	3.53	629	14	13,615	3.51	478	9-71		40	1,142	.04	47	73
41-45-0052	6548006	1353976	11-65	4	305	17,210	3.74	644	14	13,135	3.75	493	1-71		43	723	.03	30	47
41-45-0052	6983350	1353976	10-67	2	305	17,975	3.97	713	12	13,475	3.78	509	1-71		40	695	.05	33	48
41-45-0108	7252906	1365341	11-67	3	294	18,736	3.49	653	8	14,816	3.67	544	12-71		42	938	-.03	29	52
41-45-0173	6676014	1383004	10-66	4	305	18,445	3.89	718	18	14,095	3.55	501	10-71		44	496	.14	39	47
41-45-0198	5940713	1354656	10-63	3	286	19,433	3.31	643	5	11,980	3.46	415	6-71		33	1,188	-.05	35	65
41-46-0005	6464115	1450326	9-65	4	305	18,802	3.65	687	19	14,092	3.66	516	10-71		37	856	.00	31	51
41-46-0005	7759819	1413165	9-69	1	305	24,630	3.18	784	23	15,180	3.76	571	1-72		36	1,062	-.14	16	45
41-46-0021	6860445	1365341	4-67	3	305	20,873	3.54	738	17	16,116	3.47	559	10-71		42	1,049	-.01	37	62
41-46-0021	6993555	1365341	9-67	3	294	20,573	3.35	690	23	17,640	3.48	614	12-71		42	857	-.03	26	47
41-46-0028	6467433	1365341	10-65	4	305	19,005	3.73	708	22	15,137	3.54	536	1-72		44	958	.02	37	59
41-46-0171	7489710	1447414	12-69	1	305	18,710	3.34	624	17	15,300	3.55	543	1-72		35	874	-.05	24	46
41-46-0198	6227776	1289574	11-64	6	299	20,970	3.40	713	21	14,300	3.57	510	1-72		44	874	-.04	26	48
41-46-0198	7551012	1347940	12-69	1	305	18,990	3.84	730	27	15,360	3.61	555	12-71		36	796	.02	32	50
41-46-0397	7296978	1494232	9-68	2	295	18,115	3.28	595	12	13,035	3.43	447	9-71		29	754	-.02	24	43
41-46-0417	7321674	1222994	11-67	1	305	20,020	4.00	801	7	13,[illegible]70	3.69	501	2-71		36	766	.04	34	51
41-46-9021	7037409	1477381	1-68	2	305	19,820	3.45	684	15	16,025	3.42	548	7-71		39	720	.03	30	46
41-46-9022	7267208	010275932	3-67	2	305	22,185	3.65	810	13	16,185	3.55	574	4-71		40	750	.03	32	49
41-46-9034	6454692	1451014	9-65	4	305	19,752	4.29	848	15	17,000	3.91	664	10-71		37	480	.13	37	45
41-46-9034	7014993	010281452	4-64	4	305	21,370	4.05	865	16	17,408	3.88	675	11-71		30	648	.06	32	46
41-46-9056	6404413	1419722	7-65	5	303	21,494	4.00	860	14	16,278	3.59	584	1-72		36	867	.09	45	63
41-46-9090	4892222	1237441	9-58	9	305	17,733	4.09	725	11	13,400	3.60	483	4-71		36	707	.08	37	52
41-46-9216	6685402	1413165	10-66	4	303	19,362	4.11	795	23	15,252	3.78	576	8-71		44	830	-.01	28	48
41-46-9312	7181310	010260599	4-68	2	305	18,380	3.86	709	12	12,170	3.71	452	7-71		40	814	-.03	25	45
41-46-9364	5987731	1313355	11-63	4	305	20,157	3.92	790	15	14,625	3.78	553	4-72		39	836	.02	33	52
41-47-0002	7489197	1320310	11-69	1	305	18,840	3.43	646	25	15,460	3.61	558	1-72		36	853	-.05	23	45
41-47-0026	7054109	1474740	2-68	2	305	20,345	3.21	653	10	14,735	3.71	546	3-71		32	1,175	-.12	24	55
41-47-0056	6430826	1439249	9-65	3	305	22,457	3.54	794	15	17,037	3.59	611	2-71		29	810	-.01	28	48
41-47-0201	6854884	1506397	5-67	3	305	23,853	3.53	841	29	18,763	3.62	680	12-71		29	788	-.02	26	45
41-47-0201	7433871	1387978	11-68	1	305	21,060	4.24	893	16	17,360	3.64	632	7-71		36	727	.06	35	51
41-48-0031	5773654	1365341	1-63	7	302	18,210	3.45	628	22	14,494	3.62	524	10-71		44	945	-.03	29	52
41-48-0031	6855540	1365341	2-67	2	305	17,690	3.52	623	20	14,795	3.68	545	2-71		40	797	-.03	24	44
41-48-0062	7067167	1365341	3-68	2	302	20,685	3.55	734	17	14,155	3.89	550	10-71		40	1,160	-.04	35	64
41-48-0091	7222123	1377954	8-68	2	305	18,695	3.66	684	22	15,235	3.72	567	11-71		40	712	.01	27	44
41-48-0159	7198869	1365341	7-68	2	287	15,610	4.52	706	6	13,975	3.82	534	9-71		40	661	.07	34	48
41-48-0159	7198870	1365341	7-68	2	296	19,800	4.09	810	6	14,930	3.86	576	2-72		40	999	.03	41	64
41-48-9139	4926552	1299820	11-58	5	302	21,600	3.08	665	13	16,710	3.44	575	8-71		33	945	-.11	17	43
41-49-0020	6693892	1261857	1-67	3	305	19,490	3.74	728	17	15,047	3.83	577	1-72		42	910	.05	40	60
41-49-0053	6254089	1450326	11-64	5	305	21,264	3.64	773	16	16,228	3.68	598	10-71		38	962	.00	34	57
41-49-0068	6712838	1242221	9-65	4	300	21,835	3.63	792	27	18,000	3.55	639	9-71		42	1,126	.01	42	69
41-49-0068	7014648	1347940	9-67	1	305	22,120	3.78	837	32	18,450	3.51	647	9-70		36	822	.03	34	53
41-49-0068	7014649	1347940	10-67	2	305	22,720	3.85	874	30	17,670	3.53	624	9-71		40	1,033	.04	44	67
41-49-0068	7277802	1347940	9-68	1	305	22,010	3.23	710	28	16,890	3.56	602	9-71		36	918	-.04	27	50
41-49-0068	7277803	1347940	10-68	1	305	21,960	3.81	836	28	16,890	3.56	602	9-71		36	915	.03	37	58
41-49-0068	7277804	1347940	10-68	1	305	18,650	3.84	717	28	16,890	3.56	602	9-71		36	668	.03	28	43
41-49-0068	7277805	1347940	10-68	1	305	18,670	3.68	687	28	16,890	3.56	602	9-71		36	669	.01	26	42
41-49-0068	7277806	1347940	10-68	1	305	23,120	3.36	776	32	17,170	3.54	608	10-71		36	982	-.02	32	56
41-49-0068	7277807	1347940	11-68	1	305	21,910	3.94	863	32	17,170	3.54	608	10-71		36	892	.04	38	58
41-49-0075	5975179	1366952	9-63	5	294	21,586	3.49	753	29	16,694	3.61	603	8-71		36	793	-.02	26	45
41-49-0075	6450785	1453725	9-65	4	300	21,470	3.57	766	15	17,373	3.60	625	3-71		34	766	.00	27	45
41-49-0075	6450788	1453725	10-65	4	300	22,028	3.43	755	16	17,728	3.60	639	2-72		34	801	-.04	23	43
41-49-0075	6694150	1457087	10-66	3	305	24,703	3.39	837	25	18,017	3.57	643	2-71		29	1,005	-.04	30	55
41-49-0075	6812512	1453725	2-67	3	304	21,363	3.75	802	16	17,817	3.62	645	3-72		32	659	.03	28	43
41-49-0081	6387054	1429213	9-65	5	303	18,924	3.39	642	29	14,500	3.67	532	9-71		36	719	-.01	25	42
41-49-0145	7428236	1397209	9-69	1	305	19,160	3.39	650	17	12,340	3.54	437	11-71		36	813	-.03	24	44
41-50-0036	7268366	1397209	9-68	2	305	21,815	3.77	823	12	15,140	3.84	581	12-71		40	986	-.01	34	58
41-50-0059	5562277	1380556	3-62	6	305	20,060	3.50	702	22	14,802	3.59	532	2-71		34	802	-.01	27	46
41-50-0133	7259262	1365341	12-68	1	305	20,130	3.68	740	9	16,810	3.68	618	3-71		36	796	-.01	27	46
41-50-0165	5455018	1190632	1-61	4	303	19,410	3.92	761	15	15,110	3.49	527	11-71		44	753	-.01	25	43
41-50-9011	7120695	1397209	8-68	2	305	17,850	3.74	668	26	12,645	3.84	485	12-71		40	811	-.01	27	47
41-50-9011	7247987	1365341	10-68	1	305	17,100	3.60	615	17	11,210	3.69	414	1-71		36	946	-.02	31	54
41-50-9011	7341718	1365341	11-68	1	305	16,810	3.77	634	22	11,900	3.74	445	12-70		36	878	.00	31	52
41-50-9011	7563251	1365341	10-69	1	305	17,770	3.55	631	25	12,810	3.75	480	1-72		36	888	-.03	28	50
41-52-0019	7481858	1347940	9-69	1	305	18,480	4.50	832	27	15,690	3.76	590	12-71		36	736	.07	37	53
41-52-0019	7528612	1347940	11-69	1	305	21,940	3.88	851	27	15,690	3.76	590	12-71		36	994	.02	39	62
41-52-0019	7528615	1347940	1-70	1	305	21,360	3.81	814	14	15,880	3.73	592	3-72		36	938	.01	36	58
41-52-0040	7599759	1427381	12-69	1	305	19,620	4.09	802	17	17,940	3.72	668	11-71		36	919	.08	45	65

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C D	.......C O W REPT (%)	MILK (LB)	I N D E X....... FAT (%)	FAT (LB)	DOL-LARS
41-52-0064	6802581	1458744	2-66	3	305	21,083	3.29	694	8	16,566	3.17	525	7-71		42	979	-.01	34	$ 58
41-52-0064	7835194	1458744	2-70	1	305	21,170	3.73	789	19	16,010	3.60	577	1-72		36	875	.01	33	54
41-52-0080	7257253	1427381	10-68	1	305	20,860	3.47	724	37	15,030	3.79	570	11-70		36	1,206	.02	46	74
41-52-0101	6569549	1311429	3-66	3	305	21,147	3.68	779	12	15,990	3.63	580	9-71		42	998	-.05	28	53
41-52-0101	7479175	1311429	3-69	1	305	22,820	3.56	812	16	17,080	3.62	619	10-71		36	874	-.08	20	43
41-52-9083	7509793	1427381	9-69	1	305	21,300	3.45	734	13	15,860	3.91	620	10-71		36	1,183	.00	43	71
41-54-0049	6551190	1413791	12-65	4	296	19,690	3.52	693	9	15,020	3.55	533	10-71		30	720	-.01	25	42
41-55-0032	7006858	1458744	10-67	2	305	18,910	3.81	720	20	12,905	3.86	498	1-72		40	1,044	.00	38	63
41-55-0032	7006859	1458744	10-67	2	205	16,140	3.80	613	19	12,905	3.84	495	3-72	B	40	763	.00	27	45
41-55-0394	6780297	1370538	4-66	4	304	19,095	3.17	606	19	13,212	3.64	481	8-71		37	882	-.04	25	47
41-55-0417	6120687	1386406	8-64	4	272	16,755	3.83	642	20	13,567	3.68	499	4-71		44	613	.04	28	42
41-55-9070	7886576	1427381	8-69	1	305	19,920	3.49	696	19	14,570	3.64	530	11-71		36	1,167	.03	46	73
41-55-9255	6116292	1210507	8-64	5	299	21,726	3.36	729	21	16,850	3.77	636	9-71		43	1,064	-.13	18	47
41-56-0073	7281365	1386406	2-68	2	305	21,005	3.10	651	13	14,980	3.63	544	10-71		40	861	-.06	22	44
41-56-0079	7045808	1311429	10-67	3	305	22,910	3.26	747	22	18,327	3.61	662	12-71		42	959	-.12	16	42
41-56-0079	7940560	1427381	11-69	1	302	23,050	3.34	771	25	19,240	3.56	684	11-71		36	1,087	.01	41	67
41-56-0153	6971699	1353976	9-67	2	305	19,735	3.97	784	11	15,275	3.61	551	2-71		40	709	.07	36	51
41-56-0328	6746868	1365341	11-66	3	247	19,526	3.16	617	9	13,786	3.59	495	6-71	B	42	1,135	-.07	30	59
41-56-0335	7515242	1427381	11-69	1	305	19,710	4.69	925	27	14,270	3.78	540	11-71		36	1,172	.13	63	87
41-56-0342	6608012	1268297	10-65	4	301	24,280	3.23	785	11	17,015	3.54	603	10-71		43	1,123	-.01	39	66
41-56-0385	6637047	1458744	10-66	4	304	18,517	3.58	662	30	16,402	3.58	587	3-72		44	711	.00	25	42
41-56-0385	6927032	1365341	10-67	2	305	18,220	3.67	668	31	15,385	3.87	596	4-71		40	797	-.03	24	44
41-56-0385	7248483	1427381	2-69	1	305	21,390	3.86	825	45	16,540	3.78	625	1-72		36	1,145	.05	49	75
41-56-0385	7445934	1458744	5-69	1	305	19,940	4.15	827	43	16,410	3.73	612	12-71		36	757	.04	33	50
41-56-0385	7448075	1514309	7-69	1	305	26,750	3.68	985	24	17,040	3.77	643	3-72		19	948	.00	34	57
41-56-0515	7067700	1222994	2-68	1	305	20,580	4.06	835	11	15,670	3.92	615	1-72		36	667	.03	28	43
41-56-0553	7547483	1427381	2-70	1	305	16,840	3.37	568	12	12,890	3.63	468	2-72		36	1,050	.02	41	65
41-56-0590	6924841	1360676	3-67	2	305	24,225	3.75	908	26	16,790	3.67	617	9-71		39	1,214	.03	49	77
41-56-0590	7534649	1427381	7-69	1	305	22,670	3.45	783	11	16,560	3.74	620	1-72		36	1,239	.01	47	76
41-56-9550	6284579	1406271	1-65	5	302	17,366	3.77	655	17	15,620	3.36	525	12-71		44	598	.09	35	47
41-58-0089	6443953	1452607	9-65	3	305	20,873	3.69	771	18	15,003	3.42	513	6-71		38	1,079	.03	43	68
41-58-0089	7009537	1261857	2-68	1	305	18,490	3.87	716	26	15,250	3.47	529	9-71		36	679	.09	38	52
41-58-0089	7170782	1261857	4-68	2	305	19,590	3.63	711	13	15,255	3.59	548	1-72		40	853	.06	40	59
41-58-0122	7091405	1261857	5-68	2	292	17,560	3.57	627	13	14,500	3.61	524	3-71		40	716	.05	33	49
41-58-0130	7308011	1387978	9-68	2	305	16,570	3.60	596	10	12,995	3.83	498	3-72		40	752	-.03	23	42
41-58-0132	7532538	1261857	9-69	1	305	20,350	3.48	708	11	15,710	3.82	600	11-71		36	786	.03	33	51
41-58-9017	6959454	1261857	10-67	2	305	19,210	3.99	766	15	16,185	3.74	606	9-71		40	730	.09	40	55
41-59-0067	6940725	1468738	10-67	2	305	19,225	3.63	698	8	15,055	3.63	547	2-71		32	726	-.01	24	42
41-60-9010	7153451	1433447	3-67	3	291	18,983	4.73	898	40	16,333	3.87	632	12-71		41	486	.16	42	49
41-60-9010	7153452	1289574	6-68	3	301	22,000	4.32	950	38	16,287	3.87	630	1-72		42	694	.09	38	52
41-60-9027	6893369	1330987	7-67	2	305	18,455	3.07	567	14	13,770	3.58	493	10-71		40	768	-.03	23	42
41-60-9090	6888038	1459996	9-67	3	305	21,993	3.86	850	7	14,807	3.44	509	1-72		42	631	.05	30	44
41-60-9090	7454529	1427381	9-69	1	305	20,200	2.65	535	9	15,890	3.31	526	1-72		36	1,100	-.03	35	62
41-64-0091	7257421	1391688	8-67	2	305	19,245	3.67	706	11	15,010	3.47	521	10-71		40	792	-.03	24	44
41-66-0012	6532869	1456994	9-65	4	305	21,275	2.93	623	14	13,383	3.86	517	10-71		35	1,252	-.18	17	52
41-66-0012	7084772	1365341	12-67	2	305	16,710	3.84	642	24	13,960	3.74	522	10-71		40	774	.01	29	47
41-66-0012	7084773	1365341	2-68	2	304	17,040	3.62	617	34	14,425	3.72	536	6-71		40	765	-.02	25	44
41-66-0013	7402738	1330987	1-69	1	305	19,940	3.92	781	10	15,350	3.52	540	8-71		36	667	.07	35	49
41-66-0028	6928322	1365341	9-67	3	305	19,186	3.55	681	16	14,626	3.58	524	10-71		42	1,009	-.02	34	58
41-66-0028	7259257	1365341	11-68	2	305	21,340	3.75	800	13	15,450	3.56	550	1-72		40	1,108	.01	42	68
41-66-0031	6453346	1440419	5-65	5	303	19,404	3.43	665	20	14,312	3.72	532	11-71		32	806	-.05	22	42
41-66-0031	6508996	1426683	11-65	3	305	19,690	3.38	665	10	13,740	3.69	507	4-71		34	796	-.04	23	43
41-66-0039	7055301	1418350	10-66	2	305	18,000	4.08	735	8	12,960	3.62	469	4-71		30	572	.09	34	45
41-66-0056	5397561	1199324	9-60	8	303	18,946	3.55	673	16	13,885	3.67	510	6-71		44	1,077	-.02	35	61
41-66-0064	7394462	1417208	10-68	2	295	17,840	3.67	654	36	14,740	3.62	533	12-71		40	704	.02	28	44
41-66-0071	7235365	1469937	9-68	2	305	18,515	3.28	608	13	13,300	3.80	506	12-71		31	892	-.07	21	44
41-66-0081	6673582	1469937	8-66	3	305	18,756	3.26	612	8	13,466	3.48	469	5-71		34	965	-.05	27	51
41-66-0081	6673587	1469937	12-66	3	290	16,406	3.74	614	13	13,370	3.55	474	12-71		34	666	.02	27	42
41-66-0081	6935506	1469937	8-67	2	305	21,380	3.41	730	12	13,160	3.55	467	1-71		31	1,242	-.03	40	70
41-66-0081	6961690	1469937	7-67	1	305	19,610	3.33	653	9	12,400	3.68	456	9-70		26	925	-.05	26	49
41-66-0081	6977134	1469937	1-68	2	299	16,740	3.43	574	10	12,470	3.62	451	6-71		31	771	-.03	23	42
41-66-0081	6977136	1469937	2-68	2	305	20,075	3.26	654	12	13,095	3.61	473	12-71		31	1,096	-.06	30	58
41-66-0228	6992311	1484105	9-67	3	301	21,513	3.61	776	17	16,633	3.73	620	2-72		38	864	-.05	24	46
41-66-0240	7518303	1365341	1-70	1	305	23,560	3.34	786	9	19,030	3.64	692	1-72		36	903	-.04	26	49
41-66-0240	7518310	1397209	11-69	1	305	26,840	3.06	822	9	18,260	3.64	664	12-71		36	988	-.09	22	48
41-66-9227	7001782	1450228	7-67	2	305	19,355	3.65	706	11	16,840	3.72	626	4-71		39	829	-.03	25	46
41-67-9103	7010652	1502330	12-67	3	305	25,326	3.24	821	15	17,720	3.62	641	12-71		34	1,104	-.10	24	53
41-67-9103	7534776	1427381	11-69	1	305	22,600	3.81	860	18	17,370	3.50	608	12-71		36	1,179	.07	53	79
41-67-9103	7534777	1427381	2-70	1	305	21,440	3.79	813	16	17,430	3.48	606	2-72		36	1,089	.07	50	74
41-67-9136	6784470	1347065	11-66	4	304	21,462	3.49	748	14	16,087	3.45	555	3-72		44	773	-.03	24	43
41-68-0045	6575455	1287090	2-66	3	305	21,470	3.92	842	18	16,530	3.27	540	2-71		42	445	.15	39	45
41-68-0048	6641592	1261857	11-66	3	290	20,800	3.55	739	10	16,893	3.65	617	6-71		42	869	.04	38	57
41-70-0036	6711190	1261857	11-66	3	305	19,827	3.79	752	17	15,413	3.66	564	10-71		42	911	.07	44	64
41-70-0076	6483695	1311429	11-65	3	305	21,037	3.28	691	18	14,703	3.58	526	4-71		42	1,119	-.11	24	54
41-70-0161	7153292	1330987	8-68	2	305	18,120	3.70	670	35	14,655	3.78	554	10-71		40	653	.03	28	43
41-70-0167	6967706	1469922	7-67	3	305	19,153	3.99	764	11	14,516	3.80	552	12-71		32	596	.06	30	43
41-70-9026	6556807	1377315	8-65	5	305	20,732	3.77	782	20	15,200	3.83	582	10-71		42	882	-.02	29	51
41-70-9026	6746963	1493481	9-66	3	305	21,480	3.61	776	16	15,727	3.86	607	1-71		29	839	-.03	26	47
41-70-9031	6172464	1291784	12-63	6	299	19,530	3.86	753	21	15,113	3.73	564	5-71		44	744	.05	34	50
41-71-0002	6587959	1333706	3-66	3	305	26,310	3.47	914	15	18,570	3.52	653	1-71		41	1,236	-.05	36	67
41-71-0039	7405171	1365341	8-69	1	305	29,390	2.98	877	19	20,150	3.63	732	1-72		36	1,262	-.10	30	63
41-71-0046	5265403	1287090	11-60	6	302	20,527	3.54	727	11	14,615	3.75	548	10-71		44	624	.04	28	42
41-71-0046	7379437	1365341	2-68	2	305	22,415	3.58	803	8	14,920	3.77	562	10-71		40	1,265	-.03	41	72
41-71-0046	7379438	1365341	3-68	2	301	19,725	3.53	697	10	14,760	3.77	556	11-71		40	1,007	-.03	31	56
41-72-0002	6820826	1478733	5-67	2	305	21,090	3.12	657	40	14,710	3.57	525	3-72		36	949	-.08	22	47

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C D	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
41-40-9041	6519851	1353976	9-65	3	301	17,276	4.31	744	91	13,810	3.69	509	10-70		42	634	.11	39	$ 51
41-40-9041	6850932	1459098	3-67	2	305	17,085	3.72	635	102	14,595	3.71	541	12-70		38	1,010	-.03	32	57
41-40-9041	6867651	1459098	2-67	3	305	17,810	3.34	595	89	13,850	3.63	503	1-72		41	1,183	-.07	32	62
41-40-9041	6963632	1468409	10-67	3	301	21,160	3.64	770	86	14,683	3.64	535	3-72		39	866	.01	33	53
41-40-9041	6963649	1459098	10-67	2	305	19,790	3.81	754	90	14,860	3.73	554	2-71		38	1,267	-.02	43	74
41-40-9041	7039835	1459098	11-67	2	305	16,685	3.45	575	84	15,145	3.61	547	3-72		38	916	-.05	25	48
41-40-9041	7039840	1085978	12-67	2	305	18,840	3.61	681	58	13,845	3.65	506	8-71		40	937	-.02	31	54
41-40-9041	7206275	1347940	11-68	1	305	18,290	3.35	613	103	15,290	3.68	562	12-70		36	748	-.03	23	42
41-40-9041	7397297	1392858	6-69	1	305	20,660	3.66	756	72	14,740	3.45	508	11-71		36	646	.04	30	44
41-40-9041	7598855	1399824	10-69	1	305	19,360	3.92	759	67	15,020	3.54	532	3-72		36	673	.06	33	47
41-41-9008	7252118	1381770	12-68	1	305	22,710	3.06	694	26	16,410	3.41	559	2-71		34	861	-.08	19	42
41-41-9008	7341364	1347940	5-69	1	305	23,460	3.25	763	19	16,220	3.56	578	9-71		36	1,071	-.04	33	60
41-42-0027	6113739	1329588	11-63	6	305	21,620	3.14	679	18	16,165	3.48	562	6-71		44	920	-.08	21	45
41-42-0027	6802440	1478545	11-66	4	303	23,155	3.27	757	23	16,265	3.36	546	9-71		35	1,019	-.03	32	57
41-42-0027	7699112	1498218	2-69	2	305	20,565	3.64	749	23	16,315	3.36	548	1-72		29	609	.05	30	43
41-42-0027	7913583	1498218	10-69	1	305	23,650	2.87	678	32	15,450	3.27	505	11-71		24	829	-.05	22	43
41-44-0009	7577004	1427381	10-69	1	305	15,950	3.56	568	18	13,250	3.99	529	1-72		36	960	.02	37	59
41-45-0005	7147910	1330987	9-68	2	295	18,335	3.92	719	18	16,095	3.56	573	10-71		40	543	.08	31	42
41-45-0006	7114173	1427381	8-68	2	305	17,835	3.53	629	14	13,615	3.51	478	9-71		40	1,142	.04	47	73
41-45-0052	6548005	1353976	11-65	4	305	17,210	3.74	644	14	13,135	3.75	493	1-71		43	723	.03	30	47
41-45-0052	6983350	1353976	10-67	2	305	17,975	3.97	713	12	13,475	3.78	509	1-71		40	695	.05	33	48
41-45-0108	7252906	1365341	11-67	3	294	18,736	3.49	653	8	14,816	3.67	544	12-71		42	938	-.03	29	52
41-45-0173	6676014	1383004	10-66	4	305	18,445	3.89	718	18	14,095	3.55	501	10-71		44	496	.14	39	47
41-45-0198	5940713	1354656	10-63	3	286	19,433	3.31	643	5	11,980	3.46	415	6-71		33	1,188	-.05	35	65
41-46-0005	6464115	1450326	9-65	4	305	18,802	3.65	687	19	14,092	3.66	516	10-71		37	856	.00	31	51
41-46-0005	7759819	1413165	9-69	1	305	24,630	3.18	784	23	15,180	3.76	571	1-72		36	1,062	-.14	16	45
41-46-0021	6860445	1365341	4-67	3	305	20,873	3.54	738	17	16,116	3.47	559	10-71		42	1,049	-.01	37	62
41-46-0021	6993555	1365341	9-67	3	294	20,573	3.35	690	23	17,640	3.48	614	12-71		42	857	-.03	26	47
41-46-0028	6467433	1365341	10-65	4	305	19,005	3.73	708	22	15,137	3.54	536	1-72		44	958	.02	37	59
41-46-0171	7489710	1447414	12-69	1	305	18,710	3.34	624	17	15,300	3.55	543	1-72		35	874	-.05	24	46
41-46-0198	6227776	1289574	11-64	6	299	20,970	3.40	713	21	14,300	3.57	510	1-72		44	874	-.04	26	48
41-46-0198	7551012	1347940	12-69	1	305	18,990	3.84	730	27	15,360	3.61	555	12-71		36	796	.02	32	50
41-46-0397	7296978	1494232	9-68	2	295	18,115	3.28	595	12	13,035	3.43	447	9-71		29	754	-.02	24	43
41-46-0417	7321674	1222994	11-67	1	305	20,020	4.00	801	7	13,570	3.69	501	2-71		36	766	.04	34	51
41-46-9021	7037409	1477381	1-68	2	305	19,820	3.45	684	15	16,025	3.42	548	7-71		39	720	.03	30	46
41-46-9022	7267208	010275932	3-67	2	305	22,185	3.65	810	13	16,185	3.55	574	4-71		40	750	.03	32	49
41-46-9034	6454692	1451014	9-65	4	305	19,752	4.29	848	15	17,000	3.91	664	10-71		37	480	.13	37	45
41-46-9034	7014993	010281452	4-64	4	305	21,370	4.05	865	16	17,408	3.88	675	11-71		30	648	.06	32	46
41-46-9056	6404413	1419722	7-65	5	303	21,494	4.00	860	14	16,278	3.59	584	1-72		36	867	.09	45	63
41-46-9090	4892222	1237441	9-58	9	305	17,733	4.09	725	11	13,400	3.60	483	4-71		36	707	.08	37	52
41-46-9216	6685402	1413165	10-66	4	303	19,362	4.11	795	23	15,252	3.78	576	8-71		44	830	-.01	28	48
41-46-9312	7181310	010260599	4-68	2	305	18,380	3.86	709	12	12,170	3.71	452	7-71		40	814	-.03	25	45
41-46-9364	5987731	1313355	11-63	4	305	20,157	3.92	790	15	14,625	3.78	553	4-72		39	836	.02	33	52
41-47-0002	7489197	1320310	11-69	1	305	18,840	3.43	646	25	15,460	3.61	558	1-72		36	853	-.05	23	45
41-47-0026	7054139	1474740	2-68	2	305	20,345	3.21	653	10	14,735	3.71	546	3-71		32	1,175	-.12	24	55
41-47-0056	6430826	1439249	9-65	3	305	22,457	3.54	794	15	17,037	3.59	611	2-71		29	810	-.01	28	48
41-47-0201	6854884	1506397	5-67	3	305	23,853	3.53	841	29	18,763	3.62	680	12-71		29	788	-.02	26	45
41-47-0201	7433871	1387978	11-68	1	305	21,060	4.24	893	16	17,360	3.64	632	7-71		36	727	.06	35	51
41-48-0031	5773654	1365341	1-63	7	302	18,210	3.45	628	22	14,494	3.62	524	10-71		44	945	-.03	29	52
41-48-0031	6855540	1365341	2-67	2	305	17,690	3.52	623	20	14,795	3.68	545	2-71		40	797	-.03	24	44
41-48-0062	7067167	1365341	3-68	2	302	20,685	3.55	734	17	14,155	3.89	550	10-71		40	1,160	-.04	35	64
41-48-0091	7222123	1377954	8-68	2	305	18,695	3.66	684	22	15,235	3.72	567	11-71		40	712	.01	27	44
41-48-0159	7198869	1365341	7-68	2	287	15,610	4.52	706	6	13,975	3.82	534	9-71		40	661	.07	34	48
41-48-0159	7198870	1365341	7-68	2	296	19,800	4.09	810	6	14,930	3.86	576	2-72		40	999	.03	41	64
41-48-9139	4926552	1299820	11-58	5	302	21,600	3.08	665	13	16,710	3.44	575	8-71		33	945	-.11	17	43
41-49-0020	6693892	1261857	1-67	3	305	19,490	3.74	728	17	15,047	3.83	577	1-72		42	910	.05	40	60
41-49-0053	6254089	1450326	11-64	5	305	21,264	3.64	773	16	16,228	3.68	598	10-71		38	962	.00	34	57
41-49-0065	6712838	1242221	9-65	4	300	21,835	3.63	792	27	18,000	3.55	639	9-71		42	1,126	.01	42	69
41-49-0068	7014648	1347940	9-67	1	305	22,120	3.78	837	32	18,450	3.51	647	9-70		36	822	.03	34	53
41-49-0068	7014649	1347940	10-67	2	305	22,720	3.85	874	30	17,670	3.53	624	9-71		40	1,033	.04	44	67
41-49-0068	7277802	1347940	9-68	1	305	22,010	3.23	710	28	16,890	3.56	602	9-71		36	918	-.04	27	50
41-49-0068	7277803	1347940	10-68	1	305	21,960	3.81	836	28	16,890	3.56	602	9-71		36	915	.03	37	58
41-49-0068	7277804	1347940	10-68	1	305	18,650	3.84	717	28	16,890	3.56	602	9-71		36	668	.03	28	43
41-49-0068	7277805	1347940	10-68	1	305	18,670	3.68	687	28	16,890	3.56	602	9-71		36	669	.01	26	42
41-49-0068	7277806	1347940	10-68	1	305	23,120	3.36	776	32	17,170	3.54	608	10-71		36	982	-.02	32	56
41-49-0068	7277807	1347940	11-68	1	305	21,910	3.94	863	32	17,170	3.54	608	10-71		36	892	.04	38	58
41-49-0075	5975179	1366952	9-63	5	294	21,586	3.49	753	29	16,694	3.61	603	8-71		36	793	-.02	26	45
41-49-0075	6450785	1453725	9-65	4	300	21,470	3.57	766	15	17,373	3.60	625	3-71		34	766	.00	27	45
41-49-0075	6450788	1453725	10-65	4	300	22,028	3.43	755	16	17,728	3.60	639	2-72		34	801	-.04	23	43
41-49-0075	6694150	1457087	10-66	3	305	24,703	3.39	837	25	18,017	3.57	643	2-71		29	1,005	-.04	30	55
41-49-0075	6812512	1453725	2-67	3	304	21,363	3.75	802	16	17,817	3.62	645	3-72		32	659	.03	28	43
41-49-0081	6387054	1429213	9-65	5	303	18,924	3.39	642	29	14,500	3.67	532	9-71		36	719	-.01	25	42
41-49-0145	7428236	1397209	9-69	1	305	19,160	3.39	650	17	12,340	3.54	437	11-71		36	813	-.03	24	44
41-50-0036	7268366	1397209	9-68	2	305	21,815	3.77	823	12	15,140	3.84	581	12-71		40	986	-.01	34	58
41-50-0059	5562277	1380556	3-62	6	305	20,060	3.50	702	22	14,802	3.59	532	2-71		34	802	-.01	27	46
41-50-0133	7259262	1365341	12-68	1	305	20,130	3.68	740	9	16,810	3.68	618	3-71		36	796	-.01	27	46
41-50-0165	5455018	1190632	1-61	4	303	19,410	3.92	761	15	15,110	3.49	527	11-71		44	753	-.01	25	43
41-50-9011	7120695	1397209	8-68	2	305	17,850	3.74	668	26	12,645	3.84	485	12-71		40	811	-.01	27	47
41-50-9011	7247987	1365341	10-68	1	305	17,100	3.60	615	17	11,210	3.69	414	1-71		36	946	-.02	31	54
41-50-9011	7341718	1365341	11-68	1	305	16,810	3.77	634	22	11,900	3.74	445	12-70		36	878	.00	31	52
41-50-9011	7563251	1365341	10-69	1	305	17,770	3.55	631	25	12,810	3.75	480	1-72		36	888	-.03	28	50
41-52-0019	7481858	1347940	9-69	1	305	18,480	4.50	832	27	15,690	3.76	590	12-71		36	736	.07	37	53
41-52-0019	7528612	1347940	11-69	1	305	21,940	3.88	851	27	15,690	3.76	590	12-71		36	994	.02	39	62
41-52-0019	7528615	1347940	1-70	1	305	21,360	3.81	814	14	15,880	3.73	592	3-72		36	938	.01	36	58
41-52-0040	7599759	1427381	12-69	1	305	19,620	4.09	802	17	17,940	3.72	668	11-71		36	919	.08	45	65

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C O	.......C O W REPT (%)	I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
41-52-0064	6802581	1458744	2-66	3	305	21,083	3.29	694	8	16,966	3.17	525	7-71		42	979	-.01	34	$ 58
41-52-0064	7835194	1458744	2-70	1	305	21,170	3.73	789	19	16,010	3.60	577	1-72		36	875	.01	33	54
41-52-0080	7257253	1427381	10-68	1	305	20,860	3.47	724	37	15,030	3.79	570	11-70		36	1,206	.02	46	74
41-52-0101	6569549	1311429	3-66	3	305	21,147	3.68	779	12	15,990	3.63	580	9-71		42	998	-.05	28	53
41-52-0101	7479175	1311429	3-69	1	305	22,820	3.56	812	16	17,080	3.62	619	10-71		36	874	-.08	20	43
41-52-9083	7509790	1427381	9-69	1	305	21,300	3.45	734	13	15,860	3.91	620	10-71		36	1,183	.00	43	71
41-54-0049	6551190	1413791	12-65	4	296	19,690	3.52	693	9	15,020	3.55	533	10-71		30	720	-.01	25	42
41-55-0032	7006858	1458744	10-67	2	305	18,910	3.81	720	20	12,905	3.86	498	1-72		40	1,044	.00	38	63
41-55-0032	7006859	1458744	10-67	2	205	16,140	3.80	613	19	12,905	3.84	495	3-72	B	40	763	.00	27	45
41-55-0394	6780297	1370538	4-66	4	304	19,095	3.17	606	19	13,212	3.64	481	8-71		37	882	-.04	25	47
41-55-0417	6120687	1386406	8-64	4	272	16,755	3.83	642	20	13,567	3.68	499	4-71		44	613	.04	28	42
41-55-9070	7886576	1427381	8-69	1	305	19,920	3.49	696	19	14,570	3.64	530	11-71		36	1,167	.03	46	73
41-55-9255	6116292	1210507	8-64	5	299	21,726	3.36	729	21	16,850	3.77	636	9-71		43	1,064	-.13	18	47
41-56-0073	7281365	1386406	2-68	2	305	21,005	3.10	651	13	14,980	3.63	544	10-71		40	861	-.06	22	44
41-56-0079	7045808	1311429	10-67	3	305	22,910	3.26	747	22	18,327	3.61	662	12-71		42	959	-.12	16	42
41-56-0079	7940560	1427381	11-69	1	302	23,050	3.34	771	25	19,240	3.56	684	11-71		36	1,087	.01	41	67
41-56-0153	6971699	1353976	9-67	2	305	19,735	3.97	784	11	15,275	3.61	551	2-71		40	709	.07	36	51
41-56-0328	6746868	1365341	11-66	3	247	19,526	3.16	617	9	13,786	3.59	495	6-71	B	42	1,135	-.07	30	59
41-56-0335	7515242	1427381	11-69	1	305	19,710	4.69	925	27	14,270	3.78	540	11-71		36	1,172	.13	63	87
41-56-0342	6608012	1268297	10-65	4	301	24,280	3.23	785	11	17,015	3.54	603	10-71		43	1,123	-.01	39	66
41-56-0385	6637047	1458744	10-66	4	304	18,517	3.58	662	30	16,402	3.58	587	3-72		44	711	.00	25	42
41-56-0385	6927032	1365341	10-67	2	305	18,220	3.67	668	31	15,385	3.87	596	4-71		40	797	-.03	24	44
41-56-0385	7248483	1427381	2-69	1	305	21,390	3.86	825	45	16,540	3.78	625	1-72		36	1,145	.05	49	75
41-56-0385	7445934	1458744	5-69	1	305	19,940	4.15	827	43	16,410	3.73	612	12-71		36	757	.04	33	50
41-56-0385	7448075	1514309	7-69	1	305	26,750	3.68	985	24	17,040	3.77	643	3-72		19	948	.00	34	57
41-56-0515	7067700	1222994	2-68	1	305	20,580	4.06	835	11	15,670	3.92	615	1-72		36	667	.03	28	43
41-56-0553	7547483	1427381	2-70	1	305	16,840	3.37	568	12	12,890	3.63	468	2-72		36	1,050	.02	41	65
41-56-0590	6924841	1360676	3-67	2	305	24,225	3.75	908	26	16,790	3.67	617	9-71		39	1,214	.03	49	77
41-56-0590	7534649	1427381	7-69	1	305	22,670	3.45	783	11	16,560	3.74	620	1-72		36	1,239	.01	47	76
41-56-9550	6284579	1406271	1-65	5	302	17,366	3.77	655	17	15,620	3.36	525	12-71		44	598	.09	35	47
41-58-0089	6443953	1452607	9-65	3	305	20,873	3.69	771	18	15,003	3.42	513	6-71		38	1,079	.03	43	68
41-58-0089	7009537	1261857	2-68	1	305	18,490	3.87	716	26	15,250	3.47	529	9-71		36	679	.09	38	52
41-58-0089	7170782	1261857	4-68	2	305	19,590	3.63	711	13	15,255	3.59	548	1-72		40	853	.06	40	59
41-58-0122	7091405	1261857	5-68	2	292	17,560	3.57	627	13	14,500	3.61	524	3-71		40	716	.05	33	49
41-58-0130	7308011	1387978	9-68	2	305	16,570	3.60	596	10	12,995	3.83	498	3-72		40	752	-.03	23	42
41-58-0132	7532538	1261857	9-69	1	305	20,350	3.48	708	11	15,710	3.82	600	11-71		36	786	.03	33	51
41-58-9017	6959454	1261857	10-67	2	305	19,210	3.99	766	15	16,185	3.74	606	9-71		40	730	.09	40	55
41-59-0067	6940725	1468738	10-67	2	305	19,225	3.63	698	8	15,055	3.63	547	2-71		32	726	-.01	24	42
41-60-9010	7153451	1433447	3-67	3	291	18,983	4.73	898	40	16,333	3.87	632	12-71		41	486	.16	42	49
41-60-9010	7153452	1289574	6-68	3	301	22,000	4.32	950	38	16,287	3.87	630	1-72		42	694	.09	38	52
41-60-9027	6893369	1330987	7-67	2	305	18,455	3.07	567	14	13,770	3.58	493	10-71		40	768	-.03	23	42
41-60-9090	6888038	1459996	9-67	3	305	21,993	3.86	850	7	14,807	3.44	509	1-72		42	631	.05	30	44
41-60-9090	7454529	1427381	9-69	1	305	20,200	2.65	535	9	15,890	3.31	526	1-72		36	1,100	-.03	35	62
41-64-0091	7257421	1391688	8-67	2	305	19,245	3.67	706	11	15,010	3.47	521	10-71		40	792	-.03	24	44
41-66-0012	6532869	1456994	9-65	4	305	21,275	2.93	623	14	13,383	3.86	517	10-71		35	1,252	-.18	17	52
41-66-0012	7084772	1365341	12-67	2	305	16,710	3.84	642	24	13,960	3.74	522	10-71		40	774	.01	29	47
41-66-0012	7084773	1365341	2-68	2	304	17,040	3.62	617	34	14,425	3.72	536	6-71		40	765	-.02	25	44
41-66-0013	7402738	1330987	1-69	1	305	19,940	3.92	781	10	15,350	3.52	540	8-71		36	667	.07	35	49
41-66-0028	6928322	1365341	9-67	3	305	19,166	3.55	681	16	14,626	3.58	524	10-71		42	1,009	-.02	34	58
41-66-0028	7259257	1365341	11-68	2	305	21,340	3.75	800	13	15,450	3.56	550	1-72		40	1,108	.01	42	68
41-66-0031	6453346	1440419	5-65	5	303	19,404	3.43	665	20	14,312	3.72	532	11-71		32	806	-.05	22	42
41-66-0031	6508996	1426683	11-65	3	305	19,690	3.38	665	10	13,740	3.69	507	4-71		34	796	-.04	23	43
41-66-0039	7055301	1418350	10-66	2	305	18,000	4.08	735	8	12,960	3.62	469	4-71		30	572	.09	34	45
41-66-0056	5397561	1199324	9-60	8	303	18,946	3.55	673	16	13,885	3.67	510	6-71		44	1,077	-.02	35	61
41-66-0064	7394462	1417208	10-68	2	295	17,840	3.67	654	36	14,740	3.62	533	12-71		40	704	.02	28	44
41-66-0071	7235365	1469937	9-68	2	305	18,515	3.28	608	13	13,300	3.80	506	12-71		31	892	-.07	21	44
41-66-0081	6673582	1469937	8-66	3	305	18,756	3.26	612	8	13,466	3.48	469	5-71		34	965	-.05	27	51
41-66-0081	6673587	1469937	12-66	3	290	16,406	3.74	614	13	13,370	3.55	474	12-71		34	666	.02	27	42
41-66-0081	6935506	1469937	8-67	2	305	21,380	3.41	730	12	13,160	3.55	467	1-71		31	1,242	-.03	40	70
41-66-0081	6961690	1469937	7-67	1	305	19,610	3.33	653	9	12,400	3.68	456	9-70		26	925	-.05	26	49
41-66-0081	6977134	1469937	1-68	2	299	16,740	3.43	574	10	12,470	3.62	451	6-71		31	771	-.03	23	42
41-66-0081	6977136	1469937	2-68	2	305	20,075	3.26	654	12	13,095	3.61	473	12-71		31	1,096	-.06	30	58
41-66-0228	6992311	1484105	9-67	3	301	21,513	3.61	776	17	16,633	3.73	620	2-72		38	864	-.05	24	46
41-66-0240	7518303	1365341	1-70	1	305	23,550	3.34	786	9	19,030	3.64	692	1-72		36	903	-.04	26	49
41-66-0240	7518310	1397209	11-69	1	305	26,840	3.06	822	9	18,260	3.64	664	12-71		36	988	-.09	22	48
41-66-9227	7001782	1450228	7-67	2	305	19,355	3.65	706	11	16,840	3.72	626	4-71		39	829	-.03	25	46
41-67-9103	7010652	1502330	12-67	3	305	25,326	3.24	821	15	17,720	3.62	641	12-71		34	1,104	-.10	24	53
41-67-9103	7534776	1427381	11-69	1	305	22,600	3.81	860	18	17,370	3.50	608	12-71		36	1,179	.07	53	79
41-67-9103	7534777	1427381	2-70	1	305	21,440	3.79	813	16	17,430	3.48	606	2-72		36	1,089	.07	50	74
41-67-9136	6784473	1347065	11-66	4	304	21,462	3.49	748	14	16,087	3.45	555	3-72		44	773	-.03	24	43
41-68-0045	6575455	1287090	2-66	3	305	21,470	3.92	842	18	16,530	3.27	540	2-71		42	445	.15	39	45
41-68-0048	6641592	1261857	11-66	3	290	20,800	3.55	739	10	16,893	3.65	617	6-71		42	869	.04	38	57
41-70-0036	6711190	1261857	11-66	3	305	19,827	3.79	752	17	15,413	3.66	564	10-71		42	911	.07	44	64
41-70-0076	6483695	1311429	11-65	3	305	21,037	3.28	691	18	14,703	3.58	526	4-71		42	1,119	-.11	24	54
41-70-0161	7153292	1330987	8-68	2	305	18,120	3.70	670	35	14,655	3.78	554	10-71		40	653	.03	28	43
41-70-0167	6967706	1469922	7-67	3	305	19,153	3.99	764	11	14,516	3.80	552	12-71		32	596	.06	30	43
41-70-9026	6556807	1377315	8-65	5	305	20,732	3.77	782	20	15,200	3.83	582	10-71		42	882	-.02	29	51
41-70-9026	6746963	1493481	9-66	3	305	21,480	3.61	776	16	15,727	3.86	607	1-71		29	839	-.03	26	47
41-70-9031	6172464	1291784	12-63	6	299	19,530	3.86	753	21	15,113	3.73	564	5-71		44	744	.05	34	50
41-71-0002	6587959	1333706	3-66	3	305	26,310	3.47	914	15	18,570	3.52	653	1-71		41	1,236	-.05	36	67
41-71-0039	7405171	1365341	8-69	1	305	29,390	2.98	877	19	20,150	3.63	732	1-72		36	1,262	-.10	30	63
41-71-0046	5265403	1287090	11-60	6	302	20,527	3.54	727	11	14,615	3.75	548	10-71		44	624	.04	28	42
41-71-0046	7379437	1365341	2-68	2	305	22,415	3.58	803	8	14,920	3.77	562	10-71		40	1,265	-.03	41	72
41-71-0046	7379438	1365341	3-68	2	301	19,725	3.53	697	10	14,760	3.77	556	11-71		40	1,007	-.03	31	56
41-72-0002	6820826	1478733	5-67	2	305	21,090	3.12	657	40	14,710	3.57	525	3-72		36	949	-.08	22	47

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C O	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
41-72-0002	6927169	1261857	10-67	2	305	16,590	3.45	572	40	14,075	3.64	512	3-71		40	657	.04	29	$ 44
41-72-0005	6495225	1307195	12-65	4	305	18,625	3.16	588	22	12,923	3.54	457	4-71		43	855	-.05	23	45
41-72-0005	6606003	1311429	2-66	4	302	17,398	3.44	598	18	13,033	3.54	462	5-71		44	900	-.07	21	44
41-72-0005	6931464	1459098	7-67	3	288	16,553	3.24	537	22	13,113	3.72	488	5-71		41	1,113	-.08	27	56
41-72-0005	7256170	1459098	12-68	1	305	15,810	4.04	638	19	12,300	3.54	435	7-71		34	1,053	.00	38	63
41-72-0029	7339219	1458744	9-68	1	305	23,910	2.57	615	25	16,890	3.51	592	11-70		36	1,020	-.12	19	46
41-72-0029	7491533	1427381	7-69	1	305	21,610	3.16	682	28	16,720	3.33	557	12-71		36	1,149	.01	43	70
41-72-0033	7405356	1261857	11-67	2	302	18,385	3.69	679	57	14,335	3.82	548	9-71		40	815	.04	36	54
41-72-0046	7242274	1330987	10-68	2	305	17,220	3.71	639	17	14,325	3.49	500	3-72		40	592	.06	30	43
41-72-0108	6731713	1422506	9-66	3	305	20,403	3.25	664	14	16,190	3.51	569	3-71		42	762	-.02	24	43
41-72-0122	6917786	1261857	1-67	3	305	16,563	4.35	720	19	13,740	3.78	519	7-71		42	708	.13	45	58
41-72-0144	6965418	1261857	8-67	3	288	21,550	3.68	792	13	17,220	3.60	620	9-71		42	922	.06	43	63
41-72-0180	6810286	1311429	8-66	3	305	19,577	3.70	724	15	14,477	3.65	528	2-72		42	974	-.05	28	52
41-72-9042	6238187	1423320	9-64	5	301	22,082	3.75	829	8	15,876	3.75	596	10-71		43	903	.06	42	62
41-72-9042	6465528	1423320	10-65	5	294	21,726	3.91	849	5	15,836	3.79	600	2-72		43	861	.08	44	62
41-72-9078	6667374	1289574	11-65	4	305	18,908	4.43	838	13	14,545	3.59	522	2-72		44	555	.13	39	49
41-72-9198	7565126	1495135	2-69	1	305	25,340	3.51	889	11	17,620	3.50	617	12-71		32	1,011	.04	43	66
41-72-9198	7580599	1458744	7-68	1	305	21,950	3.25	713	13	14,510	3.78	548	7-71		36	1,034	-.05	29	55
41-73-0055	5933219	1395826	9-63	6	305	21,152	3.35	709	14	15,658	3.70	580	3-72		39	975	-.09	21	47
41-73-0055	6346184	1303180	3-65	5	305	21,322	3.33	710	72	15,888	3.87	615	12-71		36	926	-.09	20	44
41-73-0055	7376609	1427381	8-69	1	305	19,420	3.27	636	18	15,650	3.60	563	9-71		36	1,058	.01	40	65
41-73-0055	7525764	1427381	11-69	1	305	23,500	4.13	970	18	17,040	3.78	644	1-72		36	1,268	.08	59	87
41-73-0122	6568729	1396740	1-66	4	305	20,675	4.12	851	11	17,370	3.68	640	1-72		43	509	.13	38	47
41-73-0122	6770458	1261857	12-66	3	305	20,927	3.55	742	21	17,960	3.83	687	1-72		42	774	.02	31	49
41-73-0657	7369467	1427381	2-69	1	305	18,630	3.71	691	15	15,150	3.67	556	6-71		36	1,032	.04	44	67
41-73-0657	7491234	1427381	10-69	1	305	18,480	4.45	823	21	16,810	3.68	618	10-71		36	910	.11	50	69
41-73-0657	7571310	1427381	11-69	1	305	21,130	3.50	740	20	17,390	3.79	659	11-71		36	1,068	.02	41	66
41-73-0677	7209305	1472703	3-68	1	305	24,660	3.22	794	13	18,970	3.52	667	3-71		33	834	-.05	22	43
41-73-0702	7967277	1450228	12-69	1	305	18,040	3.63	655	21	14,670	3.38	496	2-72		35	839	-.01	29	49
41-73-0786	7003741	1365341	10-67	1	305	19,490	3.78	736	23	15,870	3.26	518	1-72		36	811	.03	34	52
41-73-9045	5928471	1411784	8-63	7	305	22,117	3.51	776	27	17,470	3.67	642	12-71		32	786	-.03	24	43
41-73-9045	6178696	1329588	9-64	2	305	23,850	3.48	831	27	17,550	3.72	652	10-71		40	879	-.04	25	47
41-73-9045	6956864	1478546	8-67	3	305	21,647	3.92	849	22	17,560	3.72	653	3-72		29	628	.05	30	44
41-73-9045	7100414	1366229	4-68	2	305	23,505	4.22	991	15	16,370	3.80	622	3-72		40	803	.13	49	65
41-73-9045	7425217	1353976	1-69	1	305	23,420	3.65	854	31	16,990	3.73	634	11-71		35	766	.02	30	48
41-73-9045	7538838	1427381	1-70	1	305	23,650	3.23	764	26	16,810	3.80	638	1-72		36	1,295	-.02	44	75
41-73-9196	6478564	1450326	2-65	4	305	18,857	3.78	712	21	14,605	3.84	561	12-70		37	800	.00	29	48
41-73-9224	5731742	1394342	9-62	6	300	24,855	3.38	839	16	16,143	3.69	596	9-71	H	32	1,409	-.07	40	75
41-73-9224	7527658	1347940	10-69	1	305	22,760	3.62	824	22	15,910	3.64	579	12-71		36	1,040	.00	38	63
41-73-9224	7527660	1347940	11-69	1	305	22,860	3.19	729	22	15,910	3.64	579	12-71		36	1,047	-.05	30	56
41-73-9327	7527054	1427381	12-69	1	305	20,200	4.05	819	49	16,870	3.80	641	12-71		36	1,034	.07	48	71
41-73-9336	6957405	1474740	11-67	3	302	21,073	3.18	671	15	15,440	3.61	557	1-72		34	1,257	-.12	26	59
41-74-0047	6986691	1261857	9-67	3	305	16,483	3.88	639	43	14,057	3.60	506	12-71		42	666	.09	38	51
41-74-0112	7026323	1370173	2-68	2	305	21,970	3.56	783	8	15,465	3.87	598	10-71		40	790	-.02	25	44
41-74-0112	7239423	1370173	8-68	2	303	20,335	4.04	822	18	15,545	3.85	599	11-71		40	616	.05	29	42
41-74-9031	7091358	1498619	2-68	2	305	19,500	3.53	688	20	12,985	3.52	457	1-72		29	907	-.01	31	53
41-74-9051	6035685	1365341	9-63	6	302	18,898	3.35	634	33	14,805	3.61	534	1-72		44	998	-.05	28	53
41-74-9051	6150176	1268294	1-63	4	301	20,580	3.17	652	32	14,805	3.65	540	7-71		44	942	-.10	18	43
41-74-9051	6710163	1381970	8-66	3	305	21,430	3.32	711	28	15,103	3.68	556	8-71		33	867	-.06	22	44
41-74-9051	6726009	1458744	1-67	3	305	17,663	3.86	682	33	14,593	3.67	535	10-71		42	790	.02	32	50
41-74-9051	7325610	1413165	11-68	1	305	23,850	3.09	738	36	14,960	3.69	552	8-71		36	1,019	-.15	13	42
41-74-9051	7325613	1398216	10-68	1	305	21,560	3.47	748	35	15,020	3.68	552	8-71		36	858	-.06	22	44
41-74-9099	7521339	1365341	6-69	1	305	20,950	3.44	720	13	18,060	3.40	614	10-71		36	773	-.01	26	45
41-74-9138	5941246	1237057	9-63	6	296	18,965	3.37	640	9	13,715	3.76	516	8-71		44	928	-.09	20	45
41-74-9143	6225388	1435825	12-64	5	298	23,516	3.55	834	9	16,826	3.55	598	2-71		34	1,218	-.01	43	72
41-74-9143	6922529	1261857	9-67	2	305	29,430	3.66	1078	14	17,875	3.66	654	10-71		40	1,613	.06	67	104
41-75-9002	6635635	1365341	7-66	4	302	17,812	3.55	632	20	14,935	3.74	558	11-71		44	833	-.03	25	46
41-75-9002	6833602	1236789	3-67	3	304	16,580	4.14	686	12	14,000	3.78	529	5-71		42	615	.06	31	44
41-75-9002	7011062	1377052	12-67	2	295	23,380	3.54	828	32	15,240	3.75	572	1-71		40	987	-.02	32	56
41-75-9002	7011064	1386406	11-67	2	305	20,290	3.73	757	34	14,725	3.81	561	1-71		40	811	.02	32	51
41-75-9002	7489084	1236789	9-69	1	305	19,550	3.57	698	23	14,670	3.76	551	10-71		35	722	-.01	25	42
41-77-0046	7076980	1377954	11-67	2	305	17,190	3.64	625	14	14,125	3.55	501	12-71		40	661	.02	27	42
41-77-0051	6760705	1474740	10-66	3	305	22,406	3.25	728	14	15,466	3.68	569	12-71		34	1,429	-.12	32	70
41-77-0130	7546611	1320310	9-69	1	305	16,740	3.31	554	6	13,390	3.70	495	2-72		36	835	-.07	20	42
41-77-0142	7190036	1500259	11-68	1	305	23,640	3.26	770	5	15,630	3.43	536	7-71		19	773	-.03	23	42
41-77-0145	6387053	1429213	9-65	2	305	20,700	4.07	843	18	17,145	3.31	568	2-72		30	516	.16	43	51
41-77-0219	6913771	1261857	8-67	2	300	21,435	3.48	746	13	19,080	3.53	673	1-71		40	691	.05	32	47
41-77-0219	7067696	1491000	12-67	2	305	22,565	3.24	731	9	16,940	3.54	599	4-71		36	1,166	-.06	32	62
41-78-0012	6818401	1472415	3-67	2	305	21,905	3.86	846	14	15,390	3.76	578	10-71		25	837	.03	35	54
41-79-0018	6943355	1365341	9-67	1	305	20,120	3.93	790	17	14,780	3.72	550	1-71		36	931	.01	35	57
41-79-0018	6943356	1365341	10-67	2	304	17,160	3.74	642	18	14,350	3.69	530	9-71		40	784	.00	28	47
41-79-0018	6943358	1365341	12-67	2	305	18,235	3.58	652	14	14,465	3.69	534	9-71		40	883	-.03	28	50
41-79-0018	7059815	1365341	5-68	1	305	18,700	3.71	693	17	15,670	3.62	567	10-71		36	766	.00	27	45
41-79-0018	7095852	1365341	2-68	1	305	18,210	3.37	614	17	14,780	3.72	550	1-71		36	789	-.04	22	42
41-79-0018	7236900	1365341	10-68	1	305	18,920	3.63	687	15	15,100	3.67	554	12-71		36	821	-.02	27	47
41-79-0018	7236901	1365341	12-68	1	305	18,740	3.88	727	17	15,670	3.62	567	10-71		36	769	.01	30	48
41-79-0065	5762378	1384257	9-62	6	305	18,168	3.62	657	5	13,437	3.68	494	12-71		36	701	.00	25	42
41-79-0237	7286208	1458744	9-68	2	293	15,255	4.22	643	16	12,035	3.91	470	10-71		40	753	.03	32	49
41-79-9141	6468423	1347065	10-65	3	305	19,863	3.84	763	19	14,723	3.65	537	1-71		42	685	.01	26	42
41-79-9336	6879054	1457318	8-67	2	305	18,655	4.07	759	8	15,545	3.94	613	12-70		32	611	.05	29	42
41-81-9084	7142515	1315578	5-68	2	305	20,000	4.03	805	12	16,205	3.65	591	6-71		40	565	.14	41	51
41-81-9084	7618860	1320310	2-70	1	305	22,860	3.45	789	7	17,000	3.50	595	3-72		36	1,049	-.04	31	57
41-81-9084	7618861	1320310	2-70	1	305	21,530	3.34	719	9	17,260	3.54	611	2-72		36	933	-.06	25	49
41-81-9084	7618862	1320310	2-70	1	305	24,670	2.97	733	9	17,260	3.54	611	2-72		36	1,167	-.10	26	57
41-82-0105	7012308	1365341	10-67	3	305	17,996	3.99	718	16	15,880	3.77	598	2-72		42	743	.03	31	48

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C D	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
41-82-0140	7332070	1365341	2-69	1	286	21,840	3.22	703	13	16,860	3.64	614	8-71		36	920	-.05	25	$ 48
41-82-0172	6968930	1239242	11-67	2	304	21,085	3.66	771	11	16,230	3.39	550	3-72		40	671	.03	28	43
41-82-9090	7276641	1495135	11-68	1	305	19,410	3.58	694	28	14,810	3.72	551	11-71		32	739	.04	32	49
41-82-9090	7550738	1450228	7-69	1	305	15,560	3.64	566	21	13,200	3.70	488	9-71		35	751	-.03	23	42
41-82-9090	7582871	1399283	7-68	2	305	18,720	4.29	804	25	15,260	3.71	566	11-71		40	612	.05	30	43
41-82-9090	7582875	1427381	10-69	1	305	18,410	3.62	667	22	16,520	3.71	613	1-72		36	924	.04	39	60
41-82-9118	6829192	1261857	11-66	3	305	17,797	3.71	661	16	14,860	3.73	554	8-71		42	734	.06	35	51
41-82-9118	6829193	1261857	4-67	3	305	19,490	3.61	703	14	15,390	3.70	569	8-71		42	874	.04	38	58
41-83-0069	6571373	1242338	7-65	3	304	19,323	3.46	669	18	12,550	3.75	470	9-71		42	656	.06	32	46
41-83-0069	6748353	1478797	10-66	2	305	20,535	3.60	739	19	14,535	3.78	549	2-71		25	761	-.02	25	44
41-83-0120	6966739	1330987	9-67	2	304	15,230	4.17	635	7	12,705	3.75	476	9-71		40	538	.08	32	43
41-83-9020	6911433	1329588	8-67	2	305	22,085	3.85	851	17	16,625	3.81	634	2-71		40	784	.00	28	47
41-84-9002	6910658	1483473	10-67	2	305	21,715	3.56	772	25	15,150	3.63	550	2-71		30	775	-.02	25	44
41-85-0097	7216754	1397209	8-68	2	300	17,280	4.18	723	8	13,555	3.66	496	3-72		40	670	.05	31	46
41-85-0135	7649388	1365341	10-68	1	305	18,710	3.48	651	15	13,730	3.58	492	11-71		36	897	-.02	29	51
41-85-0223	6599457	1261857	6-66	3	305	18,500	3.96	732	24	15,257	3.81	582	10-71		42	774	.08	40	56
41-85-0223	6674783	1261857	8-66	3	305	18,423	4.59	845	21	15,743	3.79	596	6-71		42	715	.17	52	64
41-85-0223	6763837	1261857	12-66	3	305	18,043	3.75	676	20	15,120	3.87	585	11-71		42	736	.05	34	50
41-85-0223	7276703	1514912	2-69	1	305	22,550	3.81	860	26	15,780	3.87	611	10-71		24	788	-.01	27	46
41-85-0321	6746908	1386406	10-66	3	305	18,636	3.60	671	19	14,546	3.61	525	9-71		42	707	.02	28	44
41-85-0417	6741934	1490298	1-67	4	298	19,988	3.30	660	13	13,773	3.74	515	2-72		30	936	-.08	22	46
41-85-0460	6700894	1261857	10-66	3	305	17,073	4.18	714	20	15,100	3.81	576	8-71		42	626	.11	39	51
41-85-9023	5705289	1383004	9-62	7	293	21,861	3.82	835	11	17,478	3.78	660	2-72	B	44	568	.11	37	48
41-85-9023	6310956	1421321	12-64	5	305	19,974	4.14	826	20	16,276	3.94	642	7-71		36	908	.03	38	59
41-85-9023	6310958	1421321	3-65	4	305	22,713	3.40	772	20	17,293	3.89	673	12-71		35	1,155	-.10	26	56
41-85-9023	6814174	1383004	2-67	3	305	20,980	4.03	846	14	16,886	3.84	649	11-71		42	461	.14	37	44
41-85-9023	7409264	1383004	3-69	1	305	22,150	4.10	909	13	15,390	3.90	600	6-71		36	468	.14	37	45
41-86-0085	7065435	1261857	9-67	2	305	17,535	4.19	735	18	15,460	3.85	595	12-71		40	626	.10	38	50
41-86-0120	7813064	1459098	8-69	1	305	17,770	3.26	580	22	14,890	3.71	552	10-71		34	1,024	-.07	26	52
41-86-0282	7322462	1418353	10-68	2	279	20,000	3.57	714	16	14,555	3.76	547	1-72		38	857	-.01	29	51
41-86-0432	7514787	1347940	8-69	1	305	15,740	3.59	565	12	11,680	3.46	404	10-71		36	801	.01	30	49
41-87-0038	6710617	1311429	10-66	4	305	23,170	4.03	933	24	18,140	3.84	697	1-72		44	1,045	-.01	36	61
41-87-0038	7563185	1381770	12-68	1	305	22,220	4.36	969	19	18,280	4.09	747	7-71		34	694	.01	27	43
41-87-0038	7560788	1391688	1-70	1	305	29,210	3.53	1030	13	20,590	3.99	822	3-72		35	1,074	-.10	23	51
41-87-9055	5849084	1337647	12-62	4	305	22,698	3.67	832	30	16,953	3.46	586	10-71		42	709	.04	31	47
41-87-9055	6063921	1199324	3-64	5	274	19,282	3.31	638	26	16,832	3.41	574	8-71	B	44	778	-.03	23	42
41-87-9055	7571120	1242338	1-69	1	305	24,350	3.56	868	27	15,380	3.36	517	5-71		36	564	.11	37	47
41-87-9055	7638247	1242338	11-69	1	305	26,300	3.30	867	27	16,550	3.37	557	10-71		36	631	.07	34	47
41-87-9055	7638251	1427381	2-70	1	305	20,610	3.26	672	25	15,450	3.51	543	3-72		36	1,160	.01	44	71
41-87-9055	7667962	1427381	11-69	1	237	23,070	3.81	880	25	15,450	3.51	543	3-72	8	36	1,343	.07	59	89
42-00-0102	7893333	1365341	9-69	1	305	16,530	3.98	658	30	13,430	4.02	540	10-71		36	755	-.01	26	44
42-00-0415	6653700	1406271	4-66	4	255	18,965	3.68	698	11	15,733	3.54	557	1-72		44	778	.05	36	53
42-03-0024	7169054	1406271	10-68	2	305	19,390	3.48	674	41	16,510	3.57	590	12-71		40	698	.03	29	45
42-03-0024	7186723	1355784	10-68	2	305	21,865	3.38	738	29	16,235	3.55	576	3-72		40	1,075	-.09	25	53
42-03-0041	7233161	1386406	10-68	1	305	21,760	3.03	659	20	13,230	3.79	501	9-71		36	886	-.06	23	46
42-03-0055	5794995	1199324	2-63	6	302	17,900	3.59	643	12	14,912	3.72	555	1-71		44	822	-.02	26	46
42-03-0055	6740254	1242221	10-66	4	302	18,560	3.22	598	17	14,918	3.81	568	11-71		42	1,062	-.08	26	53
42-03-0055	6972020	1261857	11-67	3	290	18,367	3.60	662	13	15,603	3.73	582	1-72		42	723	.04	32	48
42-03-0055	6992765	1383004	10-67	3	300	19,620	4.02	789	12	15,346	3.71	570	1-72		42	464	.15	39	46
42-03-0056	5994183	1407165	10-63	5	305	22,302	3.56	795	23	14,908	3.67	547	10-71		32	1,180	-.02	40	69
42-03-0056	7374159	1393997	1-69	2	305	19,425	3.80	738	12	16,005	3.61	577	3-72		40	652	.04	29	44
42-03-0123	7105397	1406271	12-67	2	297	17,450	3.55	619	10	12,240	3.90	477	11-71	8	40	391	.01	33	54
42-03-0162	5752812	1295307	11-62	5	305	19,470	3.44	669	12	13,998	3.56	499	11-71		43	845	-.02	27	48
42-03-0193	7213607	1383004	11-68	2	305	19,625	4.04	792	9	15,070	3.58	540	1-72		40	429	.16	39	45
42-03-0258	6632302	1383926	12-64	4	274	20,047	3.83	768	15	15,500	3.79	588	1-71		44	779	.04	34	51
42-03-0258	6751731	1468098	12-66	3	242	18,963	3.82	724	15	14,920	3.67	547	5-71		35	601	.06	31	44
42-03-0258	7110300	1427381	4-68	2	177	17,105	3.46	592	10	15,105	3.56	537	12-71		40	931	.03	38	59
42-05-0004	7070874	1481197	7-67	2	305	21,250	3.72	790	6	14,570	3.70	539	4-71		25	848	.01	32	52
42-05-0017	7225328	1478014	12-68	1	305	19,590	4.41	863	8	14,890	3.72	554	3-71		35	631	.09	37	49
42-06-0058	7578729	1447414	11-69	1	305	17,730	3.73	662	11	13,630	3.72	507	9-71		35	914	-.03	29	51
42-06-0058	7586578	1447414	9-69	1	305	17,680	3.38	598	10	15,220	3.60	548	6-71		35	802	-.05	22	42
42-06-0058	7586579	1447414	9-69	1	305	19,070	3.65	697	12	14,910	3.80	566	10-71		35	928	-.04	28	51
42-06-0080	7431555	1386406	8-69	1	305	16,780	4.19	703	32	12,230	3.72	455	9-71		36	582	.06	30	42
42-06-0087	6181315	1451334	9-64	3	305	16,530	3.84	635	8	13,253	3.73	494	4-71		33	798	-.01	28	47
42-06-0097	6180302	1291498	10-64	5	305	22,424	3.44	772	6	17,350	3.62	628	8-71		44	824	-.05	22	43
42-07-0006	5220627	1302240	11-60	9	304	18,447	3.72	687	12	14,759	3.67	541	3-72		34	702	.02	28	44
42-07-0006	7289526	1320371	9-68	2	305	21,655	3.58	776	10	15,875	3.79	602	12-71		40	782	-.03	24	43
42-07-0020	6537712	1184848	1-66	4	305	19,680	3.54	697	11	13,748	3.85	529	10-71		44	750	.02	30	47
42-07-0028	7400893	1427381	10-68	1	305	18,940	4.13	782	18	14,460	3.67	531	3-71		36	1,102	.09	53	77
42-07-0047	7071589	1222994	9-67	2	305	16,160	4.38	707	26	12,075	3.89	470	6-71		40	665	.17	34	45
42-07-0047	153174	1261857	6-68	1	305	19,230	3.97	764	45	12,850	3.77	485	9-71		36	895	.08	45	64
42-07-0059	6678285	1458744	12-66	4	286	18,285	3.59	656	13	13,865	3.82	529	12-71	8	44	964	-.02	31	55
42-07-0076	7019065	1473442	1-68	2	301	21,055	3.63	765	6	16,110	3.68	593	3-72		39	905	-.14	26	49
42-07-0097	6604530	1458744	5-66	3	305	19,236	3.54	680	27	16,500	3.70	611	8-70		42	774	-.03	24	43
42-07-0097	6990839	1365341	1-68	3	302	24,313	3.54	860	29	17,993	3.53	635	2-72		42	1,250	-.01	43	73
42-08-0015	7132497	1386406	8-68	2	305	21,355	3.85	822	12	17,260	3.62	625	3-72		40	668	.05	32	47
42-08-0031	6885729	1347940	9-67	2	305	18,415	3.27	603	25	15,890	3.32	528	1-71		40	759	-.02	25	43
42-08-0031	6977205	1365341	2-68	2	302	21,395	3.20	685	25	14,875	3.39	505	4-71		40	1,166	-.05	34	63
42-08-0031	7170011	1347940	9-68	1	305	19,680	3.07	605	31	15,890	3.46	549	12-70		36	812	-.04	23	43
42-08-0031	7185897	1365341	9-68	2	305	20,625	3.20	659	27	15,950	3.37	538	2-72		40	990	-.04	29	54
42-08-0031	7218024	1347940	10-68	1	305	19,450	3.30	642	31	16,400	3.38	555	2-71		36	760	-.01	26	44
42-08-0031	7218039	1365341	12-68	1	305	20,810	3.24	675	33	14,700	3.44	505	4-71		36	988	-.04	30	55
42-08-0031	7218040	1365341	1-69	1	305	22,530	3.26	734	37	14,060	3.41	479	6-71		36	1,159	-.04	36	65
42-08-0031	7447004	1397209	11-69	1	305	24,450	2.97	726	17	15,500	3.37	523	3-72		36	995	-.08	24	50
42-09-0034	7302629	1478014	9-68	2	305	20,765	3.59	746	27	17,240	3.60	621	11-71		40	544	.03	27	42

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C D	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
42-09-0045	6385835	1459917	8-65	5	303	16,826	4.01	674	11	13,932	3.65	509	11-71		36	565	.08	32	$ 43
42-09-0045	6753894	1459917	1-67	3	305	19,110	3.82	730	11	14,047	3.69	518	9-71		33	818	.04	36	54
42-10-0080	5063485	1315474	10-59	4	305	20,778	3.47	721	11	14,275	3.59	512	10-71		30	987	-.02	32	56
42-10-0080	6231216	1434811	9-64	2	305	19,615	3.95	775	11	14,975	3.65	546	2-72		29	670	.07	35	49
42-10-0132	7705448	1513889	5-70	1	305	17,160	3.92	673	5	11,400	3.55	405	4-72		25	636	.03	28	42
42-11-0054	7247210	1365341	4-68	2	301	19,415	3.63	705	16	14,585	3.64	531	10-71		40	991	-.01	34	58
42-12-0010	7109790	1389915	10-67	2	305	23,755	3.15	748	9	14,515	3.62	526	6-71		38	1,343	-.11	31	66
42-12-0010	7109791	1389915	10-67	2	305	20,640	3.62	748	17	15,475	3.73	577	11-71		38	923	-.04	27	53
42-12-0025	7090551	1377954	9-66	3	305	19,260	3.95	760	19	16,783	3.88	651	12-71		42	654	.03	28	43
42-14-0018	6790211	1210507	3-67	3	305	20,320	3.39	688	10	14,713	3.58	527	7-71		41	1,065	-.10	23	51
42-14-0018	7151151	1210507	9-68	2	305	20,980	3.53	740	10	16,220	3.80	616	2-72		39	933	-.10	18	43
42-14-0036	7641773	1450228	12-69	1	305	21,120	3.29	695	22	15,820	3.72	589	1-72		35	996	-.07	25	51
42-15-0006	6756967	1366152	9-66	4	300	23,920	3.41	816	42	16,068	3.90	626	4-72		43	1,092	-.05	31	59
42-15-0006	7127330	1473442	10-67	3	300	21,306	4.06	865	45	16,196	3.83	620	12-71		41	980	.01	37	6[illegible]
42-15-0006	7652833	1365341	10-69	1	305	22,230	3.82	849	10	17,460	3.91	683	4-72		36	909	-.01	31	53
42-15-0039	6984251	1365341	11-67	3	305	18,543	3.80	704	7	13,870	3.91	542	3-72		42	1,014	-.01	35	59
42-17-0044	6287824	1249430	11-64	5	305	18,748	3.63	680	14	14,134	3.59	508	4-72		44	673	.02	27	43
42-18-0017	6730540	1261857	11-66	4	302	17,775	3.56	633	8	15,030	3.68	553	11-71		44	729	.04	32	43
42-18-0017	6984250	1365341	10-67	3	299	17,373	3.73	648	8	15,126	3.72	562	9-71		42	749	-.01	26	44
42-18-0017	7052049	1261857	3-67	3	301	17,783	3.73	664	9	15,463	3.72	575	5-71		42	670	.06	33	47
42-18-0017	7480632	1447414	11-69	1	290	22,680	3.68	834	10	15,540	3.71	576	9-71		35	1,158	-.02	38	65
42-18-0017	7645346	1447414	4-70	1	305	19,430	3.44	668	9	16,240	3.60	584	3-72		35	865	-.04	25	47
42-19-0006	7257467	1427381	9-68	1	305	18,110	3.71	671	8	14,250	3.96	564	1-72		36	1,054	.03	42	56
42-22-0003	5828537	1428762	1-63	5	305	19,132	3.66	700	32	12,558	3.75	471	1-71		34	1,068	.01	40	65
42-22-0003	6714874	1455703	11-66	2	305	18,500	3.57	661	54	12,225	3.87	473	10-70		30	921	-.02	30	53
42-22-0003	6787253	1455703	1-67	2	305	18,275	3.52	643	54	12,750	3.84	490	1-71		30	838	-.03	26	47
42-22-0003	7147137	1377954	2-68	2	294	20,945	3.64	763	34	13,400	3.73	500	1-72		40	1,109	.01	41	67
42-22-0019	6506671	1443829	11-65	4	305	20,225	4.56	922	18	16,815	3.69	620	7-71		37	763	.17	54	67
42-22-0019	7560177	1443829	10-69	1	301	21,310	3.59	765	18	17,120	3.59	614	11-71		28	677	.01	26	42
42-22-0052	6734477	1314767	5-66	3	287	18,623	3.78	704	19	14,073	3.86	543	12-70		42	650	.02	27	4[illegible]
42-22-0052	6734478	1314767	7-66	4	303	18,612	3.97	739	20	14,430	3.92	566	1-72		44	544	.05	30	44
42-22-0067	5435748	1271147	9-61	6	305	19,235	3.61	695	6	13,853	3.75	519	8-71		37	937	-.01	32	55
42-22-0104	7153095	1458744	3-68	2	305	21,200	3.49	740	9	14,340	3.61	518	4-72		40	1,146	-.02	38	66
42-22-0168	7247110	1427381	9-68	1	259	19,060	3.34	637	18	16,790	3.34	561	3-71	B	36	954	.04	40	62
42-22-0199	7274294	1428104	1-69	1	305	17,940	3.78	678	13	13,070	3.70	483	5-71		35	831	-.06	21	42
42-22-0207	6753527	1443829	10-66	3	305	20,413	3.62	738	13	17,180	3.73	640	1-71		36	722	[illegible]	26	43
42-22-0207	7075939	1242221	2-68	1	305	21,750	3.02	657	5	17,570	3.47	609	6-71		34	1,018	-.15	29	55
42-22-0207	7175368	1443829	9-68	2	305	20,355	4.20	854	15	17,405	3.76	654	10-71		33	650	.08	36	49
42-22-0207	7242353	1242221	9-68	2	305	19,500	3.67	715	14	17,525	3.80	666	10-71		38	867	-.01	29	5[illegible]
42-22-0207	7563885	1427381	9-69	1	305	20,810	4.13	859	16	17,890	3.77	674	11-71		36	1,011	.06	49	71
42-22-0218	7969261	1427381	11-69	1	305	17,450	4.03	703	17	14,420	3.92	565	2-72		36	993	.05	44	65
42-22-0220	7291487	1330987	2-69	1	305	18,280	4.07	744	11	15,150	3.45	522	3-71		36	557	.09	33	44
42-22-0222	6923582	1261857	7-67	3	303	18,590	3.76	699	6	16,757	3.52	590	2-72		42	629	.09	36	44
42-22-0244	6193850	1179372	12-63	5	302	16,632	5.01	834	23	13,538	3.97	537	12-71		44	577	.17	47	5[illegible]
42-22-0339	6675258	1383004	3-65	3	305	16,900	4.01	677	7	12,510	3.60	450	8-71		42	444	.15	33	45
42-22-0445	7110301	1427381	4-68	2	305	18,070	3.72	673	10	13,530	3.56	481	8-71		40	1,173	.06	51	77
42-22-0445	7189688	1427381	5-68	2	300	18,430	3.83	706	16	14,435	3.54	511	11-71		40	1,127	.07	52	77
42-22-0445	7480930	1427381	1-70	1	305	18,940	3.48	659	11	16,550	3.46	573	2-72		36	961	.04	41	63
42-24-0017	7007668	1365058	10-67	3	305	19,210	3.36	646	7	11,917	3.62	431	2-72		42	991	-.08	24	5
42-25-0001	6928314	1479701	7-67	2	305	24,740	3.25	805	18	14,015	3.53	495	2-71		29	1,267	-.05	38	7
42-27-0006	7236375	1365341	12-68	1	305	20,250	3.55	718	19	17,290	3.71	642	3-71		36	773	-.03	24	45
42-28-0006	7435357	1447414	11-69	1	302	18,790	3.24	609	10	14,920	3.55	530	2-72		35	906	-.06	24	47
42-28-0006	7566396	1447414	2-70	1	305	19,920	3.44	685	9	15,130	3.55	537	3-72		35	977	-.04	29	53
42-28-0007	6909993	1261857	11-67	2	303	15,755	3.95	622	13	13,570	3.88	526	8-71		40	618	.07	33	46
42-28-0007	7232940	1387978	1-69	1	305	17,710	3.83	678	13	12,070	3.89	469	5-71		35	832	.00	30	5
42-28-0015	7008926	1464510	11-67	2	305	20,705	3.54	733	5	15,480	3.78	585	5-71		38	926	-.06	24	4[illegible]
42-28-0018	7356052	1427381	9-68	2	305	27,285	3.19	871	17	17,265	3.49	602	1-72		40	1,767	-.02	50	103
42-28-0018	7652844	1427381	8-69	1	305	20,550	3.86	793	8	17,480	3.72	650	4-72		36	1,019	.05	45	6[illegible]
42-28-0086	7374573	1458744	11-68	2	298	20,885	3.46	722	16	16,420	3.68	604	1-72		40	924	-.03	28	51
42-28-0086	7374574	1458744	12-68	2	305	21,880	2.91	636	16	16,535	3.65	604	11-71		40	1,014	-.11	19	46
42-28-0126	6324764	1330987	10-63	3	305	17,270	4.25	734	5	14,520	3.76	546	12-71		42	666	.10	37	49
42-28-0135	6831763	1330987	11-66	4	304	18,540	3.60	668	6	14,698	3.64	535	4-72		44	760	.02	31	45
42-28-0135	6831765	1330987	11-66	4	305	17,975	3.79	681	14	15,723	3.59	565	1-72		44	576	.06	30	42
42-28-0135	7092350	1397209	7-68	2	305	19,845	3.68	730	18	15,770	3.47	547	10-71		40	728	[illegible]	27	4[illegible]
42-28-0137	7748603	1427381	4-69	1	294	16,270	3.72	606	12	13,930	3.60	502	12-71		36	938	.05	41	62
42-28-0159	6999051	1488266	9-67	2	305	19,060	3.60	686	8	13,710	3.35	459	3-71		25	668	.03	28	4[illegible]
42-28-0159	7404411	1458744	11-68	2	305	17,920	3.69	661	6	13,585	3.65	496	3-72		40	882	.02	32	53
42-30-0036	7483454	1427381	12-69	1	281	16,560	3.47	575	9	13,490	3.66	494	2-72		36	969	.03	40	53
42-31-0073	7336449	1427381	1-69	1	296	15,950	3.59	572	22	13,060	3.54	462	9-71		36	973	.04	42	54
42-31-0104	6917515	1261857	6-67	3	305	18,927	3.44	651	12	15,597	3.70	577	2-72		42	768	.02	32	5
42-33-0012	6925912	1474835	9-67	2	305	19,060	3.80	724	13	13,160	3.63	478	1-72		32	765	.02	32	[illegible]
42-33-0075	5738890	1199324	11-62	7	305	22,001	3.45	759	18	15,814	3.68	582	2-72		44	1,247	-.05	37	[illegible]
42-33-0075	6470516	1459133	8-65	5	305	24,320	3.43	833	25	17,498	3.65	639	12-71		37	994	-.06	26	5[illegible]
42-33-0075	6715309	1476235	9-66	3	294	21,790	3.97	866	18	17,873	3.65	653	12-70		34	517	.09	32	4[illegible]
42-33-0110	6955522	1451920	7-67	3	297	19,596	3.63	711	23	13,720	3.86	529	12-71		37	817	.01	31	5
42-33-0187	7055205	1498804	8-67	3	305	21,250	3.49	741	10	15,606	3.56	556	4-72		33	953	-.02	32	[illegible]
42-33-0202	6244661	1425158	8-64	5	305	21,438	3.47	743	12	16,164	3.76	607	3-72		36	884	-.05	24	45
42-33-0202	7050798	1386406	11-67	2	297	21,110	3.79	800	22	17,645	3.70	652	2-72		40	628	.04	28	4[illegible]
42-33-0202	7157488	1261857	7-68	2	305	24,100	3.92	944	20	17,420	3.79	660	3-72		40	1,114	.08	53	77
42-33-0216	6844561	1237057	8-66	3	301	16,090	4.15	668	11	12,443	3.63	452	2-71		42	666	.03	28	43
42-33-0232	6672741	1383004	9-66	4	303	20,555	3.99	820	10	16,405	3.83	629	12-71		44	500	.13	37	45
42-33-0237	6688809	1430733	5-66	3	305	18,950	3.63	687	16	13,880	3.80	527	8-71		32	830	-.02	27	47
42-33-0251	6372291	1237057	12-64	5	305	21,412	3.51	751	18	15,690	3.49	547	1-72		44	1,015	-.04	31	56
42-33-0251	7685871	1427381	12-68	2	305	17,985	3.83	688	21	16,425	3.48	572	2-72		40	900	.08	44	63
42-33-0269	6889154	1323059	10-66	3	252	18,050	3.76	679	11	12,623	3.69	466	9-71	B	42	798	-.03	24	44

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C D	.......C O W REPT (%)	MILK (LB)	I N D E X....... FAT (%)	FAT (LB)	DOL-LARS
42-33-0323	6420057	1449647	7-65	3	305	20,303	3.49	709	12	13,427	3.30	443	5-71		29	966	.01	37	$ 60
42-33-0357	6720367	1237057	9-66	3	305	19,393	3.83	742	14	13,983	3.72	520	6-71		42	887	-.01	30	51
42-33-0392	7059028	1413108	4-68	2	305	19,185	3.34	641	8	13,725	3.69	507	9-71		31	966	-.05	27	51
42-35-0027	6568103	1448475	7-65	5	301	15,602	3.63	567	25	13,542	3.73	505	10-71		36	895	-.02	29	51
42-35-0027	6784904	1448475	8-65	4	305	21,360	3.38	722	29	13,805	3.68	508	8-71		35	1,679	-.06	51	93
42-35-0027	6784908	1448475	1-66	4	302	16,807	3.62	608	15	14,017	3.70	519	4-71		35	1,010	-.02	33	55
42-35-0027	6784912	1448475	6-66	4	299	15,787	3.69	583	12	12,937	3.80	491	9-71		35	1,003	-.02	33	57
42-35-0027	6784915	1448475	9-66	4	305	22,002	3.96	872	23	14,320	3.66	524	4-72		35	1,704	.05	70	109
42-35-0027	6784917	1448475	10-66	2	305	18,720	3.50	656	19	14,055	3.69	519	10-71		31	1,205	-.03	38	68
42-35-0027	6784919	1448475	11-66	4	274	17,000	3.38	575	26	13,905	3.65	508	10-71		35	1,051	-.05	30	56
42-35-0027	7069413	1448475	11-67	2	305	19,105	3.68	704	20	13,505	3.72	503	9-71		31	1,308	-.01	45	77
42-35-0027	7069415	1448475	1-68	2	305	20,760	3.87	803	9	14,235	3.70	527	3-72		31	1,424	.02	54	87
42-35-0027	7069417	1448475	1-68	2	292	16,250	3.35	544	16	12,975	3.69	479	7-71		31	1,029	-.05	29	55
42-35-0027	7069418	1448475	2-68	2	305	22,580	3.45	779	18	13,315	3.72	495	8-71		31	1,734	-.05	55	98
42-35-0027	7069419	1448475	6-68	2	305	21,135	3.55	750	18	13,315	3.72	495	8-71		31	1,565	-.03	51	89
42-35-0027	7605728	1448475	12-68	2	305	19,160	3.42	656	17	14,665	3.70	542	4-72		31	1,192	-.05	35	65
42-35-0027	7605730	1448475	1-69	1	305	20,400	4.02	820	21	13,410	3.74	501	8-71		26	1,309	.02	51	81
42-35-0027	7644634	1448475	12-68	1	305	17,860	3.58	640	21	13,890	3.74	520	9-71		26	1,051	-.03	34	[illegible]
42-35-0027	7644635	1448475	12-68	2	303	19,820	3.47	688	17	14,665	3.70	542	4-72		31	1,269	-.04	39	[illegible]
42-35-0027	7644636	1448475	12-68	1	305	29,130	3.45	1006	23	14,580	3.68	537	4-71		26	1,977	-.04	65	113
42-35-0027	7644638	1448475	12-68	1	305	22,500	3.51	790	23	14,820	3.68	545	3-71		26	1,382	-.03	45	74
42-35-0027	7644640	1448475	1-69	1	305	22,260	3.46	771	21	13,890	3.74	520	9-71		26	1,434	-.04	46	81
42-35-0027	7644641	1448475	2-69	1	305	19,380	3.85	747	21	13,410	3.74	501	8-71		26	1,221	.01	45	74
42-35-0050	7199206	1330987	8-68	2	305	22,090	3.20	706	18	15,695	3.76	590	2-72		40	961	-.04	28	52
42-35-0050	7382457	1427381	5-69	1	305	22,440	3.53	793	23	15,540	3.66	568	12-71		36	1,290	.03	51	81
42-36-0003	6629458	1261857	10-66	3	304	18,230	3.49	636	29	14,047	3.57	501	4-71		42	868	.04	39	57
42-38-0051	7261193	1386406	10-68	2	301	18,470	3.97	734	9	14,065	3.86	543	1-72		40	687	.04	31	46
42-38-0051	7464759	1426616	9-69	1	305	20,700	3.82	791	11	12,450	3.79	472	11-71		33	1,034	.00	38	62
42-38-0065	6872329	1386406	1-67	3	247	21,266	3.72	792	11	16,760	3.65	611	1-72	B	42	781	.03	33	51
42-38-0085	7065581	1386406	11-67	2	305	17,095	3.54	606	7	10,875	3.74	407	8-71		40	839	.00	30	[illegible]
42-39-0011	5634804	1365140	9-62	6	271	19,700	3.34	658	6	14,380	3.44	495	10-71	B	35	919	-.05	26	[illegible]
42-39-0025	7125475	1383004	9-68	2	305	18,430	4.18	770	8	13,815	3.74	516	12-71		40	423	.16	39	45
42-39-0026	6473107	1276654	10-65	4	305	21,613	3.47	749	5	14,193	3.59	509	1-72		44	1,038	-.02	34	[illegible]
42-39-0026	6755359	1464943	12-66	2	305	21,790	3.47	757	5	14,340	3.75	538	12-70		30	838	-.05	23	44
42-41-0008	6196935	1413613	6-64	6	304	19,588	3.64	713	11	15,803	3.47	549	4-72		33	664	.03	29	[illegible]
42-41-0008	7426897	1397209	10-69	1	305	20,680	4.05	838	18	15,320	3.51	537	12-71		36	726	.03	31	[illegible]
42-41-0037	6293286	1447007	1-65	4	305	18,363	4.12	757	14	14,323	3.61	517	7-71		34	549	.12	36	[illegible]
42-41-0037	6414318	1453282	9-65	5	291	19,916	3.33	664	11	14,498	3.63	526	4-72		35	883	-.06	22	[illegible]
42-41-0059	7250124	1476170	6-67	3	305	22,923	3.39	778	13	14,666	3.65	535	11-71		38	1,236	-.02	41	[illegible]
42-41-0060	6994327	1488829	9-67	3	305	18,373	3.69	678	6	13,430	3.72	500	2-72		32	723	.01	28	[illegible]
42-45-0008	6770748	1242221	11-66	3	284	17,447	3.55	620	50	14,063	3.75	528	2-72		41	1,003	-.02	33	[illegible]
42-45-0008	6987530	1242221	11-67	2	305	15,865	3.81	604	35	13,340	3.76	501	8-71		38	881	.01	33	[illegible]
42-45-0029	6445737	1347065	11-65	5	299	21,982	3.67	807	9	15,918	3.76	598	10-71		44	888	-.03	28	[illegible]
42-45-0032	6021783	1199324	12-63	5	302	20,384	3.80	775	9	16,624	3.63	604	10-71		44	944	.02	37	[illegible]
42-46-0049	6824240	1458744	2-67	3	305	17,816	3.72	663	17	13,380	3.65	489	1-72		42	933	.01	35	[illegible]
42-46-0049	6824241	1458744	3-67	3	303	17,013	3.79	644	11	13,226	3.59	475	5-71		42	857	.02	34	[illegible]
42-46-0049	7029597	1458744	3-68	2	301	15,995	3.63	580	9	12,630	3.68	465	8-71		40	773	-.01	26	[illegible]
42-46-0049	7282034	1458744	12-68	1	305	16,860	4.12	695	13	12,090	3.70	447	6-71		36	817	.03	34	[illegible]
42-46-0049	7523369	1458744	7-69	1	305	17,870	3.41	609	17	13,550	3.70	502	10-71		36	794	-.03	24	[illegible]
42-48-0009	6160610	1382939	7-64	4	304	19,412	4.09	793	29	14,932	3.70	552	9-71		39	618	.05	3[illegible]	[illegible]
42-48-0022	6760979	1330987	1-67	3	305	16,697	4.17	697	12	13,700	3.74	512	4-71		42	525	.10	37	[illegible]
42-49-0004	6717930	1478014	2-67	3	305	18,487	3.95	731	12	15,797	3.60	568	3-72		42	577	.07	32	44
42-49-0037	6712099	1377954	12-66	4	304	19,773	3.57	705	16	14,473	3.46	501	4-72		44	989	.02	39	[illegible]
42-50-0021	7980961	1365341	3-70	1	305	20,720	3.22	668	8	14,110	3.73	526	11-71		36	1,021	-.06	28	[illegible]
42-50-0046	6854446	1475669	3-67	2	305	20,495	3.65	748	21	14,235	3.54	504	1-72		25	790	.02	31	[illegible]
42-53-0064	7316256	1515073	10-68	2	224	22,760	3.62	825	9	17,570	3.73	656	3-72	B	30	866	-.01	29	[illegible]
42-53-0064	7574737	1427381	10-69	1	305	22,360	3.67	820	19	18,390	3.73	686	2-72		36	1,093	.04	45	7[illegible]
42-55-0019	7534729	1383926	9-69	1	305	18,700	4.04	755	28	14,170	3.68	521	11-71		36	566	.06	30	42
42-55-0033	7214179	1427381	11-68	1	305	20,590	3.61	743	21	15,520	3.69	572	4-71		36	1,153	.03	47	73
42-55-0054	6293435	1398216	11-64	4	262	16,508	4.23	698	7	13,718	3.62	496	6-71	B	44	661	.05	31	45
42-55-0070	7710314	1427381	1-69	1	298	15,630	3.97	620	12	13,250	3.68	488	5-71		36	936	.06	43	[illegible]
42-55-0083	6569697	1453355	3-66	2	305	15,695	3.82	599	9	10,375	3.75	389	4-71		29	717	.03	30	[illegible]
42-56-0001	7243764	1355784	11-68	2	305	24,975	3.59	896	30	18,245	3.96	723	12-71		40	1,208	-.10	28	6
42-56-0003	7170705	1386859	8-68	2	305	18,685	3.81	712	18	14,215	3.81	542	12-71		40	681	.02	28	44
42-56-0026	6631828	1365341	9-66	3	297	17,503	3.94	690	28	14,983	3.75	562	6-71		42	779	.02	31	49
42-56-0026	6940055	1506302	11-67	2	305	18,370	3.91	719	35	15,930	3.65	582	4-71		29	564	.06	30	[illegible]
42-56-0026	7013442	1506302	1-68	2	305	19,330	3.71	718	25	14,995	3.68	552	6-71		29	779	.03	33	51
42-56-0026	7013443	1506302	2-68	2	305	18,335	3.75	687	25	15,070	3.68	554	6-71		29	653	.04	29	44
42-56-0026	7094720	1365341	4-68	2	297	19,410	3.47	673	23	15,155	3.67	556	9-71		40	939	-.03	29	52
42-56-0026	7094721	1365341	5-68	2	305	19,150	3.72	712	24	14,715	3.68	542	9-71		40	953	.00	34	57
42-56-0026	7190047	1506302	11-68	1	305	19,480	3.92	764	37	15,040	3.62	544	5-71		24	680	.06	34	48
42-56-0026	7221330	1397209	9-68	2	281	20,190	3.60	727	21	15,430	3.69	569	12-71		40	794	-.02	25	45
42-56-0026	7221331	1365341	9-68	2	281	17,560	3.95	693	25	15,240	3.64	555	11-71		40	743	.03	31	[illegible]
42-56-0026	7221332	1365341	11-68	1	305	23,060	3.42	788	35	16,080	3.63	584	3-71		36	1,063	-.03	33	59
42-56-0026	7429954	1365341	9-69	1	283	17,530	4.11	721	30	14,700	3.74	550	1-72		36	744	.02	30	[illegible]
42-56-0026	7429955	1365341	10-69	1	304	19,350	3.60	696	25	14,390	3.70	533	12-71		36	900	-.02	30	52
42-57-0109	6217615	1427862	9-64	4	305	18,730	3.92	735	18	14,868	3.42	508	8-71		30	595	.09	35	47
42-57-0159	7452588	1399824	10-69	1	305	23,730	3.22	764	21	17,010	3.54	602	1-72		36	865	-.02	28	49
42-57-0176	6765098	1365341	12-66	3	291	17,520	3.38	593	18	14,303	3.49	499	8-71		42	851	-.03	26	[illegible]
42-57-0176	7008691	1330987	3-68	2	278	18,420	3.55	653	12	14,380	3.59	516	8-71	H	40	709	.03	30	46
42-57-0194	5802133	1085978	3-63	6	303	16,178	3.69	597	24	13,875	3.52	489	6-71		44	696	.00	25	42
42-57-0194	6943076	1493253	9-67	2	305	18,360	3.55	651	13	12,865	3.46	445	2-72		30	812	-.02	27	47
42-60-0026	5618053	1364341	3-62	7	303	20,258	3.31	671	10	14,481	3.56	515	10-71		37	950	-.06	25	49
42-60-0026	7201567	1347940	6-68	1	305	17,050	3.91	667	19	14,510	3.81	553	9-70		36	708	.02	28	44
42-60-0026	7227891	1365341	3-68	3	244	18,973	3.34	634	10	14,746	3.74	552	1-72	B	42	972	-.06	26	51

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C O	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOLLARS
42-60-0030	7540597	1450228	2-68	2	305	19,505	3.50	682	9	13,325	3.47	462	6-71		39	1,172	-.03	38	$ 67
42-60-0090	6775802	1244845	9-66	3	305	21,083	3.29	693	7	15,173	3.39	515	1-71		42	892	-.05	24	47
42-60-0090	7386764	1427381	8-69	1	305	24,570	3.41	837	21	16,490	3.25	536	11-71		36	1,385	.04	56	88
42-60-0090	7493396	1427381	11-69	1	276	20,410	3.17	648	19	16,260	3.37	548	12-71		36	1,090	.01	41	67
42-60-0090	7493397	1427381	11-69	1	305	19,120	4.04	773	21	16,490	3.25	536	11-71		36	979	.11	52	72
42-60-0090	7493398	1427381	11-69	1	305	22,250	3.03	674	19	16,260	3.37	548	12-71		36	1,227	-.01	43	72
42-60-0090	7548281	1427381	12-69	1	305	21,340	3.68	785	15	15,930	3.36	536	1-72		36	1,182	.07	53	79
42-64-0025	6547798	1237057	11-65	4	305	20,373	3.87	789	18	15,510	3.71	576	11-71		44	378	.03	31	52
42-64-0025	7171936	1397209	7-68	2	305	22,240	3.55	790	11	16,220	3.76	610	2-72		40	930	-.04	28	51
42-65-0008	5815209	1385844	1-63	7	299	18,201	3.77	687	37	15,801	3.53	557	12-71		34	619	.04	29	43
42-65-0008	5815211	1385844	3-63	6	305	20,132	3.40	685	45	15,113	3.52	532	9-71		34	1,009	-.03	32	57
42-65-0008	5849959	1385844	1-63	6	301	19,328	3.31	639	42	14,893	3.54	527	6-71		34	916	-.05	26	49
42-65-0008	6140453	1426320	5-64	6	299	20,100	3.57	717	40	16,057	3.49	561	12-71		32	668	.01	26	42
42-65-0008	6465370	1451399	10-65	4	305	20,040	3.55	712	52	16,533	3.44	568	4-71		35	721	.00	26	43
42-65-0008	6831925	1365341	2-67	3	298	18,936	3.51	665	50	16,656	3.42	569	3-71		42	771	-.01	27	46
42-65-0008	6942595	1365341	10-67	2	305	20,810	3.28	683	55	15,600	3.42	534	6-71		40	1,040	-.04	32	58
42-65-0008	6942597	1347940	6-67	3	302	17,386	3.45	600	53	14,896	3.44	512	8-71		42	763	.00	27	45
42-65-0008	7023642	1315578	11-67	3	305	20,016	3.46	693	40	16,903	3.38	572	3-72		42	543	.08	32	43
42-65-0008	7119231	1365341	3-68	2	293	20,640	3.21	663	45	16,575	3.37	558	4-71		40	934	-.04	27	50
42-65-0008	7285579	1365341	8-68	1	305	17,740	3.74	664	48	15,940	3.43	546	10-71		35	676	.01	26	42
42-66-0010	6281312	1404814	3-65	4	305	21,987	3.67	808	21	16,055	3.77	605	3-72		43	895	.02	35	56
42-66-0010	6764949	1476170	11-66	4	305	21,470	3.41	733	13	15,897	3.81	606	3-72		40	960	-.04	28	52
42-66-0010	6933403	1476170	9-67	2	305	20,660	3.55	733	11	15,675	3.74	587	2-71		36	776	-.01	27	46
42-66-0040	6555942	1330987	3-65	5	305	18,212	3.88	706	8	14,622	3.80	556	5-71		44	744	.05	35	51
42-66-0040	6759564	1406271	10-66	2	305	18,220	3.91	712	15	15,505	3.84	595	6-71		40	571	.05	32	47
42-66-0040	7274806	1480188	8-68	2	305	19,555	3.86	754	19	15,015	3.82	574	10-71		30	718	.03	31	47
42-66-0045	6081307	1199324	3-64	5	305	21,696	3.21	697	10	17,918	3.58	642	1-72		44	963	-.08	23	45
42-69-0015	6585350	1428731	2-66	4	293	17,587	3.47	611	19	12,590	3.67	462	10-71		37	909	-.03	28	51
42-69-0020	7010988	1428731	10-67	2	305	18,350	3.50	643	5	14,115	3.55	501	5-71		34	745	-.01	25	43
42-69-0020	7403566	1529654	8-69	1	305	24,090	3.88	935	6	13,900	3.65	507	2-72		19	964	.04	41	53
42-69-0020	7449870	1428731	11-68	1	305	21,590	3.71	805	5	12,120	3.62	439	4-71		28	1,073	.01	40	55
42-71-0078	7293111	1468738	10-68	2	299	22,015	3.26	717	22	14,485	3.49	506	10-71		32	1,107	-.06	30	58
42-71-0089	7005422	1468738	12-67	3	305	23,270	3.45	803	9	17,506	3.64	637	11-71		34	1,025	-.05	29	55
42-75-0007	6820452	1470493	4-67	1	305	20,250	3.51	711	32	14,500	3.63	527	2-72		24	718	-.01	25	42
42-75-0012	7266522	1499933	10-67	2	305	20,480	3.41	698	11	13,815	3.90	539	12-71		25	836	-.06	21	43
42-77-0074	6765101	1070036	1-67	4	304	19,730	3.70	730	25	15,895	3.86	614	1-72		44	763	.03	30	46
42-77-0074	6942593	1315578	6-67	3	302	17,126	4.32	740	17	13,786	3.85	531	6-71		42	533	.15	42	51
42-77-0074	6945509	1365341	9-67	3	305	21,430	3.63	778	26	15,686	3.87	607	1-72		42	1,158	-.03	37	65
42-77-0074	6987174	1406271	9-67	2	305	20,815	4.04	840	20	16,225	3.80	616	3-72		40	568	.08	43	52
42-77-0074	7121281	1365341	9-67	2	305	18,105	4.09	741	17	13,710	3.95	541	8-70		40	938	.02	37	54
42-77-0074	7165765	1347940	5-68	2	305	17,670	3.97	702	21	13,460	3.92	527	8-71		40	905	.02	35	56
42-77-0074	7293293	1347940	3-69	1	305	19,110	3.54	676	19	14,080	3.76	530	5-71		36	891	-.01	30	52
42-77-0074	7292405	1365341	3-69	1	270	17,830	3.47	619	19	14,140	3.76	532	5-71		36	864	-.03	24	44
42-77-0074	7315799	1397209	2-69	1	305	20,880	3.76	785	19	13,990	3.75	524	5-71		36	330	-.01	28	45
42-77-0074	7550774	1347940	11-69	1	305	21,160	3.40	719	33	14,590	3.89	567	11-71		36	1,009	-.03	31	56
42-77-0074	7647968	1365341	10-69	1	305	17,740	3.40	603	30	13,830	3.91	541	10-71		36	818	-.05	22	43
42-77-0074	7783641	1365341	2-70	1	305	22,340	3.59	803	16	16,220	3.85	624	3-72		36	1,100	-.03	31	56
42-79-0003	7035548	1450228	8-67	3	305	19,596	3.55	696	11	15,616	3.45	538	1-72		41	1,003	-.01	34	56
42-79-0003	7450083	1426616	8-69	1	305	23,590	2.95	696	14	15,150	3.69	559	11-71		33	1,170	-.09	25	53
42-81-0028	7866428	1397209	7-69	1	305	21,340	3.29	702	18	14,190	3.74	531	2-72		35	851	-.06	22	[illegible]
42-81-0059	7030805	1261857	3-67	4	297	17,400	3.84	669	14	14,625	3.60	527	1-72		44	728	.09	40	55
42-82-0026	7002238	1365341	12-67	2	305	17,365	3.77	655	32	13,815	3.61	499	8-71		40	354	.01	32	52
42-82-0038	6760199	1392400	4-65	4	305	19,740	3.45	682	11	15,770	3.51	554	5-71		35	791	-.04	22	42
42-82-0038	6825781	1458744	6-66	3	305	17,750	3.63	644	15	14,616	3.57	522	9-70		42	798	.00	29	46
42-82-0067	6622225	1365341	7-66	3	304	17,356	3.55	616	14	13,700	3.72	509	5-71		42	895	-.03	28	[illegible]
42-82-0068	7382612	1330987	3-69	1	305	21,180	3.08	652	12	14,590	3.39	568	9-71		36	810	-.04	23	43
42-82-0068	7382613	1427381	6-69	1	299	21,220	4.10	870	9	15,610	3.76	587	8-71		36	1,194	.08	55	[illegible]
42-82-0068	7579455	1458744	10-69	1	305	20,530	3.43	704	13	15,860	3.66	581	1-72		36	838	-.03	26	[illegible]
42-82-0068	7579457	1458744	10-69	1	305	21,770	3.54	771	11	15,240	3.65	557	12-71		35	972	-.01	33	57
42-82-0089	6381607	1417208	7-66	1	305	20,800	3.72	773	24	14,770	3.74	552	1-72		36	863	.01	33	53
42-82-0095	6484494	1406271	10-65	4	305	24,338	2.71	660	11	16,593	3.40	564	10-71		44	1,346	-.12	30	55
42-82-0095	6611025	1365341	6-66	4	288	21,322	3.36	717	12	16,217	3.45	560	9-71		44	1,124	-.04	35	63
42-83-0023	6282337	1265694	11-64	5	302	19,604	3.49	685	26	14,538	3.91	568	3-71		44	954	-.11	17	43
42-84-0004	6646216	1472217	10-66	3	305	23,163	2.94	681	10	17,283	3.30	571	2-71		33	1,003	-.11	19	40
42-84-0004	7575419	1534435	2-70	1	305	25,050	2.69	673	9	13,880	3.57	496	3-72		19	1,057	-.14	17	46
42-84-0023	5966557	1373041	11-63	4	303	19,280	3.08	594	9	13,285	3.51	466	1-71		35	855	-.07	20	42
42-84-0023	6354160	1446134	3-65	5	302	19,694	3.24	639	11	13,486	3.60	485	11-71		35	988	-.09	22	43
42-84-0035	7159630	1365341	8-68	2	287	16,820	3.77	634	27	14,620	3.58	523	12-71		40	725	.01	28	45
42-84-0035	7399526	1485232	6-69	1	305	22,540	3.45	789	24	14,020	3.58	502	1-72		25	1,087	-.04	33	[illegible]
42-84-0065	6940722	1468738	9-67	3	305	22,860	3.53	807	9	17,583	3.69	649	3-72		34	962	-.04	28	[illegible]
42-84-0070	5945096	1300012	7-63	5	305	21,580	3.06	661	12	14,628	3.55	519	4-71		43	1,126	-.14	19	[illegible]
42-84-0070	6902990	1365341	1-67	3	300	17,550	3.20	562	11	14,563	3.50	509	9-71		42	828	-.05	22	41
42-84-0070	7855165	1365341	2-70	1	305	18,670	3.56	665	8	13,700	3.64	499	3-72		36	896	-.02	30	52
42-84-0081	6214330	1440501	2-65	4	298	18,130	3.56	645	46	14,868	3.54	527	7-71		35	769	-.02	25	44
42-84-0081	7625020	1365341	1-70	1	305	20,360	3.34	680	39	14,200	3.54	502	1-72		36	988	-.04	30	57
42-84-0085	6668889	1452489	9-66	3	305	19,617	3.73	732	23	14,613	3.70	540	8-71		32	345	.00	31	51
42-84-0085	6923927	1458744	7-67	3	299	16,310	3.94	642	11	14,363	3.72	534	3-72		42	558	.02	27	42
42-84-0085	6928928	1458744	7-67	2	305	20,335	4.19	853	19	14,550	3.80	553	12-70		40	1,039	.06	45	64
42-84-0085	6979171	1458744	7-67	3	302	16,453	3.95	650	17	14,313	3.83	548	10-71		42	680	.02	27	43
42-84-0085	6979174	1458744	7-67	2	305	21,155	3.89	823	13	15,155	3.74	567	3-71		40	1,066	.02	42	57
42-84-0085	6995673	1458744	8-67	2	305	18,580	3.85	715	13	15,580	3.74	583	3-71		40	766	.01	29	47
42-84-0085	6998202	1458744	12-67	1	305	16,460	3.89	640	12	13,020	3.84	500	1-72		36	725	.01	27	44
42-84-0085	7205068	1458744	4-68	1	305	18,520	3.15	584	21	13,320	3.78	504	9-70		36	858	-.06	22	44
42-84-0085	7205071	1458744	7-68	2	305	17,750	3.31	587	19	13,455	3.83	515	10-71		40	876	-.06	23	45
42-84-0085	7313025	1458744	9-68	2	305	18,515	3.43	635	18	13,270	3.88	515	12-71		40	971	-.05	27	52

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C D	REPT (%)	.......C O W MILK (LB)	I N D E X....... FAT (%)	FAT (LB)	DOL-LARS
42-84-0085	7339926	1458744	8-68	2	305	17,185	4.17	716	19	13,455	3.83	515	10-71		40	819	.04	36	$ 54
42-84-0085	7339927	1458744	11-68	2	305	19,420	3.94	766	11	13,575	3.80	516	1-72		40	1,035	.02	41	65
42-84-0086	6828657	1458744	11-66	3	305	19,353	3.86	747	14	13,993	3.72	520	4-71		42	1,047	.02	41	65
42-84-0086	7141442	1458744	1-68	3	305	18,890	3.47	655	12	13,513	3.73	504	1-72		42	1,043	-.04	32	58
42-84-0086	7407710	1458744	1-69	2	305	17,295	3.53	610	12	13,575	3.76	510	12-71		40	819	-.03	25	45
42-84-0105	7231594	1417208	11-68	2	305	17,615	4.12	725	17	15,215	3.58	544	12-71		40	638	.07	34	47
42-84-0117	7532214	1427381	12-69	1	305	15,560	3.55	552	10	13,360	3.86	516	12-71		36	923	.02	37	58
42-84-0120	6790612	1347940	9-65	4	305	17,617	3.65	643	14	14,902	3.56	530	3-71		44	801	.01	30	49
42-84-0120	7372995	1386406	12-68	2	305	19,830	3.24	643	16	14,795	3.51	519	1-72		40	758	-.02	24	43
42-85-0090	6750962	1469429	11-66	3	305	19,813	3.39	672	18	14,206	3.61	513	10-71		34	823	-.05	22	43
42-85-0090	7044204	1488832	9-67	1	305	25,620	3.45	885	23	14,760	3.57	527	12-71		19	1,035	-.02	34	59
42-85-0273	5817096	1382192	11-62	5	305	24,632	3.20	789	34	17,966	3.46	622	9-71		35	1,151	-.09	28	58
42-85-0273	6879036	1386406	4-67	3	305	21,390	3.81	816	28	18,063	3.40	614	6-71		42	660	.07	35	49
42-85-0273	6937043	1347940	8-67	3	305	20,380	3.69	752	32	17,720	3.43	607	2-72		42	815	.04	35	53
42-85-0273	6937044	1347940	9-67	2	305	20,200	3.39	685	35	18,165	3.44	625	2-72		40	732	-.02	24	42
42-85-0273	6937046	1347940	9-67	2	305	20,870	3.30	689	26	17,845	3.49	622	10-71		40	829	-.03	25	46
42-85-0273	6937047	1347940	10-67	2	305	20,360	3.49	711	29	17,875	3.43	614	7-71		40	775	.00	28	46
42-85-0273	6944090	1347940	10-67	2	305	21,140	3.48	735	29	17,655	3.46	610	10-70		40	874	.00	31	52
42-85-0273	6944091	1347940	10-67	3	294	23,173	3.23	749	29	18,356	3.45	634	9-71		42	1,070	-.05	31	58
42-85-0273	6944093	1347940	11-67	2	305	21,030	3.22	677	28	18,655	3.39	633	4-71		40	772	-.03	23	42
42-85-0273	7015699	1347940	2-68	2	305	24,520	3.30	809	33	18,830	3.44	648	8-71		40	1,110	-.03	35	62
42-85-0273	7062376	1347940	2-68	2	305	22,465	3.16	709	24	18,725	3.49	653	12-71		40	911	-.06	24	47
42-85-0273	7281345	1320310	12-68	2	298	20,850	3.48	725	33	18,965	3.41	647	11-71		40	795	-.03	24	44
42-85-0273	7345703	1320310	5-69	1	305	22,060	3.45	762	33	19,100	3.38	646	6-71		36	849	-.04	25	46
42-85-0273	7443721	1417208	10-69	1	305	20,880	3.84	801	39	18,050	3.46	625	1-72		36	649	.04	30	44
42-85-0273	7443724	1365341	11-69	1	297	22,080	3.60	794	32	19,200	3.44	660	10-71	B	36	781	.00	28	47
42-85-0273	7480984	1427381	12-69	1	305	20,750	3.74	777	29	19,070	3.41	651	11-71		36	927	.07	44	64
42-85-0273	7605704	1417208	5-70	1	305	26,570	3.42	910	25	17,850	3.38	604	3-72		36	1,086	.01	40	66
42-86-0032	6877832	1464510	8-67	3	305	23,280	3.21	747	12	14,963	3.74	559	9-71		40	1,351	-.12	30	60
42-90-0014	6753649	1383004	10-66	2	212	20,920	3.22	673	13	13,905	3.60	501	12-70		40	667	.05	31	46
42-90-0014	7452612	1427381	9-69	1	305	18,270	3.67	671	31	13,640	3.75	512	11-71		36	1,107	.04	46	71
42-91-0098	6181317	1451334	9-64	5	305	24,132	3.53	852	25	18,154	3.51	638	12-71		36	1,304	-.03	43	75
42-91-0098	6181319	1451334	12-64	5	305	20,464	3.55	727	23	17,962	3.53	633	12-71		36	787	-.02	25	44
42-91-0098	6294770	1419437	11-64	6	305	21,855	3.80	831	23	17,655	3.51	620	12-71		36	673	.06	33	47
42-91-0098	6658068	1383004	11-66	3	305	23,640	3.93	929	29	18,783	3.51	659	11-70		42	570	.17	46	55
42-94-0003	6290833	1292776	1-65	6	301	23,222	3.67	852	12	16,843	3.57	602	12-71		44	772	-.02	25	44
42-94-0009	5790521	1333241	11-62	6	305	21,433	3.31	709	25	15,773	3.43	541	9-71		36	835	-.05	23	44
42-94-0025	6817631	1458744	7-66	3	305	16,163	3.92	633	25	14,030	3.58	502	1-71		42	676	.04	30	45
42-94-0025	7083155	1357743	11-67	2	305	20,685	3.49	721	17	13,925	3.55	495	6-71		40	789	-.04	23	43
42-94-0025	7399673	1427381	8-69	1	305	16,250	3.59	584	22	13,500	3.68	497	11-71		36	965	.03	40	62
42-96-0056	6995864	1482944	1-67	3	297	17,200	3.76	646	10	12,310	3.60	443	12-71		32	688	.02	28	44
42-96-0057	6322620	1417208	4-65	5	303	19,808	3.17	627	16	16,110	3.51	565	3-72		44	858	-.05	23	45
42-96-0057	6805036	1314767	10-66	3	305	21,726	3.68	800	16	15,866	3.66	581	2-72		42	821	.03	34	53
42-96-0063	6637482	1413108	8-66	3	305	18,087	3.63	656	12	14,643	3.49	511	7-71		34	776	.01	30	46
42-96-0063	6651987	1413108	11-66	3	305	21,000	3.45	724	11	14,193	3.64	517	10-71		34	1,214	-.04	38	69
42-96-0063	6888753	1413108	7-67	2	305	19,085	3.21	613	9	14,805	3.51	519	4-71		31	840	-.05	22	43
42-96-0063	6888754	1413108	8-67	2	305	21,820	3.14	686	10	14,735	3.45	508	7-71		31	1,168	-.07	32	62
42-96-0063	6942223	1413108	12-67	2	305	19,645	3.42	672	10	14,155	3.79	537	1-72		31	974	-.05	27	52
42-96-0110	7152762	1386406	1-68	2	305	17,060	4.14	707	9	13,875	3.54	491	5-71		40	561	.09	33	44
42-96-0137	6362540	1386406	8-65	4	304	20,395	3.45	703	8	14,762	3.60	531	4-71		44	930	-.01	32	54
42-96-0137	6457522	1330987	12-65	4	301	17,418	4.39	764	7	15,183	3.51	533	4-71		44	568	.16	44	53
42-96-0174	5772329	1179372	12-62	6	305	20,008	3.43	687	9	15,015	3.61	542	3-72		44	841	-.02	27	48
42-96-0180	6593796	1406271	7-66	3	305	21,777	3.10	674	12	14,547	3.55	517	5-71		42	1,204	-.05	36	66
42-96-0180	6820231	1450228	6-67	2	305	21,730	3.29	715	10	15,040	3.63	546	8-71		39	1,243	-.07	34	66
42-96-0180	6820520	1478014	5-67	2	305	17,430	4.01	699	13	13,605	3.74	509	6-71		40	538	.06	32	40
42-96-0355	7204706	1458744	1-67	2	305	16,830	3.48	585	6	13,165	3.47	457	4-71		40	809	-.01	28	47
42-98-0039	7421303	1427381	4-69	1	305	16,620	3.92	652	12	13,300	3.66	487	7-71		36	1,006	.06	46	68
42-98-0039	7589380	1427381	10-69	1	305	15,720	4.33	680	13	13,920	3.76	524	9-71		36	398	.08	45	64
42-99-0042	7531890	1504271	12-68	1	305	17,610	3.71	654	10	11,960	3.86	462	6-71		22	720	-.01	25	42
43-02-0007	6412810	1468149	11-65	3	305	17,267	4.09	706	25	12,683	3.89	494	3-71		29	629	.05	30	44
43-02-0007	6445083	1406271	9-65	5	305	16,662	3.69	615	32	12,208	3.83	468	8-71		44	964	.02	36	57
43-02-0007	6917915	1481880	6-67	3	303	17,053	3.93	670	40	12,180	3.90	475	1-72		33	690	.02	28	44
43-02-0023	6718133	1329588	10-66	2	281	19,230	3.57	687	17	13,825	3.62	501	9-71		40	750	-.02	24	42
43-02-0026	7325925	1386406	9-68	1	305	20,360	3.56	725	9	12,420	3.75	466	2-71		36	836	.01	31	51
43-04-0004	7142270	1406271	8-68	2	295	19,695	3.37	664	21	14,780	3.55	525	10-71		40	887	.01	33	54
43-04-0004	7389998	1427381	4-69	1	305	20,090	3.67	738	25	14,650	3.64	533	9-71		36	1,174	.04	49	76
43-04-0004	7539259	1427381	10-69	1	305	20,370	3.51	714	17	15,950	3.70	590	1-72		36	1,108	.03	44	71
43-04-0030	5949974	1413537	10-63	5	298	16,230	3.57	579	12	12,672	3.75	475	1-71		39	823	-.05	22	43
43-04-0038	7556804	1330987	4-69	1	305	19,420	3.63	705	7	14,510	3.71	538	11-71		36	684	.03	29	45
43-04-0040	6675312	1283917	9-65	4	305	22,175	2.97	659	21	15,740	3.36	529	6-71		44	1,015	-.14	15	43
43-04-0040	7084148	1452489	2-68	2	305	22,165	3.34	740	16	15,775	3.43	541	3-71		29	953	-.03	29	53
43-04-0040	7245169	1458744	5-68	2	305	18,635	3.82	712	26	15,705	3.50	550	11-71		40	760	.03	32	49
43-04-0060	6197445	1210507	8-63	2	305	19,580	3.31	649	11	13,300	3.51	467	10-71		39	1,060	-.11	22	51
43-05-0005	7694930	1493686	6-70	1	305	17,370	4.20	730	16	15,590	3.50	545	4-72		35	568	.09	34	45
43-06-0025	6673564	1466812	8-66	2	305	20,170	3.48	702	55	13,865	3.49	484	4-71		33	1,045	.00	37	62
43-06-0025	6877210	1355784	10-65	4	272	18,992	3.23	614	19	14,985	3.38	507	12-71		43	962	-.09	21	40
43-06-0046	6903815	1447044	6-67	2	305	15,745	3.56	561	15	11,605	3.58	415	9-70		31	844	-.01	29	49
43-07-0018	6655502	1406271	12-64	2	305	16,700	3.23	539	11	13,045	3.47	453	2-71		40	741	.00	27	45
43-09-0006	7037358	1383311	11-67	3	305	23,687	3.71	878	32	17,173	3.75	644	4-72		42	567	.06	31	52
43-12-0006	5221739	1210507	11-60	6	302	19,730	3.19	630	110	14,035	3.62	508	5-71		43	1.135	-.13	20	51
43-12-0006	5662907	1271810	10-62	6	302	21,037	3.62	761	127	13,900	3.65	507	11-71	B	44	1,197	-.03	38	67
43-12-0006	7183247	1489981	11-68	1	305	18,310	3.96	725	100	13,300	3.72	495	5-71		35	556	.11	37	47
43-12-0006	7232815	1489981	1-69	1	305	18,480	3.92	725	88	14,000	3.71	520	4-71		35	521	.11	35	44
43-12-0006	7415909	1489981	2-69	1	305	17,590	3.89	684	123	13,300	3.72	495	6-71		35	501	.11	34	43
43-12-0006	7415912	1489981	5-69	2	208	19,865	3.49	693	70	15,060	3.58	539	4-72	B	39	674	.06	34	43

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C D	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
43-12-0006	7415915	1489981	6-69	1	305	21,710	3.57	776	133	13,100	3.71	486	7-71		35	830	.07	41	$ 59
43-12-0006	7431706	1427381	9-69	1	287	22,030	3.00	662	133	14,470	3.66	529	11-71	B	36	1,331	-.03	44	76
43-12-0006	7730978	1489981	3-69	1	305	20,060	3.93	789	100	13,300	3.72	495	5-71		35	690	.11	42	55
43-12-0007	5211894	1301678	8-59	4	305	20,420	3.66	747	47	14,245	3.54	504	1-71		35	887	.01	34	55
43-12-0007	7074308	1365341	11-67	1	305	22,390	3.39	759	57	15,660	3.49	547	2-71		36	1,042	-.03	33	59
43-12-0007	7074309	1365341	2-68	2	305	20,975	3.78	793	58	15,630	3.51	549	5-71		40	1,054	.02	41	66
43-12-0007	7305994	1365341	10-68	2	305	19,945	3.56	711	44	14,585	3.60	525	11-71		40	1,045	-.02	35	60
43-12-0007	7351926	1365341	12-68	1	305	18,920	3.69	699	53	15,080	3.58	540	6-71		36	822	.00	29	49
43-12-0007	7397207	1365341	1-69	1	305	20,040	3.21	644	53	15,080	3.58	540	6-71		36	905	-.05	25	48
43-12-0007	7397208	1365341	1-69	1	305	17,950	3.40	611	53	15,080	3.58	540	6-71		36	750	-.03	23	42
43-12-0007	7448086	1365341	6-69	1	305	17,270	3.63	627	52	14,660	3.64	534	8-71		36	727	-.01	24	42
43-12-0007	7465510	1365341	7-69	1	305	17,850	3.66	654	54	14,880	3.60	536	12-71		36	756	-.01	26	44
43-12-0007	7520621	1365341	10-69	1	305	18,940	3.55	673	48	14,910	3.60	537	11-71		36	835	-.01	28	48
43-12-0015	6879274	1406271	10-66	3	301	16,243	3.77	612	14	13,533	3.74	506	5-71		42	673	.04	30	45
43-14-0007	7476538	1406271	8-69	1	305	15,730	3.94	619	35	12,560	3.43	431	12-71		36	631	.07	34	47
43-14-0048	6396685	1406271	7-65	3	301	18,030	3.56	642	30	13,093	3.63	475	5-71		42	924	.02	37	58
43-14-0052	7369444	1406271	7-69	1	305	19,150	3.41	653	5	14,050	3.73	524	3-72		36	786	.01	30	48
43-16-0030	6001810	1418738	10-63	5	305	19,408	3.25	631	11	13,796	3.54	488	3-72		38	809	-.05	21	42
43-16-0030	6752255	1406271	10-66	2	305	16,965	3.71	630	15	13,250	3.57	473	5-71		40	749	.05	35	51
43-16-0030	6782225	1406271	11-66	3	302	16,303	3.36	547	23	13,323	3.58	477	12-71		42	701	.00	26	43
43-16-0034	7158630	1466812	10-67	2	305	18,470	3.45	638	10	14,100	3.58	505	6-71		33	828	-.02	27	47
43-19-0018	5329034	1332860	10-60	7	304	22,412	3.48	779	15	17,124	3.56	610	11-70		36	929	-.02	30	53
43-19-0018	6239949	1237057	1-65	6	301	24,828	3.48	863	33	18,632	3.55	661	1-72		44	1,114	-.05	32	60
43-19-0018	6467244	1406271	1-66	4	303	23,133	3.49	807	31	18,573	3.54	658	12-71		44	977	.02	38	61
43-19-0018	6639826	1406271	8-66	4	305	20,068	3.62	727	30	18,233	3.56	649	1-72		44	636	.04	29	43
43-19-0018	6944173	1459996	11-67	3	305	27,937	3.45	965	33	17,717	3.53	626	1-72		42	1,014	-.03	32	57
43-19-0018	7258236	1427381	12-68	2	305	21,400	3.77	807	29	18,395	3.52	647	3-72		40	1,067	.07	49	73
43-19-0018	7389997	1427381	4-69	1	305	18,080	3.42	619	33	15,080	3.57	539	10-71		36	996	.03	40	63
43-19-0018	7429290	1427381	9-69	1	305	18,680	3.81	711	30	15,450	3.51	543	7-71		36	1,016	.06	46	69
43-19-0034	5811555	1387885	9-62	6	305	21,973	3.53	775	18	15,392	3.55	547	12-71		36	1,054	-.01	36	61
43-19-0034	7236488	1488907	1-69	2	305	19,695	3.42	674	5	14,365	3.54	509	12-71		30	866	-.03	27	48
43-19-0035	5919124	1418353	9-63	6	305	23,116	3.60	833	7	16,026	3.80	609	11-71		43	1,231	-.02	41	71
43-19-0035	6147800	1418353	5-64	6	304	21,696	3.97	862	10	16,721	3.82	638	11-71		43	958	.04	41	63
43-19-0035	6396813	1418353	11-65	3	305	21,780	3.84	836	6	17,126	3.75	642	8-71		41	860	.03	35	55
43-19-0035	6676654	1418353	11-66	2	305	20,405	4.47	913	7	16,310	3.92	639	11-70		38	735	.10	41	56
43-19-0035	6716133	1418353	4-66	4	296	19,912	4.13	823	9	16,635	3.86	642	9-71		42	715	.06	35	5[illegible]
43-19-0035	6926715	1418353	3-67	3	301	21,650	3.86	835	10	16,960	3.81	646	9-71		41	862	.02	34	54
43-19-0035	7011518	1418353	2-68	2	305	23,915	3.32	794	8	18,010	3.74	674	4-71		38	942	-.06	25	49
43-19-0035	7373774	1189870	3-68	2	305	25,045	3.55	889	22	17,480	3.89	680	12-71		40	1,011	-.03	32	57
43-19-0054	6910170	1490586	9-67	2	305	22,305	3.34	745	10	16,730	3.53	590	10-71		30	824	-.04	23	44
43-19-0054	7140716	1261857	2-68	2	304	22,605	3.50	792	12	16,850	3.50	589	10-71		40	1,014	.05	44	67
43-19-0064	5922959	1412106	7-63	4	305	26,287	3.52	924	14	18,730	3.47	650	12-70		35	1,140	.01	43	7[illegible]
43-19-0064	6082231	010272453	11-61	5	305	24,684	3.59	887	29	16,546	3.55	588	8-71		32	1,324	.01	49	8[illegible]
43-19-0064	6554116	1237057	1-66	4	305	21,225	3.00	636	20	15,608	3.55	554	3-71		44	972	-.13	15	42
43-19-0064	6603090	1450228	7-66	3	305	17,426	3.43	597	31	14,950	3.53	528	7-71		41	319	-.04	24	44
43-19-0064	6826952	1450228	1-67	3	305	17,670	3.49	616	36	14,856	3.56	529	9-71		41	857	-.03	26	47
43-19-0074	7168168	1427381	9-68	2	299	22,935	3.37	773	19	17,525	3.53	619	10-71		40	1,302	.01	48	79
43-19-0074	7463667	1427381	12-69	1	300	22,210	3.62	803	6	17,170	3.39	582	2-72		36	1,163	.06	51	77
43-19-0074	7512475	1427381	12-69	1	305	24,640	3.20	788	6	17,170	3.39	582	2-72		36	1,344	.01	50	62
43-19-0077	7475550	1427381	6-69	1	305	16,520	4.01	663	7	14,460	3.59	519	3-72		36	921	.08	45	65
43-19-0083	5949977	1413537	11-63	5	303	18,388	3.47	638	17	14,880	3.52	524	3-71		39	848	-.04	24	40
43-19-0096	6146842	1332860	9-64	2	305	18,485	3.60	666	14	13,665	3.37	460	2-71		31	678	.02	28	44
43-22-0001	6807663	1261857	8-66	3	305	21,257	3.52	749	29	17,810	3.66	651	2-71		42	827	.03	35	54
43-22-0001	7282131	1413165	6-68	2	305	23,495	3.46	814	17	18,375	3.55	652	4-71		40	891	-.09	18	42
43-22-0001	7363531	1383004	1-69	2	305	26,780	3.60	964	16	18,245	3.52	642	1-72		40	866	.10	47	65
43-22-0025	6011829	1413537	10-63	5	305	20,760	3.49	725	17	15,726	3.65	574	6-71		39	1,076	-.06	30	57
43-22-0025	6103272	1367353	2-64	5	305	21,476	3.47	746	30	15,582	3.65	569	5-71		44	840	-.01	29	49
43-22-0025	7060950	1466812	8-66	4	305	21,130	3.71	784	23	15,212	3.79	576	12-71		37	1,136	.00	41	65
43-22-0025	7094029	1493686	11-67	2	305	24,075	3.48	839	17	17,030	3.62	616	7-71		40	1,144	.01	43	7[illegible]
43-22-0026	6655049	1406271	2-66	4	305	16,608	3.64	605	11	14,353	3.58	514	8-71		44	640	.04	29	43
43-22-0026	6786661	1406271	11-66	3	235	18,700	3.49	652	16	15,220	3.55	540	3-71	8	42	780	.02	31	49
43-22-0026	7051447	1500533	10-67	3	304	20,533	3.42	702	16	14,793	3.57	528	10-71		32	891	-.01	30	52
43-22-0026	7210290	1406271	6-68	2	298	20,125	3.56	716	19	16,030	3.56	570	10-71		40	816	.04	35	53
43-22-0026	7210291	1406271	7-68	2	305	22,415	3.33	747	18	15,930	3.55	565	10-71		40	1,058	.00	38	63
43-22-0034	7114723	1261857	8-68	2	300	20,395	3.72	758	11	14,510	3.73	541	10-71		40	1,003	.06	45	67
43-22-0036	6631770	1406271	10-66	3	304	16,600	3.74	621	6	14,510	3.47	503	9-71		42	612	.07	32	45
43-23-0003	6888234	1406271	7-67	3	301	19,063	3.31	631	14	15,180	3.40	516	1-72		42	826	.01	32	51
43-23-0013	7413959	1500404	7-69	1	305	22,540	3.30	744	17	15,200	3.52	535	12-71		34	918	-.11	17	42
43-24-0027	6087749	1422609	8-63	4	305	18,573	3.63	674	13	13,780	3.64	502	4-71		30	720	.00	26	43
43-31-0027	7084034	1355784	2-68	2	294	19,505	3.42	667	12	14,190	3.54	502	9-71		40	1,022	-.08	24	51
43-33-0020	5116145	1306272	2-60	9	303	20,979	3.66	768	26	15,120	3.60	544	12-71		38	1,043	.01	39	64
43-33-0020	6992897	1493686	11-67	3	304	20,446	3.34	683	27	16,003	3.58	573	1-72		42	922	-.01	32	54
43-33-0022	6814390	1308091	10-66	3	305	21,363	3.72	794	26	16,103	3.74	602	11-71		42	751	-.02	24	42
43-33-0025	6107075	1271810	3-64	4	305	18,460	3.55	655	24	14,708	3.39	498	7-71		44	754	-.01	25	43
43-33-0027	7040887	1387978	1-68	2	305	22,630	3.00	680	23	15,720	3.54	556	8-71		40	1,119	-.09	26	55
43-33-0027	7040888	1387978	3-68	2	305	20,765	3.72	773	17	15,515	3.71	576	1-72		40	948	.00	34	57
43-33-0027	7111146	1468400	10-66	4	305	21,218	3.28	695	12	15,320	3.47	532	3-72		35	1,006	-.07	26	52
43-33-0034	7552669	1427381	12-69	1	305	19,110	3.45	659	27	17,160	3.55	610	2-72		36	933	.03	38	59
43-33-0034	7552670	1427381	1-70	1	305	21,620	3.77	814	21	17,490	3.54	620	3-72		36	1,098	.06	49	73
43-33-0041	6411302	1271810	6-65	5	305	21,622	3.39	734	20	15,812	3.66	579	2-72		44	1,050	-.08	26	53
43-34-0011	7241331	1406271	8-67	3	305	17,010	3.20	545	29	13,260	3.39	450	2-72		42	789	.00	28	47
43-35-0065	7491621	1406271	7-69	1	289	19,210	3.50	673	9	13,730	3.58	492	4-72		36	812	.03	34	52
43-35-0069	5189176	1210507	9-60	7	305	22,630	3.42	775	19	17,391	3.59	625	1-71		43	1,120	-.10	25	54
43-35-0069	5307551	1210507	12-60	7	305	21,931	3.84	843	16	17,509	3.57	625	8-71		43	1,013	-.02	34	59
43-35-0069	5307552	1210507	1-61	7	305	21,314	3.86	823	12	17,491	3.63	635	4-71		43	934	-.02	30	53

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C D	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
43-35-0069	6942890	1210507	8-67	3	305	24,313	3.49	848	22	18,470	3.57	659	9-71		41	1,136	-.08	28	$ 57
43-35-0069	7067893	1271810	2-68	2	305	22,745	3.78	859	25	18,685	3.61	675	8-71		40	759	-.01	26	44
43-35-0069	7251238	1447141	1-69	1	305	21,770	4.29	935	30	19,020	3.68	700	11-71		36	482	.13	36	44
43-35-0069	7441368	1392858	8-69	1	305	26,660	3.36	897	17	18,710	3.82	714	1-72		36	827	-.02	27	47
43-35-0109	5770895	1210507	11-62	6	305	20,468	3.23	662	49	15,205	3.49	530	5-71		43	1,093	-.12	21	50
43-35-0109	6589170	1347065	5-66	3	305	22,933	3.26	747	45	15,863	3.45	548	11-71		42	920	-.07	23	47
43-35-0126	7108574	1406271	4-68	1	270	20,640	3.81	787	10	18,800	3.32	624	11-71		36	578	.08	33	45
43-35-0136	5798934	1370173	7-62	5	305	17,900	3.49	625	9	12,688	3.69	468	2-71		44	765	-.02	25	44
43-35-0159	6896297	1458744	3-67	2	266	23,100	3.39	784	5	14,150	3.78	535	2-71		40	1,356	-.05	41	75
43-35-0159	6896299	1458744	7-67	3	294	17,100	3.55	607	5	14,313	3.64	521	7-71		42	754	-.01	25	43
43-36-0008	5856261	1179372	11-62	6	304	20,483	3.81	780	22	16,982	3.62	614	2-71		44	674	.04	31	46
43-36-0008	7569061	1427381	9-69	1	305	18,900	3.32	627	21	14,690	3.42	503	8-71		36	1,083	.03	43	68
43-46-0044	5872586	1413537	8-63	6	305	20,250	3.01	610	15	14,375	3.23	464	2-72		39	1,175	-.09	28	59
43-48-0061	7588626	1406271	1-70	1	305	18,640	3.04	566	7	14,350	3.10	445	12-71		36	728	.02	29	46
43-48-0084	6476101	1432120	10-65	2	297	18,095	3.50	634	7	12,100	3.64	440	3-72		28	739	-.02	24	42
43-49-0040	5736899	1210507	1-63	5	305	18,806	3.32	625	22	13,742	3.54	487	4-71		43	1,048	-.10	22	50
43-49-0040	6728704	1408488	10-66	3	305	18,426	3.82	703	24	13,963	3.53	493	2-71		33	685	.02	28	44
43-49-0040	7644285	1496636	10-68	1	305	19,020	3.27	622	42	14,080	3.46	487	7-71		35	734	.02	29	46
43-50-0052	7419247	1493686	1-69	1	302	20,920	3.36	702	14	15,560	3.77	587	8-71		35	838	.00	30	50
43-50-0052	7594155	1493686	11-68	1	305	18,680	3.78	706	6	15,420	3.70	571	4-71		35	678	.04	31	46
43-50-0057	7045083	1493686	5-68	2	296	16,610	3.17	527	16	12,830	3.58	459	8-71		40	768	-.02	25	44
43-50-0057	7525035	1426616	11-69	1	305	22,690	3.35	760	19	15,360	3.41	524	1-72		33	985	-.02	32	56
43-50-0065	5397316	1347153	5-61	4	305	19,053	3.49	665	27	13,273	3.51	466	3-71		30	862	-.01	30	51
43-50-0065	5880822	1283518	7-63	5	305	20,802	3.78	786	20	13,074	3.47	454	5-71		38	1,416	.03	56	89
43-50-0065	6236494	1347065	10-64	5	305	19,872	3.63	721	27	13,954	3.53	492	1-72		44	844	.00	30	50
43-50-0065	6509179	1439813	11-65	4	305	19,372	3.64	705	20	14,112	3.45	487	2-72		34	740	.04	32	49
43-50-0065	6896298	1458744	3-67	4	299	18,915	3.60	680	28	15,220	3.52	535	3-72		44	891	.01	33	54
43-50-0065	7049987	1492073	4-68	2	305	22,070	3.52	776	29	14,690	3.51	516	7-71		40	829	-.03	26	46
43-50-0065	7158483	1512545	5-68	2	305	20,100	3.65	733	33	14,840	3.51	521	9-71		25	671	.02	27	42
43-50-0065	7214985	1499045	7-68	2	305	21,865	3.35	732	31	14,505	3.50	508	10-71		25	933	-.03	29	52
43-50-0065	7572004	1427381	11-69	1	305	19,160	3.74	716	21	16,780	3.59	602	4-72		36	962	.05	43	64
43-50-0065	7615310	1427381	12-69	1	305	22,390	3.11	697	31	16,410	3.60	590	3-72		36	1,228	-.01	42	72
43-50-0081	6763758	1330987	9-66	3	305	18,440	3.66	674	18	15,093	3.55	536	7-71		42	682	.04	31	46
43-52-0006	6080825	1271810	6-64	5	305	20,106	3.16	636	63	15,182	3.58	543	10-71		44	928	-.10	18	43
43-52-0006	6717435	1458744	11-66	4	255	18,132	3.42	621	51	15,190	3.54	538	10-71		44	798	-.02	25	45
43-52-0006	6909013	1406271	9-67	2	204	19,310	3.32	641	76	16,250	3.60	585	3-71	8	40	713	.00	26	43
43-52-0006	6909034	1308101	11-67	3	297	18,963	3.28	622	73	16,536	3.53	584	2-72		42	862	-.06	22	44
43-52-0006	7019497	1486419	3-68	2	299	23,015	3.18	732	87	16,035	3.50	562	9-71		30	1,021	-.06	25	51
43-52-0006	7169290	1458744	8-68	2	305	24,975	3.38	844	85	16,525	3.49	577	1-72		40	1,329	-.03	43	76
43-52-0006	7302761	1458744	12-68	2	305	20,730	3.31	687	92	16,290	3.52	573	11-71		40	920	-.04	27	50
43-64-0026	7316435	1493686	12-68	1	292	18,150	3.69	670	15	14,320	3.47	497	9-71		35	713	.05	33	49
43-65-0017	5883261	1330987	7-63	6	304	18,353	4.14	759	29	15,492	3.63	563	3-71		44	662	.11	41	54
43-65-0017	6627734	1433914	3-66	3	305	19,803	3.58	708	25	15,333	3.54	543	3-71		33	735	.00	26	44
43-65-0017	6827642	1433914	3-67	3	305	18,803	3.53	664	31	14,026	3.55	498	8-71		33	759	-.01	26	44
43-65-0017	7423164	1426616	10-69	1	305	20,950	3.68	770	52	15,280	3.70	566	10-71		33	855	-.01	30	51
43-65-0042	7442082	1427381	8-69	1	305	19,330	3.62	699	33	16,100	3.53	568	1-72		36	1,021	.05	44	67
43-65-0049	6597186	1425634	10-65	4	303	18,527	3.71	687	18	13,082	3.80	497	11-70		37	685	.04	31	46
43-65-0054	7079101	1386406	9-67	3	305	19,633	3.50	688	6	14,993	3.55	533	11-71		42	776	.01	29	47
43-66-0002	6014660	1244845	1-64	4	305	22,395	3.18	712	24	15,295	3.65	558	7-71		44	1,086	-.10	23	52
43-66-0002	6014661	1244845	1-64	5	300	22,656	3.21	728	24	16,124	3.65	588	4-71		44	1,061	-.11	22	5
43-68-0002	6027934	1355784	10-63	7	300	22,635	3.51	794	33	17,085	3.69	631	11-71		44	1,208	-.09	30	61
43-68-0002	6027935	1271810	11-63	6	305	20,887	3.80	793	26	17,142	3.70	635	1-71		44	801	-.01	27	46
43-68-0005	6445354	1387097	10-64	5	305	20,236	3.09	625	9	14,342	3.60	516	8-71		36	931	-.11	17	42
43-70-0018	7215068	1535235	11-68	2	305	18,425	4.30	792	19	13,990	3.65	511	1-72		30	841	.10	45	62
43-71-0007	6620143	1406271	5-66	3	305	19,243	3.45	663	10	15,793	3.64	575	5-71		42	784	.00	29	48
43-71-0007	7174300	1406271	10-67	3	305	18,637	3.92	731	15	16,433	3.67	603	12-71		42	648	.07	34	48
43-71-0007	7434590	1406271	2-69	1	305	23,840	3.45	823	29	17,590	3.70	651	10-71		36	898	.01	34	55
43-72-0013	5962895	1406271	10-63	4	303	15,893	4.03	641	25	14,033	3.58	502	12-71		44	588	.09	35	47
43-72-0013	7232635	1365341	1-68	2	305	16,775	3.50	587	19	13,735	3.49	480	8-71		40	801	-.01	27	46
43-72-0013	7232635	1365341	2-68	2	305	19,735	3.63	717	14	13,270	3.64	483	5-71		40	1,144	-.01	40	67
43-72-0013	7568995	1365341	7-68	1	305	18,560	3.47	644	28	13,150	3.59	472	12-70		36	925	-.02	30	53
43-75-0003	6785715	1210507	1-67	2	305	21,715	3.13	679	15	14,610	3.55	518	1-71		39	1,159	-.13	21	52
43-75-0075	6513104	1330987	11-65	4	305	18,403	3.54	652	29	14,653	3.54	518	11-71		44	748	.03	31	48
43-75-0087	5679557	1199324	11-62	5	305	20,690	3.38	699	17	14,980	3.42	512	3-71		44	1,174	-.03	38	67
43-75-0156	7477865	1458744	9-69	1	304	20,510	3.45	707	5	14,990	3.67	550	9-71		36	894	-.03	28	50
43-89-0002	6634410	1210507	11-64	5	305	18,490	3.30	610	34	14,262	3.59	512	2-72		43	945	-.11	17	43
43-92-0002	6270234	1244845	11-64	5	305	25,334	3.22	815	23	16,862	3.42	577	2-72		44	1,321	-.08	35	69
43-92-0002	7320662	1535235	10-68	1	305	20,630	3.20	660	23	15,420	3.27	505	4-71		24	816	-.02	26	46
43-95-0002	6159973	1271810	5-64	4	305	19,878	3.31	657	19	15,208	3.58	545	2-71		44	873	-.08	19	42
43-95-0002	6517692	1406271	9-65	4	305	17,635	4.08	719	21	14,825	3.66	543	2-71		44	715	.09	40	54
43-95-0002	6517693	1406271	12-65	3	305	23,617	3.20	755	17	16,563	3.58	593	12-71		42	1,207	-.04	38	68
43-95-0002	6902042	1458744	10-67	3	300	22,260	4.25	946	22	16,796	3.54	594	3-72		42	1,091	.11	56	79
43-95-0002	6927828	1406271	4-66	4	305	19,385	3.57	693	24	16,305	3.61	588	12-71		44	766	.03	32	49
43-95-0002	8056705	1539804	11-69	1	305	26,060	3.63	945	19	18,340	3.52	646	2-72		19	771	.01	30	45
43-97-0064	6924026	1468480	8-67	2	305	19,685	3.11	613	20	13,515	3.26	441	9-71		29	912	-.06	24	47
43-97-0064	7162089	1355784	2-68	3	305	19,763	3.11	615	15	15,430	3.27	505	3-72		42	984	-.10	20	46
43-97-0070	5134530	1271810	6-60	6	305	18,550	3.47	644	6	14,552	3.55	516	4-71		44	800	-.05	22	42
43-98-0049	6913909	1484288	2-67	2	305	19,725	3.39	669	17	12,255	3.44	422	2-72		30	853	-.02	28	49
43-98-0050	7806631	1406271	5-69	1	305	19,840	3.09	614	8	14,720	3.32	488	5-71		36	792	.00	29	48
43-98-0069	5831429	1425996	4-63	2	300	18,625	3.88	723	7	14,455	3.85	557	2-72		28	690	.02	28	44
43-98-0071	6708674	1436314	10-66	4	305	21,742	3.44	748	5	15,247	3.55	542	3-72		37	1,197	-.05	36	66
45-02-0006	6291253	1329588	11-64	5	305	17,982	3.56	641	13	13,934	3.40	474	3-72		44	710	.00	26	43
45-02-0006	7571825	1427381	10-69	1	285	17,890	2.96	529	23	12,730	3.46	441	10-71		36	1,139	-.01	40	67
45-02-0036	5435257	1181068	11-61	6	305	18,700	3.94	737	9	14,650	3.72	545	1-72		44	612	.05	29	42
45-02-0036	6950107	1490775	3-67	3	305	20,320	3.61	734	9	14,937	3.68	550	2-72		29	775	-.01	27	46

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C D	.......C O W REPT (%)	I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
45-02-0050	7592274	1427381	11-69	1	305	16,690	3.70	618	6	14,830	3.61	535	1-72		36	909	.05	40	$ 60
45-03-0026	6931857	010279718	10-65	4	305	17,418	4.19	729	13	13,548	3.68	498	12-71		30	576	.10	35	46
45-06-0001	6789515	1438285	10-66	3	305	15,190	4.33	657	19	11,400	3.83	437	4-71		37	863	.05	39	58
45-09-0038	7745803	1426597	10-69	1	305	21,480	3.65	784	32	13,990	3.65	510	12-71		35	794	.00	29	48
45-09-C044	6842549	1315578	6-67	3	305	18,653	4.26	794	10	15,523	3.90	605	12-71		42	529	[illegible]	41	50
45-09-0044	7571812	1427381	12-69	1	284	20,550	3.92	806	8	16,190	3.82	619	1-72		36	1,105	.06	49	74
45-16-0004	6493117	1417208	11-65	4	302	17,260	3.43	592	18	14,233	3.43	488	7-71		44	736	.00	27	44
45-2C-C005	6816724	1261857	1-67	3	305	16,530	3.27	541	36	12,777	3.41	436	11-71		42	804	.03	34	52
45-20-0005	6816725	1261857	2-67	3	293	15,303	3.48	533	41	12,870	3.49	449	1-72		42	654	.05	31	45
45-20-0005	6938778	1261857	6-67	3	305	15,493	3.56	552	30	13,247	3.40	450	11-71		42	636	.07	33	46
45-20-0005	7169068	1261857	10-68	1	305	19,170	3.85	739	26	12,710	3.49	444	6-71		36	900	.09	46	65
45-20-0005	7589509	1447414	9-69	1	305	19,220	3.20	615	31	12,620	3.48	439	10-71		35	1,095	-.05	31	59
45-20-0005	7589510	1447414	10-69	1	305	17,510	3.31	580	34	13,280	3.47	461	11-71		35	921	-.05	26	49
45-20-0005	7589511	1447414	10-69	1	305	18,760	3.04	571	38	13,150	3.43	451	12-71		35	1,024	-.07	26	52
45-20-0005	7699115	1447414	10-69	1	305	15,620	3.41	533	34	13,280	3.47	461	11-71		35	778	-.03	23	42
45-20-0005	7745528	1447414	3-70	1	305	21,720	3.47	753	25	13,090	3.51	460	3-72		35	1,252	-.04	39	70
45-23-0005	7614824	1447414	11-69	1	305	18,750	3.56	667	19	15,490	3.91	606	11-71		35	864	-.05	23	45
45-30-0005	7525321	1347940	1-69	1	305	15,750	3.86	608	26	13,720	3.58	491	2-71		36	664	.02	27	42
45-30-0013	6739549	1453380	10-65	4	305	16,997	3.51	597	11	12,735	3.56	454	12-71		34	776	-.01	26	45
45-30-0013	7295582	1453380	10-68	1	305	17,430	3.84	670	7	12,330	3.45	425	8-71		24	650	.03	28	43
45-30-0040	6839726	1347940	2-67	2	305	18,305	3.64	666	13	15,010	3.58	537	2-71		40	828	.01	31	51
45-30-0040	7100823	1406271	4-68	2	305	18,535	3.73	692	18	15,285	3.66	560	11-71		40	723	.05	33	49
45-30-0040	7210758	1427381	12-68	1	305	16,760	3.99	669	17	13,610	3.95	537	6-71		36	996	.05	44	66
45-36-0027	7614353	1427381	10-69	1	298	16,150	4.01	647	37	13,370	3.66	489	10-71		36	967	.07	45	66
45-45-0022	7261268	1427381	1-69	1	305	19,150	3.37	646	18	14,740	3.39	499	12-70		36	1,098	.03	45	[illegible]
45-47-0001	5843331	1388468	6-63	6	304	17,625	3.84	677	25	14,585	3.77	550	6-71		35	594	.05	29	42
45-51-0002	6488670	1311429	11-65	4	305	20,898	3.14	656	15	15,465	3.67	568	4-71		44	1,062	-.14	16	45
46-01-0043	6695461	1406271	12-66	3	305	16,727	4.03	674	11	14,560	3.81	555	10-71		42	622	.06	32	45
46-01-0043	7089025	1406271	8-67	3	305	21,790	3.69	805	24	14,020	3.76	527	4-72		42	1,260	.03	50	79
46-01-0061	6766169	1419378	12-65	3	303	20,713	3.63	751	20	15,187	3.46	526	9-71		29	799	.03	33	51
46-01-0064	6025316	1283917	12-63	5	305	24,010	3.11	746	18	16,440	3.63	597	4-71		44	1,204	-.16	19	52
46-01-0064	7280508	1427381	10-68	2	304	18,600	3.73	693	19	16,280	3.42	556	12-71		40	976	.07	46	67
46-01-0064	7394915	1427381	4-69	1	305	19,900	3.42	681	8	16,160	3.64	589	5-71		36	1,059	.02	41	66
46-01-0064	7394916	1427381	5-69	1	305	20,710	3.46	716	8	16,160	3.64	589	5-71		36	1,119	.02	44	70
46-01-0064	7554794	1427381	12-69	1	305	18,440	3.06	564	19	16,140	3.33	537	10-71		36	952	.01	36	58
46-01-0064	7554795	1427381	1-70	1	305	19,910	3.34	664	17	16,890	3.34	564	12-71		36	1,011	.04	42	65
46-01-0073	6073243	1379495	2-64	2	305	19,480	3.26	636	5	13,540	3.60	487	12-71		29	881	-.07	21	44
46-05-0038	6133231	1432457	8-64	4	305	22,595	4.09	925	15	16,547	3.23	535	1-71		42	834	.14	51	67
46-05-0038	7040609	1467479	8-67	3	305	22,030	3.47	765	11	15,313	3.12	477	4-72		33	958	.05	42	63
46-05-0038	7098444	1467479	3-67	3	303	21,313	3.58	764	13	15,603	3.17	494	3-72		33	828	.06	39	57
46-05-0039	6069330	1277665	1-63	5	301	16,846	3.53	595	28	12,640	3.60	455	5-71		35	722	.00	26	43
46-06-0010	6789512	1438285	7-66	3	301	19,640	3.27	643	27	14,596	3.58	523	11-71		37	1,062	-.07	27	54
46-06-0010	7226473	1236789	11-68	2	305	20,855	3.34	696	18	15,800	3.35	530	2-72		40	860	-.01	29	[illegible]
46-12-0014	6194807	1222994	12-64	4	298	20,210	3.54	716	19	14,350	3.77	541	12-71		44	981	-.02	32	56
46-13-0100	6903372	1458744	10-67	3	305	15,453	4.06	627	5	12,636	3.61	456	4-72		42	739	.05	34	50
46-15-0005	6869385	1261857	4-67	3	297	20,237	3.41	691	28	15,423	3.33	513	6-71		42	957	.06	43	[illegible]
46-15-0005	6888962	1261857	5-67	3	302	18,440	3.56	656	26	15,937	3.30	526	5-71		42	697	.08	37	51
46-17-C003	6909009	1261857	7-67	3	283	16,833	3.84	646	12	13,733	3.74	513	1-72		42	740	.07	38	54
46-17-0003	6926504	1261857	6-67	3	298	17,370	3.76	653	11	13,140	3.75	493	1-72		42	863	.06	40	59
46-18-0114	6857139	1470493	6-67	2	305	16,615	3.64	605	12	11,470	3.77	432	4-71		30	768	.00	27	45
46-26-0009	6948405	1458744	10-67	2	272	17,210	4.08	703	23	15,475	3.81	590	8-71		40	637	.03	28	42
46-26-0009	7292535	1458744	12-68	1	305	20,330	3.36	684	48	15,750	3.59	565	4-71		36	830	-.03	25	45
46-26-C018	6492973	1330987	1-66	4	302	20,058	3.08	617	19	15,645	3.44	538	3-72		44	842	-.04	25	46
46-26-0021	7196461	1470492	12-67	2	298	19,955	3.81	761	11	14,255	3.74	533	11-71		30	765	.02	32	[illegible]
46-26-0037	6173612	1199324	8-64	6	305	17,762	3.65	649	5	14,187	3.64	516	12-71		44	889	-.01	31	52
46-26-0037	7187176	1427381	11-68	2	301	18,940	3.44	652	12	15,330	3.77	578	10-71		40	1,097	.00	[illegible]	56
46-26-C042	6170945	1329588	12-64	5	305	18,862	3.46	653	18	14,132	3.74	529	2-72		44	800	-.05	22	42
46-26-0042	7104621	1458744	3-68	2	289	17,900	4.02	720	19	14,075	3.75	528	12-71		40	835	.03	35	54
46-26-0051	6902865	1460146	4-67	3	305	20,323	3.77	767	9	15,546	3.53	549	10-71		33	575	.06	30	42
46-26-C084	6985495	1386406	9-67	3	301	17,590	3.92	690	6	13,880	3.52	489	10-71		42	656	.07	34	45
46-29-C103	7011836	1458744	9-67	2	305	23,765	2.82	671	6	16,525	3.66	605	4-71		40	1,266	-.13	23	55
46-30-C100	6443171	1462196	10-65	4	298	23,167	2.90	672	13	16,270	3.58	582	4-71		36	1,350	-.18	21	52
46-37-0002	6728147	1469612	12-66	3	305	20,450	3.31	677	14	15,666	3.44	539	3-71		34	837	-.03	26	47
46-37-0002	6903920	1469612	6-67	3	305	19,213	3.64	699	12	15,893	3.47	551	12-71		34	646	.02	27	[illegible]
46-37-0002	7026575	1469612	12-67	2	305	20,175	3.44	695	8	14,520	3.40	493	6-71		31	862	.00	31	52
46-37-0002	7026578	1469612	2-68	2	304	22,495	3.50	788	11	15,655	3.44	539	12-71		31	1,014	.00	37	61
46-41-0009	6812333	1301864	11-66	3	292	20,463	3.46	709	13	15,206	3.54	538	9-70	B	42	688	.01	26	42
46-55-0008	6939407	1461986	8-67	3	296	20,623	3.41	703	8	15,557	3.90	606	11-71		32	1,118	-.09	23	[illegible]
46-55-0008	7286475	1461986	9-68	2	304	22,295	3.97	885	9	15,820	3.84	607	12-71		29	1,126	.02	44	[illegible]
46-57-0015	6574178	1438285	6-66	3	305	18,716	3.41	639	22	14,993	3.60	539	6-71		37	900	-.05	25	[illegible]
46-57-C015	6739506	1438285	1-67	3	291	19,650	3.36	661	32	15,383	3.54	544	11-71	B	37	974	-.05	27	52
46-57-C015	6789508	1438285	2-67	3	235	18,523	3.60	667	28	14,820	3.48	515	4-72	B	37	896	-.01	31	53
46-57-0015	6904390	1483718	11-67	2	301	20,900	3.27	684	20	15,035	3.49	525	10-71	B	31	890	-.05	25	[illegible]
46-57-C015	7030884	1497092	4-68	2	269	22,850	3.42	782	38	15,135	3.52	533	12-71	B	25	986	-.02	32	56
46-57-0015	7066576	1483718	4-68	2	302	20,125	3.75	754	20	15,135	3.52	533	10-71	B	31	789	.02	32	[illegible]
46-57-0015	7256132	1516957	2-69	2	268	23,615	3.29	776	40	15,870	3.50	556	12-71	B	29	964	-.05	27	[illegible]
46-57-C103	7464871	1386406	1-70	1	297	17,520	4.33	759	15	12,190	4.02	490	3-72		36	539	.06	32	[illegible]
46-60-0001	6033943	1303076	2-64	4	305	20,920	3.98	833	15	15,668	3.89	610	4-71		39	593	.04	31	[illegible]
46-60-0001	6877617	1315612	9-67	2	305	22,665	3.94	892	14	16,470	3.84	632	5-71		40	612	.04	28	[illegible]
46-60-0006	6757779	1422258	10-66	3	305	22,433	3.75	842	6	15,946	3.96	631	2-71		38	817	.02	37	[illegible]
46-60-0007	7135809	1458744	8-67	3	305	20,346	3.69	750	10	17,466	3.80	564	1-72		42	801	-.02	26	40
46-60-0007	7175291	1458744	11-66	2	297	19,225	3.94	757	6	16,710	3.79	633	12-70		40	729	.02	29	[illegible]
46-60-0007	7200945	1458744	1-67	3	305	19,706	4.01	791	9	15,666	3.75	587	11-71		42	914	.04	39	[illegible]
46-60-0011	6831644	1330987	1-67	2	305	19,480	4.21	821	21	16,690	3.85	643	4-71		40	605	.09	35	47
46-60-0011	6831645	1330987	2-67	2	305	19,285	4.10	790	19	16,120	3.89	627	9-71		40	638	.07	34	[illegible]

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C D	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOL- LARS
46-60-0011	7533096	1548966	10-69	1	305	23,730	3.49	827	19	15,930	3.77	600	10-71		19	756	-.03	23	$ 42
46-60-0032	7254837	1497310	1-69	1	305	19,690	3.63	715	11	13,380	3.93	526	7-71		23	724	-.01	25	42
46-60-0046	7374672	1489981	2-69	2	305	21,485	3.91	841	6	14,435	3.95	570	3-72		39	900	.10	47	66
46-60-0049	7188687	1486231	1-68	2	305	19,755	3.86	762	8	15,685	3.70	581	11-71		28	631	.03	28	42
46-60-0049	7486780	1486231	10-68	2	305	19,545	3.60	703	15	14,765	3.70	547	2-72		28	707	.00	25	42
46-60-0049	7699928	1486231	1-69	1	305	21,210	3.69	782	12	15,310	3.68	564	5-71		22	676	.01	26	42
46-60-0050	7409708	1306661	12-68	2	305	17,745	3.67	651	10	12,435	3.76	467	3-72		38	680	.01	26	42
46-61-0002	6951105	1261857	9-67	3	271	17,490	3.52	616	23	15,113	3.55	537	3-72		42	673	.05	32	47
46-61-0002	7276196	1491130	7-68	2	305	18,945	3.60	682	8	14,380	3.64	523	11-71		29	739	-.02	24	42
46-61-0002	7276197	1491130	7-68	2	305	19,660	3.38	665	8	13,830	3.62	501	10-71		29	884	-.05	24	46
46-70-0013	7324899	1458744	10-68	1	305	20,210	3.20	647	42	15,850	3.57	566	10-70		36	814	-.04	23	44
46-70-0015	5312417	1280015	3-61	5	305	18,848	3.76	708	24	14,902	3.55	529	2-71		44	513	.10	33	43
46-70-0015	6789515	1438285	11-66	3	301	18,586	3.59	668	28	15,506	3.46	537	3-71		37	826	-.01	29	49
47-01-0020	6421343	1320310	11-65	2	305	15,645	3.77	590	8	13,065	3.77	493	2-71		40	806	-.03	24	44
47-01-0026	6360994	1415185	7-65	5	298	17,786	3.82	679	5	14,474	3.83	554	9-71		40	662	.04	30	45
47-02-0007	6949224	1459664	10-67	2	305	21,050	3.61	759	21	12,550	3.81	478	1-72		25	1,052	-.02	35	61
47-02-0007	7237039	1427381	10-68	2	305	15,625	4.28	668	18	12,730	4.10	522	10-71		40	998	.07	47	69
47-02-0007	7237040	1427381	10-68	2	305	16,805	3.97	667	17	13,475	3.87	522	3-72		40	1,050	.06	47	7.
47-02-0007	7237041	1427381	10-68	2	303	17,535	3.99	700	17	12,990	4.09	531	10-71		40	1,168	.04	49	76
47-02-0007	7532273	1427381	4-69	2	305	17,075	3.98	679	19	13,455	3.87	521	2-72		40	1,079	.06	48	72
47-02-0010	6925004	1450228	9-67	2	305	17,055	3.60	614	14	13,830	3.90	539	7-71		39	872	-.05	24	46
47-02-0010	6925005	1450228	10-67	2	305	20,545	4.10	843	13	13,925	3.86	537	5-71		39	1,224	.02	48	76
47-02-0010	6932006	1450228	10-67	2	305	16,255	4.24	689	10	14,005	3.84	538	4-71		39	773	.03	32	5.
47-02-0018	6077553	1333705	5-64	5	305	20,106	3.93	790	27	15,660	3.72	583	8-71		44	498	.10	33	42
47-02-0018	6944609	1462196	2-67	2	305	24,430	4.33	1057	53	14,635	4.00	585	9-71		32	1,512	.06	64	98
47-13-0003	6876134	1242338	4-67	3	305	17,997	3.72	670	17	12,690	3.50	444	9-71		42	490	.12	35	44
47-13-0003	7322962	1365341	12-68	1	305	17,820	3.36	598	14	13,570	3.44	467	12-70		36	841	-.02	27	43
47-13-0008	7147068	1496543	8-68	1	305	20,310	3.57	726	10	13,040	3.51	458	6-71		24	719	-.01	25	42
47-13-0022	6650782	1365058	9-66	2	304	23,255	3.44	801	15	14,570	3.38	492	7-71		40	1,064	-.05	31	53
47-13-0031	7556403	1387978	9-68	2	281	15,975	4.37	698	6	14,210	3.72	528	9-71		40	581	.07	31	43
47-20-0003	5707316	1343088	5-62	5	305	18,822	4.32	814	20	15,980	3.73	596	5-71		37	511	.12	37	46
47-20-0003	6273031	1416835	2-65	5	305	20,426	3.51	717	26	16,042	3.68	590	5-71		38	836	-.03	25	46
47-20-0003	6398783	1416835	10-65	3	305	21,453	3.49	749	33	15,726	3.71	584	1-71		35	946	-.04	23	52
47-20-0003	6874910	1386406	9-67	3	305	21,063	3.36	708	39	15,583	3.72	579	9-71		42	879	-.04	26	46
47-20-0003	7177683	1386406	9-68	2	305	20,270	3.58	726	38	15,825	3.68	583	10-71		40	709	.00	26	4.
47-20-0011	6243931	1383004	11-64	4	290	20,110	4.18	840	18	14,812	3.58	531	10-71		44	622	.19	51	5.
47-20-0054	7090793	1417208	2-68	2	305	19,080	3.89	742	7	14,950	3.55	530	3-71		40	811	.05	37	5.
47-20-0058	7411955	1365341	7-68	1	305	20,730	3.31	686	16	13,860	3.60	499	2-71		36	1,039	-.04	31	57
47-20-0068	6355317	1386406	2-65	3	305	17,770	3.52	626	8	13,390	3.53	472	4-71		42	727	.01	28	45
47-21-0036	7590006	1426597	3-70	1	305	21,130	3.88	819	35	15,120	3.65	552	2-72		35	690	.03	29	45
47-27-0033	7177770	1472703	4-68	2	300	20,270	3.33	675	23	14,460	3.57	516	1-72		38	946	-.05	27	5.
47-27-0033	7203029	1365341	11-68	2	298	17,340	3.41	592	11	14,770	3.50	517	3-72		40	764	-.02	24	43
47-28-0002	7297830	1216082	8-67	3	298	20,390	3.33	678	51	14,420	3.63	523	11-71		34	908	-.04	26	4.
47-28-0002	7331635	1496636	10-68	2	305	18,620	3.86	718	50	14,630	3.64	533	12-71		39	752	.07	38	54
47-28-0002	7562847	1539792	10-69	1	305	18,820	4.14	780	45	14,010	3.62	507	11-71		23	617	.08	34	4.
47-28-0002	7562860	1216082	8-69	1	305	21,140	3.66	773	49	14,250	3.64	519	11-71		26	735	.01	28	4.
47-28-0008	6427767	1347065	10-65	5	305	18,848	3.96	746	60	14,538	3.66	532	2-72		44	644	.03	28	42
47-28-0008	7142058	1415185	2-68	2	305	17,850	3.74	668	53	13,575	3.60	489	3-72		35	681	.06	33	44
47-28-0018	7130211	1480767	3-68	2	305	17,940	4.02	722	10	14,055	3.96	556	8-71		30	332	.01	31	51
47-28-0018	7130213	1480767	4-68	1	305	20,070	3.58	718	12	14,890	3.90	580	10-70		25	871	-.04	25	4.
47-28-0018	7242003	1480767	1-68	2	305	17,980	3.79	681	9	14,820	3.87	574	8-71		30	755	-.01	25	43
47-28-0018	7408055	1493686	3-69	2	305	19,835	3.41	677	16	16,125	3.78	609	2-72		40	794	-.01	27	46
47-28-0018	7609648	1480767	11-68	1	305	18,190	4.10	745	12	14,890	3.90	580	10-70		25	706	.01	27	4.
47-28-0018	7609651	1480767	10-69	1	305	18,200	3.84	699	7	13,890	3.85	535	11-71		25	786	-.01	27	46
47-28-0036	6432306	1271075	9-65	4	305	18,070	3.77	681	13	14,623	3.89	569	9-71		43	826	-.01	28	46
47-28-0058	7307073	1427381	3-69	1	305	20,610	3.48	718	30	14,420	3.64	525	5-71		36	1,229	.02	48	7.
47-28-0058	7308740	1427381	1-69	2	305	20,330	3.41	693	24	14,975	3.62	542	3-72		40	1,271	.01	47	7.
47-28-0058	7418944	1427381	9-69	1	305	19,000	4.03	765	40	16,120	3.47	559	10-71		36	995	.09	49	7
47-28-0075	7485575	1534146	8-69	1	305	21,310	3.23	689	11	13,640	3.70	505	11-71		23	857	-.07	20	42
47-28-0075	7820607	1534146	8-69	1	305	22,480	2.98	670	11	13,640	3.70	505	11-71		23	962	-.11	16	4.
47-28-0089	7155167	1386406	6-68	1	305	16,360	4.13	675	51	10,570	3.76	397	9-70		36	662	.05	32	45
47-28-0089	7155170	1386406	8-68	1	305	18,500	3.86	715	61	12,580	3.65	459	2-71		36	686	.03	30	4.
47-28-0089	7232477	1501310	9-68	1	305	19,630	3.57	700	51	12,910	3.63	468	3-71		23	767	.0.	28	4.
47-28-0089	7232478	1501310	9-68	1	305	17,150	4.05	695	54	12,310	3.63	447	2-71		23	511	.05	29	4.
47-34-0016	6641955	1261857	10-66	4	297	18,485	3.90	721	15	14,393	3.75	540	10-71		44	888	.08	44	63
47-34-0051	7032160	1486932	1-68	2	301	20,285	4.00	812	22	14,440	3.80	549	11-71		25	740	.05	34	5
47-47-0001	6756080	1458744	8-66	3	305	16,920	3.58	606	13	13,753	3.66	504	2-72		42	792	-.02	26	4.
47-48-0005	7203082	1498471	8-68	2	305	24,235	3.40	825	106	14,610	3.76	549	1-72		29	1,400	-.06	41	76
47-48-0005	7240418	1498471	10-68	1	305	18,910	4.13	781	84	14,340	3.74	536	12-71		23	664	.04	3.	45
47-48-0005	7240420	1498471	10-68	1	305	21,520	3.45	742	121	14,950	3.79	567	11-70		23	851	-.04	24	45
47-48-0005	7474958	1523669	10-69	1	305	22,500	3.04	683	86	14,370	3.75	539	12-71		22	1,040	-.11	21	4.
47-48-0005	7517097	1523669	10-69	1	305	20,010	3.49	699	86	14,370	3.75	539	12-71		22	814	-.04	23	44
47-48-0012	6027145	1380032	6-63	5	295	18,440	3.76	694	19	14,548	3.92	570	9-71		37	794	-.04	23	43
47-48-0033	6995948	1261857	10-67	2	305	19,440	4.17	810	12	14,295	3.78	540	9-71		40	926	.11	50	69
47-48-0033	7286616	1261857	1-69	1	305	16,720	4.32	722	15	13,750	3.82	525	9-71		36	647	.10	39	52
47-48-0034	6887694	1483723	8-67	2	305	16,620	4.04	672	39	13,670	3.69	505	1-71		34	513	.05	30	43
47-48-0039	5778795	1283917	10-62	7	299	19,771	3.54	699	8	14,695	3.70	544	3-72		44	860	-.08	19	42
47-48-0049	7042701	1415185	1-68	2	283	16,535	3.73	616	21	12,740	3.76	479	9-71		35	518	.04	28	42
47-48-0052	7127932	1441156	3-68	2	305	20,470	3.62	741	13	13,165	3.85	507	7-71		34	739	-.01	25	43
47-48-0052	7243929	1365341	10-68	2	283	17,560	3.74	657	24	14,370	3.88	557	11-71		40	523	-.02	27	4.
47-48-0052	7456661	1406271	11-69	1	305	19,430	3.76	730	25	15,410	3.84	592	12-71		36	715	.03	31	4.
47-49-0018	5588016	1228368	4-62	6	305	22,192	3.89	863	11	16,812	3.58	602	5-71		43	320	.09	44	51
47-49-0018	5856072	1300012	2-63	6	305	22,245	3.58	796	13	16,042	3.70	593	8-71		43	1,045	-.06	28	55
47-54-0024	6932907	1365341	11-67	2	305	22,585	3.56	804	25	15,180	3.68	559	8-71		40	1,259	-.02	42	73
47-54-0024	7060587	1383004	4-68	2	305	20,305	3.52	715	19	14,775	3.57	527	4-72		40	525	.09	33	43

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C D	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
47-55-0005	6705671	1333706	11-66	3	264	18,120	3.64	659	30	13,630	3.59	489	5-71		41	798	-.03	24	$ 44
47-55-0005	7309866	1365341	10-68	1	305	17,770	3.95	702	74	13,320	3.73	497	7-71		36	854	.01	32	52
47-55-0005	7390915	1365341	5-69	1	297	17,060	3.79	647	82	13,340	3.80	507	9-71		36	800	-.01	28	47
47-55-0005	7407771	1397209	3-69	1	305	19,000	3.81	724	87	13,440	3.82	513	9-71		36	727	-.01	24	42
47-55-0005	7407780	1365341	8-69	1	305	19,210	3.51	675	80	13,110	3.80	498	8-71		36	976	-.03	30	54
47-55-0005	7463901	1365341	10-69	1	305	17,280	3.85	665	54	14,160	3.83	543	2-72		36	761	.00	27	45
47-55-0005	7501563	1365341	10-69	1	305	20,980	3.49	732	27	14,500	3.85	558	4-72		36	1,014	-.04	31	56
47-55-0112	6838767	1365341	5-67	3	301	24,020	3.01	722	73	15,786	3.47	547	11-71		42	1,445	-.10	36	72
47-55-0112	6838768	1365341	6-67	2	305	20,475	3.60	737	89	15,695	3.50	549	11-71		40	998	.00	36	60
47-55-0112	6838769	1365341	6-67	2	305	19,405	3.22	624	91	15,870	3.50	555	11-71		40	873	-.05	24	46
47-55-0112	6955652	1365341	10-67	2	305	18,615	3.32	618	74	15,910	3.48	553	9-70		40	789	-.04	23	43
47-55-0112	7026761	1265694	1-68	2	305	24,090	3.11	749	61	16,100	3.51	565	11-71		40	1,146	-.13	21	52
47-55-0112	7102250	1365341	6-68	1	305	23,550	3.04	715	74	15,780	3.56	561	8-70		36	1,120	-.07	29	58
47-55-0112	7102251	1365341	6-68	2	292	20,990	3.42	717	89	15,695	3.50	549	11-71		40	1,050	-.03	34	60
47-55-0112	7102253	1365341	7-68	1	305	21,860	3.23	705	88	15,860	3.52	558	3-71		36	989	-.04	29	54
47-55-0112	7120825	1365341	8-68	1	305	19,190	3.51	673	80	14,890	3.49	520	9-71		36	855	-.01	29	50
47-55-0112	7265086	1495135	12-68	2	305	20,260	3.87	784	89	16,260	3.46	562	2-72		36	793	.10	44	60
47-55-0112	7369791	1399283	11-68	2	305	23,390	3.08	720	74	16,360	3.47	567	3-72		40	985	-.09	21	47
47-55-0120	6195617	1433866	9-64	5	305	17,748	3.84	681	18	13,022	3.87	504	10-71		32	728	.01	28	45
47-55-0132	6742941	1490410	9-66	3	305	22,490	3.49	786	30	15,413	3.61	556	10-71		31	942	-.02	31	54
47-56-0013	6321239	1222994	9-64	4	303	18,750	3.66	687	11	13,280	3.70	491	11-71		44	920	.01	34	56
47-60-0026	6503622	1447427	8-65	4	305	18,478	3.59	664	27	11,575	3.46	400	9-71		36	970	.01	36	59
47-60-0026	6689775	1359626	11-66	3	300	21,590	3.29	711	26	12,160	3.48	423	6-71		42	1,171	-.06	33	63
47-60-0026	6830618	1323059	3-67	2	305	21,745	3.10	675	27	12,545	3.49	438	8-71		40	1,112	-.11	23	53
47-60-0026	7042702	1415185	1-68	2	297	16,850	3.73	629	29	12,570	3.51	441	6-71		35	670	.06	33	47
47-60-0062	6668886	1452489	9-66	3	305	19,360	3.56	689	7	14,490	3.59	520	2-71		32	825	-.01	28	48
47-61-0011	6682107	1416074	8-66	4	305	19,938	3.89	776	39	15,425	3.84	593	3-72		37	856	-.01	30	51
47-61-0011	7082132	1365341	12-67	2	305	19,330	3.97	768	50	14,890	3.90	581	12-71		40	955	.01	36	58
47-61-0011	7141031	1365341	7-68	2	305	19,920	4.06	809	49	14,730	3.98	586	2-72		40	1,029	.02	40	64
47-61-0011	7177238	1458744	1-68	2	305	21,595	3.48	752	39	14,545	3.90	567	5-71		40	1,167	-.05	35	64
47-61-0011	7233322	1476853	1-69	1	305	19,720	4.13	814	43	15,100	3.97	600	2-71		26	633	.04	29	43
47-61-0011	7426101	1507141	11-68	2	305	19,560	4.16	814	43	14,855	4.05	602	2-72		29	723	.04	32	46
47-61-0011	7439598	1458744	8-69	1	305	15,940	4.69	747	75	13,490	4.05	547	10-71		36	655	.05	31	45
47-61-0011	7452734	1468098	10-68	2	305	20,685	3.91	808	49	14,455	4.01	580	1-72		32	789	.04	35	53
47-61-0050	6742942	1359626	9-66	3	305	23,923	3.37	807	39	16,837	3.65	614	1-71		42	955	-.06	25	49
47-61-0050	6746361	1464510	8-66	3	299	22,383	3.94	882	43	16,713	3.58	598	11-71		40	1,056	.03	42	66
47-61-0050	6781707	1433304	2-67	3	305	23,093	3.25	751	28	16,877	3.70	624	1-71		33	926	-.09	19	44
47-61-0052	7122926	1265694	11-66	3	305	22,497	3.59	808	20	16,283	3.77	614	3-72		42	1,049	-.08	25	52
47-67-0009	7536943	1365341	7-69	1	305	18,780	3.04	571	7	13,080	3.71	485	9-71		36	946	-.07	23	48
47-69-0005	7047235	1365058	10-67	2	305	24,770	2.83	700	23	14,830	3.70	549	3-71		40	1,195	-.17	16	49
47-69-0005	7263350	1365341	2-68	2	305	20,070	3.35	672	28	16,745	3.33	557	1-72		40	861	-.02	28	44
47-69-0017	7066547	1458744	10-67	2	266	22,960	3.57	819	12	18,980	3.56	676	1-71	B	40	900	-.01	31	53
47-70-0019	7322427	1365341	2-69	2	299	17,535	4.23	742	21	15,125	3.55	537	3-72		40	751	.07	37	53
47-70-0036	6578795	1365341	4-66	3	305	20,886	3.63	759	23	15,926	3.70	589	1-71		42	1,070	-.02	36	62
47-71-0010	7077425	1365341	3-68	2	294	21,935	3.38	741	18	14,980	3.76	563	6-71		40	1,211	-.06	35	65
47-71-0059	7296917	1475201	11-68	1	305	17,690	3.17	561	19	11,610	3.82	444	5-71		27	865	-.06	19	42
47-71-0061	7139213	1365341	8-68	1	305	19,010	4.18	795	14	14,070	3.84	540	7-71		36	896	.02	36	57
47-71-0061	7174273	1365341	7-68	1	305	17,990	3.52	634	11	14,350	3.89	558	6-71		36	802	-.04	23	43
47-74-0003	6959196	1413165	1-68	2	304	19,235	4.06	780	5	14,585	3.72	542	7-71		40	805	-.03	24	44
47-79-0030	5359775	1179372	1-61	8	283	18,394	3.44	632	8	14,199	3.61	513	1-71		44	727	-.01	24	42
47-80-0012	7065452	1467006	5-68	2	305	18,930	4.13	781	23	14,045	3.88	545	9-71		37	894	.04	38	59
47-80-0044	7047207	1512853	4-68	2	305	21,460	3.59	771	10	13,875	3.66	508	5-71		30	1,266	-.02	42	73
47-80-0044	7515992	1416669	8-69	1	305	23,500	3.75	882	14	14,480	3.65	528	8-71		34	719	.08	38	53
47-88-0010	6345813	1408354	7-65	4	305	18,223	3.92	714	9	14,453	3.75	542	5-71		37	568	.07	31	43
47-88-0010	7354713	1365341	11-68	1	305	18,770	3.92	735	31	16,180	3.83	619	8-71		36	737	[illegible]	27	44
47-88-0010	7365841	1365341	8-68	2	304	22,730	3.41	776	29	16,140	3.80	613	11-71		40	1,186	-.06	34	64
47-91-0002	6921136	1330987	2-67	3	305	17,920	3.79	680	7	14,700	3.76	552	6-71		42	563	.04	32	45
47-91-0002	6966045	1458744	9-67	2	305	18,205	3.79	690	5	14,685	3.72	546	7-71		40	810	.01	[illegible]	49
48-02-0001	6534720	1466179	4-66	4	305	20,295	3.35	680	15	14,712	3.45	507	10-71		38	1,343	-.04	42	73
48-02-0001	6622232	1466179	7-66	3	305	17,916	3.30	591	26	15,916	3.30	526	1-71		37	878	-.03	27	49
48-02-0001	6695098	1466179	7-66	4	295	23,417	3.16	739	29	16,495	3.30	544	2-72		38	1,553	-.07	45	84
48-02-0001	6695099	1466179	8-66	3	301	20,006	3.16	633	19	14,370	3.43	493	9-70		37	1,318	-.07	36	64
48-02-0001	6695102	1466179	9-66	3	300	20,343	3.36	683	19	15,980	3.43	548	10-71		37	1,177	-.04	36	61
48-02-0001	6695103	1466179	9-66	3	305	22,326	3.41	762	23	15,973	3.39	541	6-71		37	1,429	-.03	47	82
48-02-0001	6695104	1466179	1-67	3	298	20,363	3.33	679	23	16,063	3.41	547	12-71		37	1,170	-.04	35	65
48-02-0001	6753389	1466179	11-66	3	304	20,693	3.58	741	28	16,976	3.25	551	2-72		37	1,108	.02	43	69
48-02-0001	6955302	1466179	4-67	3	305	21,800	3.20	698	25	16,080	3.38	543	1-72		37	1,350	-.06	39	73
48-02-0001	6955303	1466179	8-67	2	305	19,885	3.29	655	30	16,975	3.26	554	4-71		34	984	-.03	31	55
48-02-0001	6955304	1466179	1-68	2	305	18,475	3.32	613	17	16,065	3.39	545	6-71		34	918	-.03	28	51
48-02-0001	7110355	1466179	7-68	1	305	23,440	3.09	725	28	17,510	3.23	565	4-71		29	1,192	-.06	34	64
48-02-0001	7282686	1466179	11-68	2	305	23,255	3.22	749	23	16,310	3.39	553	12-71		34	1,427	-.06	42	75
48-02-0001	7282687	1466179	1-69	1	305	19,030	3.32	632	28	17,510	3.23	565	4-71		29	826	-.02	27	47
48-02-0001	7282688	1466179	1-69	2	305	22,650	3.05	690	24	17,395	3.20	556	3-72		34	1,250	-.06	35	67
48-02-0001	7282689	1466179	2-69	1	305	19,020	3.63	691	28	17,510	3.23	565	4-71		29	825	.01	32	51
48-02-0001	7282690	1466179	2-69	1	305	19,020	3.61	686	20	16,210	3.49	566	9-71		29	923	-.01	31	53
48-02-0001	7282691	1466179	3-69	1	301	23,370	3.23	756	28	17,510	3.23	565	4-71		29	1,187	-.04	37	66
48-02-0001	7428360	1466179	3-69	1	305	20,910	3.39	709	20	16,190	3.49	565	10-71		29	1,061	-.04	33	58
48-02-0001	7428361	1466179	4-69	1	305	21,120	3.29	694	24	16,380	3.40	557	12-71		29	1,084	-.04	33	58
48-02-0001	7428362	1466179	8-69	1	305	18,900	3.42	647	28	17,030	3.29	561	1-72		29	851	-.02	28	49
48-02-0001	7491309	1466179	8-69	1	305	23,600	3.24	764	28	17,030	3.29	561	1-72		29	1,241	-.04	38	64
48-02-0001	7537828	1466179	8-69	1	305	20,470	3.31	678	20	16,190	3.49	565	10-71		29	1,044	-.04	31	57
48-02-0022	6753391	1466179	1-67	3	305	22,686	3.64	825	6	14,896	3.60	537	10-71		37	1,597	-.01	56	94
48-02-0022	7017290	1466179	9-67	3	302	21,716	4.13	896	7	17,016	3.56	605	1-72		37	1,233	.08	57	84
48-02-0067	7381832	1427381	8-69	1	305	16,520	3.54	584	22	12,400	3.52	437	3-72		36	1,059	.04	44	69
48-02-0067	7552531	1427381	1-70	1	305	19,830	3.59	712	38	12,220	3.58	437	12-71		36	1,318	.04	54	84

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C O	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
48-03-0087	7045754	1466179	2-68	2	301	18,040	2.96	534	36	13,095	3.32	435	7-71		34	1,168	-.08	30	$ 60
48-03-0106	6469463	1330987	8-65	4	300	17,400	3.60	627	25	14,118	3.37	476	3-71		44	684	.06	33	48
48-03-0118	6544638	1357743	12-65	4	303	21,458	3.24	695	26	14,263	3.37	480	8-71		44	989	-.06	26	51
48-03-0118	6738769	1357743	6-66	4	305	19,625	3.32	651	33	13,928	3.37	469	9-71		44	800	-.05	22	42
48-03-0118	6827729	1357743	10-66	4	305	21,905	3.25	713	25	13,125	3.45	453	2-72		44	1,170	-.07	32	62
48-05-0003	6994931	1458744	11-66	4	299	19,985	3.14	628	12	16,370	3.29	539	4-72		44	896	-.04	26	48
48-05-0003	6994937	1458744	8-67	3	305	20,720	3.00	621	14	16,806	3.30	554	3-72		42	913	-.06	23	47
48-05-0076	7491940	1427381	8-69	1	305	17,830	3.23	576	9	15,420	3.41	526	12-71		36	954	.02	38	60
48-05-0077	7484315	1479704	7-69	1	174	23,210	3.02	701	5	16,030	3.19	511	3-72	B	24	778	-.03	24	43
48-08-0003	4962059	1106455	10-59	6	300	20,653	4.56	941	36	15,680	3.78	592	1-71		44	576	.18	47	56
48-08-0003	5710966	1388721	10-62	6	305	22,808	4.00	913	41	15,627	3.76	588	3-71		44	700	.06	34	49
48-08-0003	6380470	1406271	7-65	4	305	20,770	3.86	801	55	15,493	3.77	584	7-71		44	1,028	.05	45	68
48-08-0003	6711567	1357743	12-66	3	305	25,593	3.67	938	45	16,097	3.81	613	10-71		42	1,216	-.03	39	69
48-08-0003	6887687	1483723	4-67	3	305	24,850	3.40	846	36	15,590	3.69	576	5-71		36	1,477	-.05	46	82
48-08-0003	6887689	1483723	5-67	3	305	18,696	4.01	749	44	15,986	3.75	599	11-71		36	647	.05	31	45
48-08-0003	6887693	1483723	8-67	2	305	27,250	3.53	961	43	16,070	3.77	606	1-71		34	1,576	-.03	52	90
48-08-0003	6887695	1282185	7-67	3	305	21,727	4.02	873	58	16,397	3.75	615	1-72		42	677	.04	31	46
48-08-0003	6944577	1483844	9-67	2	298	23,720	3.56	845	41	16,250	3.70	602	4-71		39	919	-.02	30	52
48-08-0003	7034529	1483723	12-67	3	305	18,576	4.19	779	47	16,693	3.74	625	2-72		36	551	.08	32	43
48-08-0003	7041396	1483723	2-68	2	305	21,400	3.29	705	30	15,720	3.65	574	6-71		34	950	-.05	27	51
48-08-0003	7238227	1365341	10-68	2	305	24,285	3.88	943	61	17,005	3.78	643	12-71		40	1,265	.02	48	78
48-08-0003	7245170	1458744	6-68	2	305	21,000	3.74	786	49	16,560	3.73	618	9-71		40	922	.00	33	55
48-08-0003	7246387	1483723	1-69	1	305	27,420	3.51	963	33	16,080	3.74	601	4-71		28	1,281	-.02	43	74
48-08-0003	7482887	1347940	11-69	1	305	22,340	3.70	827	63	17,590	3.75	659	12-71		36	896	.00	32	53
48-08-0003	7510721	1355784	1-70	1	305	22,670	3.52	799	40	18,260	3.65	667	3-72		35	876	-.08	19	42
48-08-0003	7705482	1427381	1-70	1	305	27,130	3.62	982	56	17,350	3.67	637	2-72		36	1,518	.03	60	95
48-08-0038	7218882	1496636	9-68	2	305	18,340	3.28	602	96	15,030	2.99	450	2-72		39	685	.06	33	48
48-08-0038	7220028	1496636	6-68	2	305	19,560	3.04	595	99	14,935	3.03	453	1-72		39	821	.02	32	51
48-09-0019	6865573	1261857	12-66	3	300	15,880	3.88	616	18	12,217	3.67	448	9-71		42	788	.08	41	57
48-09-0032	6868421	1333409	10-65	4	295	23,085	3.65	842	30	17,917	3.53	632	11-71		35	909	.03	38	59
48-09-0032	6868422	1333409	10-65	3	305	21,606	3.84	830	25	18,310	3.47	636	10-70		34	619	.08	34	47
48-10-0016	6761592	1261857	11-66	3	305	20,360	3.27	666	34	14,800	3.65	540	9-71		42	1,035	.00	37	62
48-10-0016	6761595	1261857	12-66	3	280	16,717	3.82	638	32	14,780	3.61	533	8-71		42	618	.08	35	47
48-13-0051	6751105	1474780	10-66	3	305	18,983	3.52	668	11	15,453	3.62	560	2-72		34	835	-.01	29	49
48-13-0051	6947330	1474780	9-67	2	305	19,750	3.53	697	21	14,330	3.61	518	9-71		31	1,008	.00	36	6
48-13-0051	6947334	1474780	11-67	3	305	18,850	3.44	648	12	15,226	3.57	544	3-72		34	844	-.02	28	49
48-13-0051	7094911	1474780	2-68	2	305	19,420	3.29	639	20	14,370	3.63	522	10-71		31	965	-.04	29	53
48-14-0020	6947332	1474780	9-67	2	290	21,630	3.59	776	14	15,960	3.74	597	10-71		31	1,056	-.01	37	62
48-14-0020	7153392	1473709	3-68	2	305	22,305	3.77	842	10	17,110	3.79	648	7-71		39	763	-.02	24	43
48-14-0020	7352010	1474780	4-69	1	305	19,560	4.18	818	12	17,250	3.92	677	8-71		26	627	.04	29	43
48-14-0020	7430325	1474780	8-69	1	305	21,000	3.93	825	17	17,770	3.75	667	12-71		26	712	.04	31	47
48-14-0045	7152545	1458744	8-67	2	305	20,805	3.97	825	10	13,590	3.85	523	2-71		40	1,174	.02	46	73
48-14-0045	7152547	1458744	10-67	2	305	19,405	3.47	674	9	14,080	3.88	547	10-71		40	987	-.04	29	54
48-14-0045	7152550	1458744	10-67	2	305	18,935	3.08	584	8	14,200	3.82	542	4-71		40	928	-.09	20	45
48-14-0045	7596771	1473442	5-68	2	305	18,845	3.69	696	16	13,970	3.96	553	10-71		39	875	-.06	22	45
48-14-0051	7478476	1521454	10-69	1	305	25,540	3.29	839	29	15,890	3.72	591	11-71		19	931	-.06	25	49
48-14-0107	7294505	1374286	10-68	2	302	22,225	3.10	689	13	16,580	3.50	581	3-72		36	1,064	-.12	2[illegible]	49
48-14-0117	6383319	1406271	9-65	4	290	21,243	3.12	663	25	17,605	3.35	589	6-71	8	44	851	-.02	28	49
48-14-0117	6558474	1467178	3-66	4	283	21,320	3.70	788	15	17,325	3.26	564	7-71	8	33	709	.1[illegible]	4[illegible]	54
48-14-0145	7313828	1496636	10-68	2	305	17,140	4.03	690	6	15,040	3.49	525	9-71		39	560	.1[illegible]	35	46
48-16-0036	6713174	1234506	11-66	3	305	23,813	2.96	704	20	15,246	3.57	545	9-71		42	1,208	-.16	19	52
48-19-0062	5938524	1416815	2-63	5	305	19,436	3.53	686	19	12,940	3.60	466	12-71		36	1,095	-.01	38	64
48-20-0063	7124761	1236789	9-68	2	304	17,140	4.40	755	19	13,610	3.59	489	9-71		40	682	.10	39	53
48-21-0027	6764991	1477266	4-66	3	302	17,360	3.51	609	5	11,140	3.48	388	2-72		32	895	.00	32	53
48-21-0079	7136963	1518092	9-68	1	305	21,550	3.30	712	28	15,940	3.32	530	3-71		26	753	-.02	24	42
48-22-0022	7143236	1496636	1-68	3	305	17,953	3.92	704	6	15,620	3.80	594	2-72		41	611	.06	31	4[illegible]
48-22-0022	7509626	1496636	9-69	1	305	24,030	4.09	983	14	16,430	4.06	667	12-71		35	956	.07	45	65
48-22-0022	7621383	1496636	8-68	2	305	18,630	3.86	720	11	15,060	4.02	605	1-72		39	713	.04	31	47
48-22-0022	7797460	1427381	4-69	1	305	18,610	4.51	839	13	16,720	4.04	675	12-71		36	925	.09	47	67
48-22-0022	7836615	1427381	6-69	1	305	19,180	4.31	826	14	16,270	3.95	643	7-71		36	998	.08	46	7[illegible]
48-22-0022	7999735	1427381	1-70	1	305	19,790	3.73	739	13	16,950	4.01	680	1-72		36	998	.02	39	62
48-22-0037	7173337	1479824	6-67	2	305	22,190	3.91	868	14	14,390	3.79	545	11-70		39	924	.08	45	65
48-22-0038	7017359	1222994	12-67	2	305	19,065	3.46	659	17	15,225	3.34	509	1-71		40	672	.01	26	42
48-22-0038	7017360	1222994	3-68	3	305	20,230	3.33	673	15	15,887	3.35	533	2-72		42	781	-.01	27	46
48-22-0064	7484168	1427381	10-69	1	305	18,560	3.71	688	14	15,590	3.65	569	2-72		36	997	.05	43	55
48-23-0001	5494466	1367353	12-61	6	305	21,031	3.82	804	9	15,936	3.65	582	7-71		44	741	.05	35	51
48-23-0001	5731169	1367353	10-62	5	305	20,762	3.87	803	10	17,206	3.47	597	2-71		44	557	.09	33	44
48-23-0001	6893562	1450228	11-67	2	305	23,080	3.35	774	23	17,115	3.66	627	12-71		39	1,169	-.07	32	62
48-23-0023	7200128	1453314	3-68	3	296	23,583	3.60	848	22	17,476	3.55	621	2-72		38	822	-.03	25	45
48-23-0023	7835080	1447414	3-70	1	305	24,340	3.56	867	19	18,020	3.53	636	3-72		35	1,114	-.03	36	63
48-23-0042	5814295	1233487	12-62	7	302	20,236	3.59	726	25	14,223	3.80	540	8-71		44	725	.00	26	43
48-23-0042	7048295	1473709	11-67	2	305	22,105	3.45	763	31	14,660	3.79	555	11-71		39	971	-.07	24	49
48-23-0042	7317329	1496636	12-68	1	305	18,040	4.15	749	46	15,430	3.82	590	12-70		35	566	.08	32	43
48-23-0042	7463583	1492486	7-69	1	305	19,940	3.55	708	39	13,600	3.80	517	8-71		34	984	-.1[illegible]	2[illegible]	46
48-23-0042	7549034	1426616	10-69	1	302	19,510	3.55	693	49	14,640	3.77	552	12-71		33	788	-.02	25	44
48-23-0046	6892933	1450228	11-66	3	305	20,933	3.84	803	10	17,453	3.94	688	5-71		41	965	-.02	31	55
48-23-0046	7290581	1367353	10-67	3	305	22,580	4.17	941	7	18,603	3.98	740	3-72		42	570	.07	31	43
48-24-0001	7154844	1496636	9-68	2	305	19,670	3.78	744	13	15,405	3.83	590	12-71		39	788	.04	35	53
48-24-0001	7154845	1234506	9-68	2	305	21,750	3.73	811	13	15,270	3.84	586	12-71		40	887	-.05	24	47
48-24-0002	6209791	1430094	8-64	6	304	19,595	3.37	660	13	14,065	3.67	516	7-71		35	942	-.06	25	49
48-25-0046	6811366	1447044	6-66	4	301	16,865	3.29	555	19	12,300	3.59	441	11-71	8	35	962	-.05	27	52
48-26-0004	6444992	1418162	9-65	4	305	24,565	3.35	824	28	19,190	3.51	674	5-71		35	791	-.03	24	4[illegible]
48-26-0004	6633596	1433340	4-66	4	302	23,097	3.53	815	29	18,847	3.53	665	6-71		36	760	.00	23	46
48-26-0004	6887375	1483720	5-67	3	296	21,870	3.49	763	56	18,313	3.55	650	11-71		34	955	-.04	29	53
48-26-0004	6887377	1483720	6-67	3	305	22,016	3.42	754	40	18,036	3.57	643	7-71		34	1,007	-.05	29	54

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C O	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOLLARS
48-26-0004	6927056	1483720	9-67	2	303	21,935	3.47	762	41	19,220	3.53	679	3-71		31	831	-.03	25	$ 46
48-26-0004	6927057	1483720	9-67	2	305	22,965	3.47	796	41	19,220	3.53	679	3-71		31	952	-.03	29	53
48-26-0004	6927059	1483720	12-67	2	299	22,530	3.43	772	39	18,625	3.51	654	8-71		31	964	-.04	29	53
48-26-0004	7085704	1496636	3-68	2	305	22,275	3.51	781	19	19,910	3.47	690	5-71		39	638	.05	30	44
48-26-0004	7166119	1483720	6-68	2	300	20,735	3.54	734	47	18,020	3.55	640	8-71		31	817	-.02	26	46
48-26-0004	7166120	1483720	6-68	2	300	22,590	3.39	765	43	18,055	3.49	630	12-71		31	1,031	-.05	30	56
48-26-0004	7166121	1483720	7-68	2	305	22,755	3.47	790	54	17,885	3.57	639	8-71		31	1,068	-.04	32	59
48-26-0004	7166122	1483720	7-68	2	300	21,155	3.57	756	57	17,845	3.59	640	8-71		31	885	-.03	28	50
48-26-0004	7166127	1496636	8-68	2	305	23,865	3.46	826	71	18,400	3.55	654	9-71		39	943	.03	38	60
48-26-0004	7190069	1483720	9-68	2	297	23,895	3.31	790	44	17,745	3.51	622	1-72		31	1,216	-.06	34	65
48-26-0004	7190070	1483720	10-68	2	305	23,015	3.33	766	43	17,855	3.51	627	1-72		31	1,101	-.06	31	59
48-26-0004	7323103	1483720	12-68	2	291	21,030	3.22	677	42	18,005	3.50	631	1-72		31	853	-.07	20	42
48-26-0004	7323104	1483720	12-68	2	305	22,740	3.38	768	59	17,770	3.57	634	10-71		31	1,078	-.06	30	57
48-26-0004	7323105	1483720	1-69	1	305	24,250	3.47	841	24	19,130	3.56	681	2-71		26	977	-.04	29	53
48-26-0004	7397030	1483720	11-68	1	305	25,060	3.52	882	57	18,390	3.66	673	11-70		26	1,105	-.04	33	61
48-26-0004	7397032	1483720	3-69	1	305	21,560	3.63	783	24	19,130	3.56	681	2-71		26	743	-.02	24	42
48-26-0004	7397034	1483720	4-69	1	305	22,760	3.57	813	24	19,130	3.56	681	2-71		26	847	-.02	27	48
48-26-0004	7397035	1483720	5-69	1	305	23,800	3.54	843	24	19,680	3.50	689	3-71		26	895	-.02	29	51
48-26-0004	7397036	1483720	5-69	1	305	21,980	3.60	791	23	19,550	3.48	681	5-71		26	747	-.01	25	43
48-26-0004	7472207	1483720	5-69	1	305	22,940	3.54	813	22	19,910	3.48	693	4-71		26	802	-.02	26	46
48-26-0004	7472209	1483720	7-69	1	305	22,150	3.20	708	55	17,740	3.49	620	9-71		26	903	-.07	22	45
48-26-0004	7521331	1483720	9-69	1	305	25,800	3.17	819	55	17,740	3.49	620	9-71		26	1,221	-.08	32	63
48-26-0004	7729775	1483720	3-70	1	305	24,560	3.01	740	45	17,890	3.39	606	12-71		26	1,101	-.09	26	55
48-26-0006	7087055	1496636	2-68	2	305	20,060	3.42	687	14	17,035	3.50	597	10-71		39	677	.02	28	43
48-26-0010	5672213	1181068	12-61	7	305	23,141	3.45	798	26	18,239	3.59	655	7-71		44	770	-.02	24	43
48-26-0010	6970558	1483713	8-67	2	305	23,300	3.50	816	17	18,645	3.59	669	4-71		31	974	-.02	32	56
48-26-0010	6986751	1483713	10-67	3	305	23,693	3.44	816	24	19,130	3.67	702	12-71		34	1,025	-.05	30	56
48-26-0010	7044922	1483494	11-67	2	305	24,610	3.49	858	14	19,355	3.53	684	6-71		34	757	.01	29	47
48-26-0010	7092717	1483713	2-68	2	305	21,910	3.51	768	26	18,550	3.67	680	12-71		31	822	-.02	26	46
48-26-0010	7293930	1483713	3-68	1	305	23,630	3.49	825	30	18,730	3.61	677	9-71		26	871	-.02	29	5[illegible]
46-26-0010	7293933	1483713	4-68	2	305	21,765	3.66	797	17	18,950	3.62	686	7-71		31	762	.00	28	46
48-26-0010	7293935	1483713	9-68	2	305	22,535	3.67	826	26	18,550	3.67	680	12-71		31	895	.00	32	53
48-26-0010	7293936	1483713	9-68	2	299	23,785	3.47	825	26	18,845	3.65	688	10-71		31	1,010	-.04	31	56
48-26-0010	7298961	1483713	10-68	1	305	22,460	3.76	845	26	17,940	3.72	667	1-72		26	831	.01	31	51
48-26-0010	7576834	1483713	11-69	1	305	23,560	3.64	858	33	18,700	3.64	681	11-71		26	867	.00	31	52
48-26-0033	6026038	1393854	8-63	6	305	19,683	3.52	692	21	15,992	3.63	580	1-72		44	578	.07	31	43
48-26-0033	7651238	1528959	10-68	1	305	20,670	3.60	745	20	15,760	3.64	573	7-71		23	719	.01	27	44
48-26-0033	7856224	1483713	7-69	1	305	18,680	3.82	713	40	15,210	3.75	571	11-71		26	716	.01	27	4[illegible]
48-34-0023	6533051	1468623	4-66	4	293	20,595	3.49	718	31	15,180	3.84	583	11-71		30	835	-.05	22	43
48-34-0023	7157438	1496636	8-68	2	305	20,135	3.72	750	36	16,760	3.70	620	12-71		39	710	.05	33	49
48-34-0063	7235408	1515456	12-68	2	301	22,275	3.48	776	13	17,025	3.62	616	3-72		29	764	-.02	24	43
48-44-0018	7167487	1496636	9-68	2	305	18,375	3.56	654	25	15,155	3.61	547	12-71		39	677	.04	30	45
48-44-0030	7011694	1476267	12-66	3	305	17,560	4.41	775	17	13,890	3.87	537	7-71		32	546	.13	39	4[illegible]
48-44-0102	5654862	1361064	8-62	6	304	18,505	3.45	639	57	13,138	3.67	482	3-71		36	797	-.04	23	4[illegible]
48-44-0102	6089756	1412106	5-64	5	305	18,440	3.37	622	42	13,008	3.57	464	9-71		36	785	-.02	25	44
48-44-0133	7141398	1506975	9-68	2	303	22,775	3.80	866	15	16,820	3.57	600	11-71		29	966	.05	43	65
48-44-0133	7156242	1506975	6-68	2	305	24,310	3.48	847	13	17,330	3.56	617	2-72		29	1,096	-.01	38	64
48-44-0133	7156243	1506975	6-68	2	301	19,885	3.97	790	14	17,555	3.56	625	12-71		29	536	.08	31	4[illegible]
48-44-0133	7156244	1506975	7-68	2	305	20,665	3.63	750	13	17,270	3.56	615	1-72		29	661	.02	27	4[illegible]
48-44-0149	7246395	1508569	3-68	2	295	18,700	3.28	613	32	14,370	3.51	505	3-72		31	865	-.03	26	4[illegible]
48-44-0149	7469877	1508569	8-69	1	304	18,910	3.51	664	28	14,740	3.68	543	10-71		26	750	-.01	25	43
48-44-0173	6772582	1462331	1-67	3	305	19,863	3.61	718	16	13,500	3.61	487	8-71		29	894	.00	33	5[illegible]
48-44-0173	6995640	1261857	10-67	2	305	17,455	3.39	591	18	13,420	3.74	502	5-71		40	804	.02	32	5[illegible]
48-45-0023	6305025	1249430	3-64	3	305	22,903	3.36	769	40	15,927	3.80	606	2-71		42	904	-.05	25	46
48-45-0029	6762384	1367353	10-66	3	305	21,853	3.77	824	18	15,106	3.73	563	1-72		42	352	.03	36	55
48-45-0081	7097415	1492486	7-68	2	288	21,330	3.12	665	9	14,430	3.50	505	8-71		38	1,191	-.14	21	53
48-46-0010	6100567	1404814	4-64	5	305	23,076	3.58	827	24	16,228	3.69	599	3-71		44	1,051	.01	39	5[illegible]
48-46-0010	6855828	1422723	6-67	2	305	22,000	3.50	770	28	16,370	3.69	604	10-71		32	1,002	-.03	32	57
48-46-0010	6855836	1493224	7-67	2	305	23,780	3.28	781	27	17,245	3.65	629	2-71		32	997	-.1[illegible]	2[illegible]	4[illegible]
48-50-0030	6566488	1331709	1-66	5	290	21,062	3.16	666	62	14,860	3.57	531	3-72		44	1,[illegible]23	-.10	21	4[illegible]
48-50-0030	6885750	1261857	8-67	3	305	16,497	3.52	580	65	14,270	3.62	517	12-71		42	646	.04	3[illegible]	[illegible]
48-50-0030	7027547	1261857	10-67	2	305	17,370	3.86	671	59	14,755	3.56	525	5-71		40	674	.09	38	[illegible]2
48-50-0030	7578872	1432733	2-70	1	305	22,460	3.41	765	42	14,060	3.50	492	3-72		35	927	-.02	31	5[illegible]
43-50-0030	7578885	1447414	11-69	1	305	16,050	3.62	581	44	14,320	3.47	497	3-72		35	740	-.02	24	4[illegible]
48-68-0022	5998029	1408354	12-63	4	305	18,975	3.49	662	23	13,830	3.68	509	9-71		37	747	.01	28	4[illegible]
48-68-0022	6340781	1407549	2-65	5	305	18,936	4.08	773	20	14,438	3.64	525	6-71		36	718	.09	39	5[illegible]
48-71-0015	6572928	1369264	11-65	4	304	19,050	3.63	691	9	13,097	3.66	480	11-71		36	905	-.02	29	5[illegible]
48-71-0015	7312944	1512132	10-68	2	305	18,485	3.60	666	10	12,080	3.46	418	3-72		30	646	.02	27	4[illegible]
48-71-0066	7090519	1512853	4-68	2	303	21,630	3.28	709	5	15,990	3.54	566	5-71		30	1,059	-.07	28	5[illegible]
48-71-0066	7090520	1512853	4-68	2	305	19,395	3.45	670	6	15,315	3.47	532	7-71		30	866	-.03	27	4[illegible]
48-72-0001	7255888	1383004	7-68	2	302	19,330	3.75	724	11	13,800	3.62	499	11-71		40	516	.12	36	4[illegible]
48-72-0001	7255890	1383004	8-68	2	305	22,845	3.41	779	8	13,935	3.57	497	1-72		40	860	.07	42	5[illegible]
48-72-0001	7264405	1383004	9-68	2	297	19,380	3.91	758	5	14,450	3.55	513	2-72		40	461	.14	38	45
48-72-0017	7618858	1406271	11-68	1	305	18,300	3.96	725	19	14,800	3.88	574	5-71		36	672	.05	32	47
48-72-0017	7618859	1406271	11-68	1	303	18,050	3.83	692	19	14,800	3.88	574	5-71		36	653	.04	29	44
48-72-0018	5858451	1144239	4-62	5	305	22,648	3.47	786	15	15,826	3.45	546	6-71		44	863	-.04	25	47
48-72-0018	7303482	1498215	5-68	1	305	22,130	3.56	787	12	15,860	3.41	541	10-70		24	665	.04	30	45
48-72-0063	7699360	1439097	11-69	1	283	19,860	3.06	608	28	12,870	3.40	437	10-71		35	835	-.05	23	44
48-75-0005	6425100	1244009	2-65	4	305	16,918	3.39	574	25	13,440	3.49	469	2-71		44	814	-.05	22	43
48-75-0009	6910147	1458744	2-67	3	304	17,900	4.28	767	9	12,500	3.65	456	2-72		42	1,034	.08	50	72
48-77-0034	6667044	1458744	12-66	3	303	18,673	3.40	635	39	16,203	3.33	539	2-72		42	740	.00	26	44
48-77-0034	6956750	1458744	12-67	3	303	22,933	3.10	710	40	16,893	3.22	544	2-72		42	1,158	-.05	34	63
48-79-0007	7488007	1513573	2-68	2	305	21,100	4.00	845	5	12,515	3.73	467	8-71		30	1,256	.07	57	85
48-79-0007	7488008	1513573	2-68	2	305	18,770	3.63	682	14	12,320	3.87	477	11-71		30	1,[illegible]03	.00	36	6[illegible]
48-79-0007	7496639	1513573	1-69	2	305	15,880	4.14	658	13	12,410	3.86	479	11-71		30	654	.06	33	47

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C D	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
48-79-0007	7502592	1513573	7-68	1	305	18,430	3.91	720	14	14,590	3.82	558	12-70		25	631	.03	28	$ 42
48-79-0007	7502594	1513573	9-68	2	283	16,480	3.53	581	14	12,215	3.86	471	12-71		30	745	-.01	25	43
48-79-0007	7502595	1513573	11-68	2	305	16,085	4.04	650	14	12,320	3.87	477	11-71		30	687	.05	33	48
48-79-0007	7880513	1513573	8-69	1	305	17,270	3.80	657	13	10,230	3.92	401	11-71		25	875	.02	35	55
48-79-0009	5441045	1278390	9-60	6	305	19,985	3.84	768	15	16,268	3.73	607	9-71		37	578	.07	31	43
48-79-0009	6472855	1314767	8-65	5	293	18,002	3.51	631	33	13,494	3.45	466	12-71		44	695	.03	29	45
48-79-0014	7274432	1392858	10-68	1	305	19,080	4.33	827	16	15,160	3.56	539	7-71		36	501	.10	33	42
48-79-0017	7023614	1406271	7-66	4	304	16,623	4.19	697	31	14,615	3.52	515	4-72		44	613	.12	40	51
48-79-0017	7451593	1487297	2-68	2	305	16,640	3.83	637	23	13,590	3.53	480	8-71		36	597	.05	29	42
48-79-0038	6291242	1435264	2-65	5	305	20,884	3.54	740	20	15,404	3.80	586	8-71		33	991	-.04	29	54
48-79-0038	6837124	1458744	5-67	2	305	17,475	4.22	737	29	15,325	3.80	583	8-70		40	677	.05	32	47
48-79-0038	7238597	1486146	1-68	2	305	21,425	3.35	717	28	15,100	3.85	582	9-71		30	953	-.07	23	48
48-79-0038	7761287	1450228	11-69	1	288	20,310	3.77	765	12	17,500	3.65	639	3-72		35	818	-.02	27	47
48-79-0052	6429009	1271075	8-65	2	290	17,245	3.64	628	16	12,945	3.79	491	11-71		40	841	-.01	29	49
48-79-0054	6873111	1406271	6-67	2	283	17,140	4.21	722	17	15,555	3.74	582	9-71		40	556	.09	34	45
48-80-0030	6314708	1330987	4-65	5	303	21,174	3.57	756	25	15,102	3.57	539	2-72		44	1,071	.03	43	68
48-80-0030	7523987	1524454	9-69	1	295	22,690	3.28	744	24	15,420	3.58	552	11-71		25	813	-.05	21	42
48-81-0006	6992918	1483861	9-67	2	305	18,850	4.03	760	13	13,835	3.64	503	1-71		29	555	.08	32	43
48-81-0035	6921634	1450228	9-67	3	305	19,283	3.77	727	11	14,936	4.06	607	8-71		41	1,038	-.05	30	56
48-81-0035	7283481	1450228	9-68	2	293	17,010	3.94	670	9	15,035	4.01	603	7-71		39	755	-.02	24	43
48-81-0035	7283483	1450228	1-69	2	296	18,805	3.74	704	7	16,630	3.70	615	11-71		39	792	-.02	26	45
48-81-0035	7283484	1450228	1-69	2	299	21,275	3.59	764	5	16,485	3.78	623	3-72		39	1,061	-.05	31	58
48-81-0061	7249289	1357743	10-68	2	305	26,430	3.46	915	25	16,495	3.68	607	11-71		40	1,137	-.05	33	62
48-81-0061	7536292	1392858	11-69	1	301	24,400	3.60	879	30	17,060	3.67	626	11-71		36	769	.02	31	49
48-81-0064	6688307	1458744	7-66	3	305	17,936	3.94	706	19	14,420	3.77	543	4-72		42	839	.02	34	53
48-81-0064	6688310	1458744	7-66	3	304	17,640	3.85	680	28	14,973	3.73	558	5-71		42	748	.01	29	46
48-81-0064	6876315	1458744	7-67	2	305	17,805	3.49	621	32	14,535	3.74	544	10-71		40	783	-.03	23	43
48-81-0064	6895570	1458744	1-67	3	305	20,623	3.67	757	24	15,090	3.83	578	1-72		42	1,079	-.02	36	62
48-81-0064	6895571	1458744	1-67	2	305	18,720	3.60	673	20	14,800	3.91	579	4-71		40	852	-.03	26	47
48-81-0064	6907134	1458744	8-66	3	305	19,226	3.54	681	29	14,370	3.72	535	8-71		42	993	-.02	32	56
48-82-0016	6122695	1406271	8-64	5	305	19,360	3.30	639	14	16,706	3.57	596	5-71		44	730	-.02	24	42
48-82-0016	6269133	1406271	3-65	5	305	18,632	3.42	637	17	15,772	3.62	571	12-71		44	744	.00	27	45
48-82-0016	6450885	1406271	1-66	4	301	19,430	3.37	654	13	16,718	3.50	585	6-71		44	726	.01	27	44
48-82-0016	6595944	1450228	8-66	3	305	19,396	3.49	676	19	15,950	3.56	568	6-71		41	944	-.03	29	52
48-82-0016	7085707	1496636	4-68	2	305	19,315	3.62	700	16	16,720	3.39	566	7-71		39	629	.07	33	40
48-82-0016	7140458	1450228	9-68	1	305	19,510	3.47	677	17	16,250	3.62	589	3-71		35	843	-.04	24	45
48-82-0016	7312382	1483048	5-69	1	305	18,000	4.40	792	17	15,320	3.37	516	6-71		27	504	.09	32	42
48-82-0016	7618988	1508569	9-68	2	305	22,500	3.53	795	16	16,510	3.57	589	3-72		31	1,084	-.01	38	54
48-82-0026	6580205	1458744	4-66	3	305	17,480	3.98	695	23	14,553	3.88	564	1-71		42	773	.01	30	[illegible]
48-82-0026	7044265	1458744	12-67	2	295	15,295	4.08	624	23	12,710	3.75	476	8-71		40	695	.03	30	46
48-82-0053	7069337	1491092	1-68	3	305	21,183	3.52	746	6	14,696	3.82	561	3-72		32	968	-.04	29	53
48-83-0042	6020457	1386730	10-63	6	305	19,571	3.65	714	22	14,090	3.74	527	3-72		42	910	-.02	30	52
48-86-0026	6630214	1451149	9-66	3	305	26,730	2.84	759	25	16,816	3.56	598	1-72		36	1,499	-.18	26	67
48-86-0026	6799284	1452394	8-66	3	292	20,023	3.72	744	24	16,413	3.48	571	10-71		33	662	.07	34	49
48-86-0026	7024940	1452394	8-67	2	305	18,865	4.34	818	17	17,000	3.52	598	11-71		30	411	.16	38	44
48-86-0026	7154859	1496636	9-68	1	305	23,760	3.48	827	29	16,140	3.56	574	10-71		35	955	.03	39	5[illegible]
48-88-0054	6972998	1261857	7-67	2	305	21,730	3.51	762	15	17,045	3.71	633	5-71		40	907	.03	37	56
48-88-0054	7342414	1387978	7-68	1	305	23,420	3.91	916	13	18,890	3.66	692	1-72		36	800	.02	32	5[illegible]
48-88-0075	7286242	1503709	4-67	2	305	22,870	3.33	761	9	15,155	3.64	551	4-71		25	986	-.06	27	52
48-88-0075	7608568	1458744	8-68	1	305	19,050	4.26	811	9	15,480	3.65	565	5-71		36	753	.05	35	52
48-88-0099	6830162	1325923	8-66	4	305	20,820	3.41	711	16	15,403	3.51	541	10-71		42	966	-.07	22	4[illegible]
48-89-0008	6312520	1417033	1-65	4	305	19,820	4.02	797	25	16,043	3.70	594	9-71		30	599	.07	32	44
48-89-0008	6917991	1463216	8-67	3	305	21,823	4.23	923	23	16,900	3.73	630	12-71		42	503	.11	38	49
48-89-0009	6672006	1369144	9-66	4	305	18,522	3.74	692	53	13,275	3.85	511	12-71		37	757	.00	27	4[illegible]
48-89-0009	6782017	1369144	11-66	4	305	18,955	3.59	681	40	13,635	3.85	525	2-72		37	772	-.03	24	43
48-89-0013	6471361	1244009	8-64	6	305	19,500	3.32	648	13	13,957	3.60	502	9-71		44	1,100	-.08	28	56
48-89-0013	6606578	1244009	1-64	5	304	17,758	3.59	638	12	14,308	3.62	518	3-72		44	835	-.03	25	40
48-89-0013	6970326	1244009	10-67	3	305	20,007	3.54	709	15	16,083	3.57	574	3-72		42	876	-.04	26	45
48-89-0013	734?029	1244009	11-68	2	305	21,465	3.30	709	16	16,420	3.56	584	12-71		40	952	-.07	23	46
48-89-0014	6573206	1320371	2-66	4	305	20,218	3.48	703	29	14,545	3.67	534	11-71		43	875	-.04	26	46
48-89-0014	6690563	1475201	10-66	3	305	19,887	3.47	691	28	14,707	3.63	534	6-71		35	1,008	-.05	29	54
48-89-0014	6781894	1465173	7-66	3	305	19,456	3.55	690	29	13,903	3.73	518	12-70		33	960	-.02	31	55
48-89-0014	7137023	1413165	8-67	3	305	21,743	3.55	771	21	14,026	3.79	531	12-71		42	1,203	-.10	28	59
48-89-0014	7641953	1427381	11-69	1	305	22,960	3.72	853	25	15,560	3.72	579	1-72		36	1,327	.05	55	85
48-89-0015	6864719	1438247	6-66	4	305	20,653	3.41	704	41	14,500	3.66	530	10-71		36	872	-.04	25	47
48-89-0023	7355377	1320310	4-69	1	294	19,090	3.73	713	24	15,130	3.64	550	10-71		36	894	-.03	28	[illegible]
48-89-0025	6789424	1458744	2-67	3	305	17,510	3.44	603	19	14,623	3.51	513	6-71		42	769	-.02	25	44
48-89-0032	6865127	1406271	7-67	3	301	16,790	3.73	626	24	14,497	3.59	521	11-71		42	636	.05	30	44
48-89-0032	7090197	1406271	4-68	2	305	17,585	3.71	653	13	14,920	3.57	532	6-71		40	660	.05	32	45
48-90-0021	7246398	1508569	4-68	2	305	19,980	3.68	735	10	14,900	3.70	552	1-72		31	959	.00	35	59
48-90-0021	7246401	1508569	1-69	1	305	17,200	3.84	661	11	14,030	3.63	509	6-71		26	657	.02	27	4[illegible]
48-90-0021	7607220	1508569	7-68	2	299	18,505	3.47	642	13	13,735	3.73	512	11-71		31	909	-.03	28	5[illegible]
48-90-0021	7607222	1508569	8-68	1	305	18,350	4.08	749	11	14,030	3.63	509	6-71		26	757	.05	35	52
48-90-0021	7607223	1508569	8-68	2	305	17,150	4.04	693	12	13,775	3.74	515	12-71		31	746	.05	34	5[illegible]
48-90-0021	7618990	1508569	3-69	1	305	17,020	3.92	668	11	14,030	3.63	509	6-71		26	641	.03	28	4[illegible]
48-90-0021	7618991	1508569	5-69	1	305	21,900	3.40	745	13	13,100	3.73	488	10-71		26	1,139	-.03	36	64
48-90-0035	7401460	1479824	9-68	2	304	19,785	3.55	702	8	14,115	3.43	484	3-72		39	700	.06	34	49
48-91-0004	6779967	1261857	9-66	4	293	17,415	3.41	593	46	14,943	3.65	545	11-71		44	694	.02	28	44
48-91-0004	7499674	1450228	12-69	1	305	20,170	3.12	629	47	16,830	3.49	587	2-72		35	853	-.06	21	43
48-91-0031	5825341	1271810	2-63	5	305	20,322	3.33	676	21	15,352	3.73	573	1-71		44	936	-.10	19	44
48-91-0031	6803715	1406271	3-67	3	296	18,680	3.55	664	24	14,860	3.76	558	12-71		42	815	.01	31	5[illegible]
48-91-0031	7004415	1458744	10-67	3	305	19,123	3.37	644	17	16,276	3.60	586	3-72		42	784	-.04	22	4[illegible]
48-91-0031	7004419	1410117	10-67	3	305	22,633	3.48	787	23	16,377	3.56	583	2-72		42	739	.01	23	45
48-91-0031	7053305	1496636	1-68	2	299	18,840	3.43	646	22	15,310	3.70	566	12-71		39	711	.01	27	44
48-91-0031	7053314	1458744	5-68	2	297	21,605	3.16	682	20	16,525	3.60	595	3-72		40	987	-.07	25	5[illegible]

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C O	REPT (%)	.......C O W MILK (LB)	I N D E X....... FAT (%)	FAT (LB)	DOL-LARS
48-91-0031	7244214	1496636	8-68	1	305	20,820	3.34	695	26	16,920	3.59	607	3-71		35	676	.02	27	$ 43
48-91-0031	7244221	1458744	1-69	1	305	21,450	3.25	698	22	16,820	3.64	612	3-71		36	842	-.05	23	44
48-91-0037	6587165	1259069	7-65	4	305	20,620	3.85	793	17	15,513	3.65	567	1-72		44	775	.01	30	48
48-91-0054	6949600	1261857	11-67	3	299	18,727	3.56	666	13	16,073	3.47	557	4-72		42	716	.06	35	50
48-91-0054	6949601	1261857	12-67	1	305	20,700	3.35	694	10	17,410	3.38	588	2-72		36	698	.05	33	48
48-91-0081	6280203	1244009	8-64	5	305	19,978	3.49	698	29	15,748	3.66	576	5-71		44	954	-.05	26	50
48-91-0081	6280204	1244009	1-65	5	303	20,662	3.47	716	37	15,394	3.74	575	9-71		44	1,083	-.07	28	56
48-91-0081	7532898	1397209	9-69	1	305	25,040	3.29	823	38	16,640	3.54	589	12-71		36	962	-.05	27	51
48-91-0081	7660035	1496636	10-68	1	305	18,850	3.67	692	16	14,810	3.50	519	6-71		35	671	.06	33	47
48-92-0050	7074914	1406271	2-68	2	297	16,645	3.38	562	13	13,285	3.51	466	3-71		40	714	.02	29	45
48-92-0064	6726591	1458744	9-66	3	305	21,603	3.76	813	12	16,710	3.72	622	11-71		42	1,024	.01	38	62
48-92-0069	5978766	1392858	10-63	5	305	22,806	3.73	851	13	15,308	3.55	544	5-71		44	1,156	.05	50	76
48-92-0069	7187322	1489916	10-68	2	305	20,840	3.42	713	18	14,325	3.58	513	2-72		30	853	-.03	26	47
48-92-0069	7513751	1525128	9-69	1	305	23,000	3.25	748	19	14,260	3.60	513	1-72		22	944	-.04	28	52
48-92-0081	7044812	1458744	12-67	2	305	17,430	3.37	588	19	13,730	3.71	510	8-71		40	819	-.04	23	44
48-93-0044	6169420	1283917	7-64	6	297	18,518	3.58	663	9	13,038	3.82	498	11-71		44	891	-.09	19	43
48-95-0010	7180845	1210507	9-68	2	305	22,565	3.16	714	13	17,115	3.58	613	3-72		39	1,013	-.14	15	43
48-95-0010	7355537	1210507	11-68	2	305	22,025	3.39	746	16	16,915	3.59	607	1-72		39	976	-.11	19	45
48-95-0010	7651533	1399824	10-69	1	305	26,830	3.36	902	17	15,770	3.63	572	11-71		36	1,180	-.01	41	69
48-95-0043	7217415	1514126	9-68	1	305	18,090	3.75	679	25	12,750	3.60	459	8-71		23	716	.03	31	47
48-95-0043	7217416	1514126	9-68	1	305	17,200	3.73	642	25	12,750	3.60	459	8-71		23	636	.03	28	42
48-95-0043	7217417	1514126	10-68	1	305	18,370	3.55	653	31	13,230	3.58	473	9-71		23	702	.02	28	44
48-95-0043	7323102	1483720	11-68	2	293	19,805	3.38	670	56	16,500	3.67	606	10-71		31	869	-.06	22	44
48-95-0043	7535679	1514126	9-69	1	305	20,120	3.38	681	30	13,720	3.59	493	11-71		23	821	.00	29	49
48-95-0062	6955845	1458744	11-67	1	305	18,150	3.40	618	12	13,860	3.58	496	7-71		36	794	-.02	25	45
48-95-0062	7093740	1458744	3-68	2	305	17,025	3.62	616	10	14,430	3.46	499	7-71		40	714	.01	27	44
48-95-0062	7136753	1458744	7-68	2	305	18,960	3.63	688	11	14,055	3.55	499	11-71		40	944	.00	34	56
48-96-0011	7378386	1427381	4-69	1	305	20,800	3.90	812	17	16,900	3.64	615	3-72		36	1,076	.07	49	73
48-96-0011	7378387	1427381	4-69	1	305	20,730	3.88	804	44	16,620	3.62	601	11-71		36	1,090	.07	50	74
48-96-0011	7440913	1427381	6-69	1	305	22,730	3.83	870	27	17,030	3.57	608	12-71		36	1,212	.07	54	81
48-97-0007	7154805	1330597	7-68	2	305	21,440	3.27	702	11	15,100	3.52	532	2-72		40	831	-.05	22	43
48-97-0007	7219434	1413165	8-68	2	305	21,425	3.39	726	8	15,255	3.53	539	12-71		40	966	-.10	19	45
48-97-0016	6500110	1324256	8-65	5	297	23,434	3.45	808	29	15,634	3.61	565	2-72		36	1,200	-.03	38	68
48-97-0016	6381625	1391173	7-67	2	305	24,445	3.57	873	23	16,400	3.66	601	3-72		40	987	-.03	31	55
48-97-0016	7276844	1439097	1-69	1	305	26,460	3.32	879	21	17,730	3.51	623	4-71		35	1,003	-.04	30	55
48-97-0016	7424661	1439097	5-69	1	305	21,890	3.48	761	22	16,760	3.49	585	8-71		35	724	-.01	24	42
48-97-0030	6213609	1437417	11-64	5	305	21,176	3.38	716	26	15,284	3.56	544	10-71		32	948	-.04	28	52
48-97-0030	6581328	1237057	9-65	3	305	20,493	3.58	734	16	16,497	3.53	582	3-72		42	753	-.03	23	42
48-97-0030	7021543	1478014	10-67	2	305	19,320	3.55	704	20	15,775	3.58	564	8-71		40	682	.02	28	44
48-97-0030	7062233	1458744	11-67	2	305	19,855	3.36	668	28	15,990	3.54	566	9-71		40	858	-.03	26	47
48-97-0030	7313699	1427381	10-68	1	305	18,950	3.76	712	20	15,960	3.61	576	4-71		36	1,002	.05	44	65
48-97-0030	7864209	1427381	11-69	1	305	21,230	3.21	681	12	16,170	3.58	579	4-72		36	1,157	.00	42	69
48-99-0027	6431797	1243697	9-65	5	302	23,082	3.50	807	41	16,786	3.49	586	1-72		44	736	.02	29	46
48-99-0027	7216152	1439097	11-68	2	302	23,405	3.59	840	34	18,770	3.48	653	2-72		40	816	.00	30	49
50-10-0001	6291977	1320310	12-64	5	305	18,350	3.26	599	15	14,936	3.72	556	4-71		44	967	-.10	20	40
50-10-0001	7540685	1441440	11-69	1	305	19,030	3.66	696	24	14,760	3.75	553	11-71		36	714	.02	29	45
50-10-0007	6491284	1320310	10-65	4	305	21,410	3.52	754	12	16,418	3.58	588	8-71		44	1,168	-.05	35	64
50-10-0007	6491285	1320310	10-65	5	300	20,916	3.23	676	11	16,246	3.69	599	2-72		44	1,146	-.11	25	55
50-10-0007	6746307	1300014	12-66	3	305	22,497	3.36	757	12	16,243	3.63	590	8-71		42	989	-.10	20	40
50-10-0007	6963822	1415405	10-67	2	305	21,590	3.71	800	10	16,165	3.64	588	11-71		4[illegible]	736	-.01	25	4[illegible]
50-10-0007	7313013	1415405	2-69	2	305	23,420	3.76	880	14	16,975	3.61	613	1-72		40	848	.00	30	5[illegible]
50-10-0013	6275394	1320310	2-65	5	304	18,692	3.55	664	18	13,326	4.06	541	7-71		44	1,198	-.08	30	61
50-10-0014	5914962	1189870	7-63	6	305	20,405	3.56	726	23	15,605	3.61	563	5-71		44	832	.00	30	5[illegible]
50-10-0014	6464068	1320310	9-65	5	304	18,402	3.48	641	37	15,702	3.57	560	11-71		44	884	-.05	25	47
50-10-0014	6464070	1320310	9-65	4	305	18,045	3.36	607	52	15,275	3.61	552	9-71		44	879	-.07	21	44
50-10-0014	6893560	1320310	9-67	2	305	20,325	3.30	671	21	16,560	3.46	576	4-71		4[illegible]	962	-.06	25	5[illegible]
50-10-0014	7154725	1441440	8-68	2	305	19,790	3.28	649	56	15,610	3.60	562	9-71		40	806	-.02	26	4[illegible]
50-10-0014	7154728	1337741	8-68	2	305	18,290	4.12	754	49	15,710	3.58	563	10-71		40	545	.08	31	42
50-10-0020	5395967	1199324	8-61	7	305	17,953	3.58	643	25	14,847	3.78	561	1-71		44	837	-.03	25	40
50-10-0074	6316762	1362327	8-64	5	305	20,078	3.71	744	46	14,688	3.86	567	12-70		39	878	-.02	28	5[illegible]
50-10-0074	6699685	1320310	9-66	3	305	19,417	3.71	720	35	15,623	3.81	595	1-71		42	969	-.04	30	55
50-10-0074	6699687	1320310	10-66	4	296	18,780	3.72	699	46	14,835	3.75	556	9-71		44	1,019	-.03	32	57
50-10-0074	6699691	1309574	11-66	4	300	20,483	3.53	723	35	16,268	3.76	611	1-72		44	749	.01	28	46
50-10-0074	6954083	1320310	9-67	3	295	19,707	3.49	688	34	16,400	3.69	605	12-71		42	942	-.06	25	49
50-10-0082	6468137	1320310	9-65	3	305	17,997	3.36	605	16	12,900	3.52	454	8-71		42	1,108	-.06	31	59
50-10-0082	7175067	1399824	3-68	2	305	16,930	3.15	533	16	12,275	3.58	440	8-71		40	776	-.03	23	4[illegible]
50-10-0084	7100955	1399824	9-67	3	305	19,830	3.37	668	27	16,200	3.51	569	1-72		42	752	-.01	26	44
50-10-0084	7100957	1399824	11-67	2	305	20,865	3.45	720	53	15,430	3.62	559	9-71		40	887	.00	32	53
50-10-0084	7124284	1399824	10-67	3	305	21,593	3.11	671	16	16,827	3.41	574	4-72		42	890	-.04	26	48
50-10-0084	7124285	1399824	8-68	2	305	22,380	2.82	632	36	16,120	3.57	575	11-71		40	978	-.09	21	47
50-10-0084	7127986	1399824	9-68	1	305	20,840	3.90	813	20	16,900	3.49	589	2-71		36	657	.06	33	47
50-10-0085	6735815	1441440	9-66	4	297	17,117	3.80	651	18	13,347	3.69	493	2-72		44	802	.04	35	53
50-10-0085	6735820	1320310	1-67	4	295	16,366	3.50	573	20	13,645	3.74	51[illegible]	11-71		44	653	-.06	22	44
50-10-0085	7283694	1320310	7-68	2	305	16,490	3.62	597	24	13,165	3.68	485	8-71		40	883	-.04	26	40
50-10-0085	7283695	1320310	9-68	2	300	15,330	3.93	602	24	13,165	3.68	485	3-71		40	765	-.01	26	44
50-10-0087	5219365	1189870	7-60	8	298	20,533	3.69	758	13	16,571	3.68	609	1-71		44	736	.02	29	46
50-10-0087	5951245	1189870	9-63	6	303	21,027	3.92	824	14	18,170	3.61	656	5-71		44	515	.07	32	43
50-10-0087	6743787	1399824	9-66	4	304	23,558	3.42	805	21	19,088	3.67	701	10-71		44	916	-.03	29	52
50-10-0087	6806281	1441440	11-66	4	298	22,740	3.30	750	16	19,512	3.64	711	1-72		44	811	-.04	23	43
50-10-0087	7152959	1427615	3-68	2	305	25,680	2.94	755	21	19,405	3.59	696	6-71		40	1,147	-.20	11	44
50-10-0087	7152963	1399824	9-68	2	305	24,970	3.34	835	17	20,230	3.48	705	2-72		40	865	-.01	30	51
50-10-0087	7152970	1441440	8-68	2	303	24,460	3.18	779	26	19,260	3.55	683	8-71		40	946	-.04	28	52
50-10-0087	7356638	1399824	12-68	1	305	26,310	3.77	991	19	19,480	3.54	690	6-71		36	892	.05	40	60
50-10-0095	5507868	1189870	3-62	6	304	21,215	3.77	799	13	14,135	3.70	523	10-71		44	1,167	.03	44	7[illegible]
50-10-0095	6246481	1237057	10-64	6	301	18,365	3.58	657	19	13,877	3.70	514	11-71		44	832	-.05	23	44

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

OWN'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C D	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
50-10-0095	6246482	1320310	10-64	5	301	20,038	3.54	709	16	13,446	3.76	505	7-71		44	1,357	-.06	40	$ 74
50-10-0095	6525195	010260599	4-66	4	304	19,715	3.36	663	18	13,660	3.73	509	11-71		44	934	-.10	19	44
50-10-0100	7031177	1347940	3-68	2	305	19,790	3.48	688	5	15,130	3.64	551	6-71		40	968	-.02	32	56
50-20-0005	6844134	1320310	7-67	3	305	17,443	3.51	612	7	13,860	3.65	506	3-72		42	945	-.05	26	50
50-20-0021	6548823	1450519	12-65	3	305	19,673	3.48	685	43	15,193	3.48	528	5-71		32	719	-.01	25	42
50-20-0021	6782295	1458847	11-66	3	303	20,763	3.38	702	46	15,937	3.46	551	1-71		31	896	-.02	29	51
50-20-0021	7006971	1399824	11-67	2	305	20,710	3.52	730	51	16,445	3.43	564	2-71		40	778	.03	32	50
50-20-0021	7026790	1402118	12-67	3	305	21,033	3.57	751	40	16,037	3.47	556	3-72		42	761	-.01	26	44
50-20-0021	7229186	1441440	10-68	2	296	18,670	3.54	660	51	14,740	3.55	523	10-71		40	772	.02	31	49
50-20-0023	7061863	1320310	2-68	2	305	18,120	3.77	684	55	15,595	3.67	572	8-71		40	826	-.02	27	47
50-20-0023	7168618	1320310	5-68	2	305	17,870	3.67	656	53	15,645	3.66	572	7-71		40	796	-.03	24	44
50-20-0023	7185829	1337741	7-68	2	305	20,260	3.80	770	56	15,590	3.66	570	8-71		40	757	.03	32	49
50-20-0023	7346349	1309574	7-69	1	305	22,380	3.44	769	39	15,900	3.69	586	5-71		36	725	.02	29	46
50-20-0023	7401899	1309574	7-69	1	305	22,080	3.51	774	19	17,160	3.60	617	12-71		36	618	.04	28	42
50-20-0023	7454127	1399824	8-69	1	305	24,680	3.34	824	24	16,670	3.61	601	11-71		36	959	-.01	33	56
50-20-0034	6632339	1320310	6-66	4	292	18,203	3.64	663	10	13,885	3.69	513	12-71		44	1,053	-.04	32	58
50-20-0034	6919199	1320310	6-67	3	302	17,353	3.75	651	17	13,783	3.71	512	9-71		42	942	-.03	30	53
50-20-0034	6919200	1320310	7-67	3	305	19,280	3.67	708	16	14,113	3.68	519	9-71		42	1,130	-.03	36	64
50-20-0034	7045645	1320310	12-67	2	305	19,645	3.74	735	10	15,540	3.68	572	11-71		40	986	-.02	32	56
50-20-0034	7045647	1320310	12-67	2	305	20,845	3.61	752	11	15,130	3.69	558	11-71		40	1,145	-.04	35	63
50-20-0034	7141287	1320310	6-68	2	305	19,615	3.65	716	17	14,480	3.72	538	9-71		40	1,080	-.04	33	60
50-20-0034	7141288	1320310	6-68	2	293	16,915	3.77	637	15	14,685	3.69	542	11-71		40	787	-.02	25	44
50-20-0034	7167739	1320310	7-68	2	305	20,165	3.62	729	14	14,545	3.76	547	12-71		40	1,130	-.04	34	62
50-20-0034	7167742	1320310	8-68	2	305	18,705	3.70	693	15	14,820	3.74	555	7-71		40	956	-.04	29	53
50-20-0034	7167743	1320310	8-68	2	305	17,715	3.73	661	18	14,465	3.77	545	8-71		40	888	-.03	27	49
50-20-0095	6331909	1320310	7-65	3	305	16,563	3.57	591	14	14,533	3.55	516	1-71		42	774	-.03	23	42
50-20-0095	7371403	1493686	2-69	1	305	19,040	3.65	695	15	15,020	3.36	504	7-71		35	733	.06	35	51
50-20-0123	7042434	1309574	12-67	3	296	16,873	4.65	785	6	14,750	3.93	580	11-71		42	458	.14	38	45
50-20-0134	5799184	1382829	11-62	3	305	23,437	3.20	750	15	17,213	3.62	623	1-71		32	1,210	-.11	27	59
50-20-0134	6845184	1309574	6-67	3	305	21,323	3.70	788	19	17,010	3.64	619	4-72		42	736	.05	34	50
50-20-0134	7138693	1392774	1-68	2	305	22,450	3.50	785	17	16,160	3.57	577	6-71		40	680	.01	26	42
50-20-0134	7212562	1427381	10-68	2	304	19,800	3.87	766	27	17,610	3.70	651	1-72		40	976	.06	45	66
50-20-0134	7279036	1300014	3-69	2	301	25,220	3.59	905	14	17,955	3.66	658	3-72		40	1,031	-.07	27	53
50-20-0137	6234603	1320310	1-65	3	292	15,740	3.54	557	6	13,160	3.59	473	7-71		42	821	-.04	23	44
50-20-0138	6591745	1142734	8-66	4	299	23,848	3.38	805	11	15,175	3.55	539	1-72		44	927	.00	33	55
50-30-0003	6931037	1441440	7-67	3	305	15,523	4.06	630	22	10,593	3.94	417	11-71		42	880	.05	40	59
50-30-0009	6557341	1282704	5-66	4	301	20,538	3.60	740	26	14,383	3.71	533	10-71		43	882	-.05	24	46
50-30-0032	6534778	1320310	4-66	3	304	20,127	3.58	721	32	14,543	3.60	523	9-71		42	1,183	-.04	37	56
50-30-0032	6751209	1399824	12-66	3	305	18,923	3.75	710	21	15,277	3.56	544	3-71		42	743	.05	34	5[illegible]
50-30-0050	6610640	1320310	3-66	4	305	17,353	3.74	649	26	14,845	3.86	573	11-71		44	842	-.04	24	45
50-30-0058	7822958	1399824	5-69	1	305	17,800	4.04	720	26	13,720	3.67	504	10-71		36	644	.06	32	46
50-30-0064	6814750	1399824	11-66	4	305	19,138	4.19	802	31	15,213	3.92	597	12-71		44	801	.07	40	57
50-30-0064	6897875	1389602	9-67	2	305	20,670	3.83	791	36	15,500	3.86	599	1-72		30	892	.00	32	53
50-30-0064	6897877	1389602	9-67	2	305	19,460	3.94	766	53	15,435	3.89	601	9-71		30	757	.01	29	47
50-30-0064	7107665	1309574	3-68	2	305	18,935	4.72	894	40	16,200	3.90	632	7-71		40	513	.16	42	5[illegible]
50-30-0064	7530954	1441440	8-69	1	305	18,090	4.71	852	7	16,020	3.88	622	4-72		36	559	.11	36	46
50-30-0064	7767791	1399824	1-69	1	305	20,530	3.79	778	43	15,900	3.91	622	11-71		36	701	.02	28	44
50-30-0124	6998582	1376810	2-68	2	305	23,325	4.08	952	22	17,025	3.69	629	1-72		40	865	.04	37	57
50-30-0124	7119140	1383247	9-67	1	305	23,870	3.89	928	19	17,320	3.71	643	11-70		36	760	-.02	24	43
50-30-0124	7295714	1458744	12-68	1	305	21,830	3.55	775	22	14,830	3.70	548	7-71		36	1,004	-.02	33	57
51-01-0011	6846905	1379208	2-67	3	305	20,803	3.54	736	20	15,493	3.97	615	11-71		42	969	-.04	27	5[illegible]
51-01-0011	7135993	1347940	7-67	2	305	19,135	3.46	663	11	16,060	3.86	620	2-71		40	816	-.04	23	44
51-01-0011	7348786	1347940	12-68	1	305	20,650	3.90	805	9	18,390	3.75	689	3-71		35	716	.02	29	45
51-01-0011	7476764	1406271	3-69	1	305	19,790	3.98	787	19	16,060	3.91	628	7-71		36	699	.05	33	46
51-01-9018	6490503	1445278	10-65	4	305	21,795	3.56	775	23	16,575	3.49	578	1-72		43	1,067	-.05	30	57
51-01-9018	6771716	1379208	1-67	3	305	21,047	3.34	702	20	16,730	3.53	591	2-71		42	817	-.03	25	45
51-01-9018	7026135	1347940	5-67	2	305	23,490	3.44	808	25	17,560	3.44	604	9-71		40	1,121	-.01	39	66
51-01-9018	7050304	1347940	1-68	3	303	19,413	3.25	630	25	16,943	3.40	576	11-71		42	784	-.03	24	43
51-01-9018	7231339	1347940	12-68	1	305	19,230	3.17	610	11	15,340	3.53	542	5-71		36	615	-.04	24	44
51-01-9018	7501248	1320310	11-69	1	305	20,830	3.04	634	42	16,080	3.40	546	11-71		36	942	-.08	23	46
51-01-9018	7501250	1320310	12-69	1	305	21,980	2.92	641	40	16,240	3.35	544	10-71		36	1,035	-.09	23	50
51-01-9026	6716082	1261857	12-66	4	295	18,533	3.56	659	53	16,803	3.64	612	1-72		44	626	.04	29	43
51-01-9026	6716083	1347940	9-66	3	305	19,726	3.52	694	48	16,506	3.64	600	1-71		42	865	-.01	29	5[illegible]
51-01-9026	6749426	1347940	11-66	2	305	21,595	3.69	797	48	15,365	3.75	576	9-71		40	1,129	.00	40	67
51-01-9026	6820620	1347940	2-67	3	304	20,990	3.54	743	28	16,086	3.69	593	5-71		42	1,054	-.02	35	61
51-01-9026	6820621	1347940	2-67	3	304	18,076	3.59	649	32	15,710	3.70	581	7-71		42	753	-.02	25	43
51-01-9026	6820623	1347940	3-67	3	305	19,976	3.20	640	26	16,550	3.61	597	4-71		42	890	-.06	23	46
51-01-9026	6909199	1347940	7-67	2	305	19,010	3.57	679	39	15,200	3.66	556	8-70		40	882	-.01	30	51
51-01-9026	6909209	1070036	10-67	3	305	18,770	3.87	727	60	15,643	3.71	581	11-71		42	590	.07	32	44
51-01-9026	6909210	1070036	10-67	2	305	21,520	3.34	718	58	16,760	3.67	615	1-71		40	731	.00	27	44
51-01-9026	6962673	1320306	12-67	3	305	23,827	3.60	857	49	16,433	3.67	603	3-72		40	1,103	.01	41	67
51-01-9026	6962674	1355784	1-68	3	304	21,030	3.29	691	42	17,116	3.66	627	3-72		42	955	-.11	17	43
51-01-9026	7183314	1070036	7-68	1	305	18,470	4.46	824	72	14,940	3.79	566	10-71		36	505	.11	35	44
51-01-9026	7183328	1399824	8-68	2	305	20,145	3.34	673	44	14,530	3.81	553	8-71		40	896	-.03	27	49
51-01-9026	7342216	1399824	12-68	2	305	21,420	3.54	759	62	15,480	3.77	584	12-71		40	939	-.01	33	56
51-01-9026	7483822	1399824	7-69	1	305	20,500	3.40	698	56	14,610	3.85	563	8-71		36	786	-.02	26	4[illegible]
51-02-0007	6484184	1462318	1-66	4	305	21,403	3.32	711	27	15,300	3.55	543	2-72		33	952	-.05	26	5[illegible]
51-02-0007	7197326	1347940	10-68	1	305	21,230	3.32	705	16	14,330	3.59	515	3-71		36	1,032	-.03	33	58
51-02-0007	7479715	1427381	1-69	1	305	16,440	4.24	697	44	14,130	3.67	519	9-71		36	937	.09	47	67
51-02-0041	6485780	1320310	9-65	4	305	15,273	3.50	534	31	12,218	3.76	459	2-71		44	877	-.06	22	45
51-02-0041	6523154	1451790	1-66	4	305	15,468	4.45	689	29	12,518	3.73	467	1-72		35	490	.14	39	47
51-02-0041	7260523	1406271	2-69	1	305	16,610	3.93	653	39	12,310	3.78	465	6-71		36	713	.05	34	49
51-02-0099	6338025	1441440	7-65	4	305	18,437	3.53	651	31	14,797	3.66	542	8-71		44	903	.01	30	49
51-02-0099	6707873	1379208	10-66	3	305	18,570	3.54	657	31	14,820	3.60	533	8-71		42	719	.00	26	43
51-02-0144	6631309	1458744	8-66	4	297	18,617	3.57	665	21	14,640	3.72	544	12-71		44	919	-.02	30	52

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C D	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
51-02-0144	6868083	1458744	1-67	3	305	17,540	3.71	651	25	14,100	3.75	529	11-71		42	827	-.01	29	$ 49
51-02-0151	6455385	1451790	11-65	5	303	19,204	3.71	712	17	15,228	3.68	560	2-72		36	696	.04	31	47
51-02-0151	6928829	1347940	12-67	2	305	16,705	3.58	598	14	12,535	3.70	464	7-71		40	892	-.01	30	52
51-02-0151	7495830	1427381	7-69	1	295	17,860	4.02	718	11	15,550	3.72	579	11-71		36	948	.07	45	66
51-02-9026	5777213	1217478	11-62	5	303	18,812	4.42	832	43	15,554	3.75	583	7-71		44	528	.16	43	51
51-02-9026	6325676	1330987	1-65	5	299	17,818	4.23	754	44	15,350	3.78	580	8-71		44	609	.11	38	50
51-02-9026	6864608	1347940	7-67	3	305	18,436	3.87	714	57	15,323	3.85	590	11-71		42	839	.01	32	52
51-02-9135	6194724	1294703	11-64	5	305	17,872	3.69	659	69	14,506	3.81	553	8-71		44	793	-.04	23	43
51-02-9135	6668251	1458744	8-66	3	305	17,760	3.68	653	77	15,126	3.79	574	4-71		42	746	-.01	25	43
51-02-9135	7198412	1427381	10-68	2	305	17,295	4.04	699	96	14,650	3.90	571	10-71		40	992	.06	45	67
51-02-9135	7209912	1427381	10-68	2	305	17,730	3.90	692	87	14,935	3.89	581	12-71		40	1,010	.05	44	67
51-02-9135	7255034	1458744	1-69	1	305	17,590	3.80	669	73	14,380	3.91	562	6-71		36	718	-.01	25	42
51-03-0002	6219938	1320310	8-64	5	302	16,824	3.79	637	25	14,278	4.03	575	9-71		44	846	-.05	23	44
51-03-0002	6533308	1320310	8-65	5	300	16,528	3.66	605	33	13,858	4.03	558	9-71		44	857	-.07	20	42
51-03-0016	6911372	1347940	5-67	3	305	18,803	3.18	597	18	15,550	3.56	553	8-71		42	858	-.06	22	44
51-03-0016	7195797	1347940	7-68	2	294	18,970	3.75	712	23	15,645	3.73	584	8-71		40	837	.01	31	51
51-03-0027	6571844	1320310	6-66	4	297	16,870	3.88	655	36	14,823	3.95	586	12-71		44	784	-.03	23	43
51-03-0028	6450365	1360676	10-65	4	305	18,240	3.92	715	38	15,170	4.07	618	6-71		42	792	.01	30	49
51-03-0028	6835915	1388982	1-67	3	305	20,373	4.22	860	38	15,267	4.07	621	8-71		42	690	.05	32	47
51-03-0028	7152250	1414618	8-68	2	305	22,005	3.56	783	47	15,435	4.04	624	11-71		40	819	-.05	22	43
51-03-0028	7217980	1447141	11-68	1	305	19,630	4.35	853	38	16,050	3.98	639	12-70		36	522	.10	34	44
51-03-0028	7412743	1383247	9-69	1	305	23,870	3.96	946	30	15,600	3.97	620	5-71		36	875	-.03	27	49
51-03-0028	7478813	1347940	11-69	1	296	18,830	4.01	755	66	15,720	4.08	641	9-71		36	760	.00	28	46
51-03-0056	6688771	1392774	10-66	3	304	20,780	4.07	845	29	15,516	4.18	649	9-71		42	641	.03	28	42
51-03-0056	6959318	1383247	9-67	2	305	22,395	3.85	862	22	15,660	4.11	644	1-71		40	932	-.05	26	50
51-03-0056	7002264	1320310	10-67	3	297	21,080	3.86	813	33	15,927	4.17	664	10-71		42	1,149	-.05	33	62
51-03-0056	7396001	1406271	6-69	1	305	20,760	3.60	748	10	14,620	4.26	623	5-71		36	867	-.01	30	51
51-03-0057	6559257	1237057	2-66	4	300	21,013	3.82	803	13	16,903	3.93	665	12-71		44	802	-.04	23	43
51-03-0057	7374500	1320310	4-69	1	305	22,620	3.66	827	11	16,960	3.92	665	10-71		36	1,034	-.05	29	55
51-03-0066	7024302	1379208	7-67	2	305	17,730	3.36	595	19	12,500	3.62	452	5-71		40	800	-.02	26	46
51-03-0069	6996289	1347940	8-67	3	295	15,930	3.96	631	35	12,766	3.86	493	9-71		42	816	.02	32	51
51-03-0069	7057215	1441440	12-67	2	305	15,655	4.11	644	44	13,330	3.92	522	6-71		40	594	.05	29	42
51-03-0069	7057225	1320310	3-68	2	300	15,970	3.79	606	52	13,145	3.96	520	7-71		40	832	-.04	24	45
51-03-0069	7158538	1347940	9-67	2	305	15,405	3.84	591	43	13,110	3.95	518	10-71		40	707	.00	25	42
51-03-0069	7190213	1447141	11-68	1	305	18,810	3.98	748	20	13,810	3.90	538	12-71		36	611	.07	33	46
51-03-0069	7436235	1427381	9-69	1	289	16,460	3.50	576	7	14,020	3.77	528	3-72		36	946	.02	37	59
51-03-0070	7242477	1503775	10-68	2	305	23,735	3.80	902	15	18,425	3.81	702	2-72		25	723	.01	28	45
51-03-0070	7396548	1427381	9-69	1	305	20,700	4.43	918	17	18,460	3.71	685	1-72		36	964	.11	52	72
51-03-0071	7503543	1427381	7-69	1	305	17,830	3.83	683	20	15,160	3.98	604	7-71		36	972	.03	40	62
51-03-0071	7503544	1427381	7-69	1	303	20,030	3.77	755	7	16,440	3.88	638	4-72		36	1,050	.03	43	67
51-03-0071	7503545	1427381	8-69	1	305	19,420	4.43	861	20	14,900	4.03	600	8-71		36	1,108	.09	54	76
51-03-0071	7503561	1427381	7-69	1	305	17,410	4.26	741	20	15,160	3.98	604	7-71		36	941	.07	45	65
51-03-0074	6648588	1399824	2-66	3	274	17,433	3.63	633	5	13,890	3.66	509	3-71		42	715	.02	29	45
51-03-9011	5322460	1295522	1-61	7	303	19,450	4.61	896	64	15,121	3.80	575	6-71		44	401	.18	41	46
51-03-9011	6148902	1217478	8-63	5	305	18,946	3.91	740	60	15,396	3.77	581	12-71		44	564	.07	31	43
51-03-9011	6172607	1417276	8-64	6	305	17,797	3.82	679	97	14,392	3.76	541	10-71		35	647	.03	26	43
51-03-9011	6172608	1417276	8-64	5	305	19,552	3.54	693	91	14,722	3.76	554	4-71		35	867	-.02	28	49
51-03-9011	6935895	1458744	9-67	3	288	21,290	3.10	661	47	16,340	3.50	572	4-72	B	42	1,026	-.07	26	52
51-03-9011	7177611	1330987	8-68	2	305	19,875	3.57	710	83	14,985	3.62	543	11-71		40	801	.03	33	51
51-04-0014	6883523	1347940	7-67	2	305	18,460	3.39	625	37	13,280	3.46	460	9-71		40	1,002	-.02	33	57
51-04-0014	7119128	1347940	2-68	2	304	16,435	3.50	576	22	12,600	3.42	431	5-71		40	858	.00	31	51
51-04-0022	6972983	1347940	8-67	2	305	16,670	3.84	640	23	14,605	3.90	569	8-71		40	699	.00	25	42
51-04-0036	5923098	1122127	9-63	6	300	17,267	3.47	600	21	12,810	3.61	462	10-71		44	845	-.06	22	44
51-04-0036	7007665	1417208	10-67	2	305	19,655	3.64	715	29	13,940	3.62	504	10-71		40	962	.02	37	59
51-04-0037	6366040	1330987	10-63	4	304	16,790	3.67	616	47	13,635	3.60	491	8-71		44	662	.04	30	45
51-04-0037	6616583	1330987	4-66	4	296	16,400	3.90	640	48	13,738	3.49	479	2-72		44	602	.08	34	46
51-04-0037	7147755	1417208	7-68	2	305	21,800	3.12	680	68	13,530	3.61	488	11-71		40	1,217	-.06	35	60
51-04-0037	7583707	1427381	12-68	2	298	19,955	3.32	663	44	13,420	3.52	472	2-72		40	1,375	.01	51	83
51-04-0037	7918971	1427381	6-70	1	305	20,970	3.19	669	37	13,820	3.47	479	3-72		35	1,296	.01	48	74
51-04-0048	6586120	1445278	3-66	4	305	22,045	3.13	690	42	15,142	3.76	569	2-72		43	1,259	-.16	20	55
51-04-0048	6586122	1392774	7-66	3	305	20,680	3.90	806	35	14,783	3.77	558	3-72		42	705	.05	33	45
51-04-0048	6774290	1346850	1-67	3	305	22,170	3.41	757	36	15,337	3.76	577	1-72		42	902	-.06	23	46
51-04-0048	6857046	1347940	4-67	3	300	18,690	3.25	608	27	14,886	3.72	554	5-71		42	914	-.07	23	47
51-04-0048	7297223	1447141	9-68	2	304	19,080	3.88	741	37	14,820	3.72	551	8-71		40	665	.07	35	49
51-04-0048	7435903	1347940	5-69	1	305	18,940	3.60	681	27	15,520	3.58	555	5-71		35	781	.00	28	47
51-04-0048	7435904	1347940	6-69	1	305	19,370	3.29	637	24	15,810	3.52	557	4-71		36	794	-.02	25	45
51-04-0062	7499994	1347940	10-69	1	305	19,980	3.68	736	14	15,880	3.62	575	12-71		36	835	.01	31	51
51-04-0083	7235501	1347940	12-68	2	305	18,355	3.65	689	14	13,865	3.72	516	1-72		40	988	.00	35	55
51-04-0145	7263036	1447141	12-68	1	298	18,830	3.53	665	13	13,800	3.69	509	6-71		35	613	.04	28	42
51-04-0151	7080260	1347940	6-67	2	305	16,155	3.60	653	5	14,425	3.74	540	9-71		40	866	-.01	29	50
51-04-0181	6337906	1122127	1-65	5	305	19,924	3.54	705	63	15,620	3.70	578	9-71		44	861	-.06	22	44
51-04-0181	6433828	1346850	9-65	4	305	20,823	3.75	780	65	16,135	3.69	595	7-71		44	704	.00	25	42
51-04-0181	6623261	1406271	8-65	5	303	18,012	3.50	630	80	15,322	3.71	568	10-71		44	716	.01	27	44
51-04-0181	6830108	1473654	3-67	3	305	23,006	3.89	896	63	16,990	3.68	626	4-71		41	730	.01	28	45
51-04-0181	6830113	1347940	5-67	3	295	18,810	4.05	762	70	16,773	3.66	614	1-72		42	732	.06	35	51
51-04-0181	6830114	1347940	5-67	3	305	21,063	3.62	763	66	16,703	3.67	613	9-71		42	999	-.01	35	59
51-04-0181	6897251	1386406	9-67	2	305	19,455	4.27	830	86	17,005	3.69	628	11-71		40	518	.10	33	43
51-04-0181	6912325	1347940	6-67	2	305	18,770	4.06	763	69	17,180	3.73	640	3-71		40	677	.04	31	46
51-04-0181	6912328	1347940	7-67	3	305	20,713	4.01	831	78	16,023	3.68	590	10-71		42	1,029	.05	45	68
51-04-0181	6912332	1347940	9-67	3	295	17,573	3.76	660	81	15,930	3.70	589	8-71		42	677	.01	26	42
51-04-0181	6912659	1503717	7-67	3	305	20,357	4.22	859	82	16,163	3.70	598	7-71		29	623	.11	39	51
51-04-0181	6912665	1503717	10-67	3	305	21,133	4.16	880	70	17,653	3.72	657	3-72		29	543	.10	34	44
51-04-0181	7094057	1347940	12-67	2	305	20,005	3.63	726	89	16,295	3.76	612	8-71		40	883	-.01	30	51
51-04-0181	7094058	1347940	6-68	2	305	21,020	3.59	755	78	16,935	3.67	622	11-71		40	928	-.01	32	54
51-04-0181	7094062	1347940	7-68	2	299	22,185	3.30	733	80	17,160	3.67	630	11-71		40	1,025	-.05	29	57

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVO MO-YR	T O D	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
51-04-0181	7119479	1399824	11-67	2	297	21,020	4.40	924	65	17,630	3.73	658	3-71		40	702	.12	43	$ 57
51-04-0181	7156797	1347940	6-68	1	305	22,370	3.42	766	72	16,830	3.74	629	11-70		36	949	-.03	30	53
51-04-0181	7230289	1347940	10-68	2	301	20,830	3.63	756	71	18,155	3.70	672	2-72		40	797	-.01	27	46
51-04-0181	7230290	1347940	10-68	2	302	24,530	3.30	810	70	17,690	3.67	649	12-71		40	1,215	-.06	35	66
51-04-0181	7233834	1458744	11-68	2	294	22,245	3.14	699	78	17,570	3.60	633	11-71		40	957	-.07	23	48
51-04-0181	7360388	1347940	7-69	1	305	19,950	3.33	665	93	16,680	3.65	608	10-71		36	779	-.03	24	43
51-04-0181	7387673	1406271	2-69	1	305	21,670	3.53	765	87	17,790	3.69	657	4-71		36	723	.02	29	46
51-04-0181	7528576	1379208	10-69	1	305	23,390	3.23	756	104	16,990	3.64	618	10-71		35	868	-.04	23	43
51-04-0181	7532745	1427615	2-70	1	305	26,090	3.47	906	60	17,810	3.72	662	3-72		36	1,131	-.11	23	53
51-04-0184	7081327	1347940	12-67	2	305	17,045	3.70	630	31	14,240	3.57	508	10-71		40	770	.01	30	48
51-04-0186	7168463	1355784	2-68	2	294	19,985	3.62	724	30	16,115	3.70	597	11-71		40	895	-.07	22	45
51-04-0186	7172097	1506490	4-68	2	305	23,105	3.25	751	29	16,150	3.73	603	10-71		29	1,074	-.09	25	53
51-04-0186	7235765	1417208	2-67	3	297	21,070	3.28	692	26	15,073	3.75	565	10-71		42	1,071	-.06	30	57
51-04-0186	7970241	1427381	11-69	1	305	22,350	3.06	683	23	16,290	3.62	589	12-71		36	1,233	-.02	41	71
51-04-0186	8022291	1427381	2-70	1	273	18,560	3.36	623	19	16,030	3.58	574	1-72		36	968	.02	38	60
51-04-0214	6898476	1320310	8-67	2	305	16,980	3.12	529	22	11,680	3.63	424	8-71		40	1,068	-.09	24	52
51-04-0228	7543276	1347940	7-68	2	302	22,715	3.43	778	12	16,090	3.62	583	3-72		40	1,177	-.03	38	67
51-04-0228	7660131	1399824	3-69	1	305	18,060	4.04	730	13	14,240	3.74	533	8-71		36	629	.06	31	44
51-04-0235	6428087	1417208	9-65	2	305	20,230	3.07	622	12	15,320	3.75	575	3-72		40	894	-.07	21	44
51-04-0235	7383348	1427381	7-69	1	305	19,650	3.59	705	44	13,670	3.68	503	10-71		36	1,207	.04	49	77
51-04-0245	6991729	1487697	1-68	3	301	21,716	3.63	789	21	16,333	3.61	589	3-72		41	715	.05	34	50
51-04-0249	7281389	1347940	3-69	1	305	18,350	3.72	682	29	15,120	3.87	585	7-71		36	764	-.01	26	44
51-04-0255	6844013	1347940	4-67	3	305	17,003	3.80	646	28	13,356	3.96	529	12-71		42	878	-.01	30	51
51-04-0262	6942430	1261857	11-66	3	280	15,023	3.87	581	7	13,510	3.59	485	6-71		42	555	.09	33	44
51-04-0277	6708204	1379208	11-66	5	289	16,444	3.27	538	17	12,496	3.40	425	2-72		44	757	-.02	24	43
51-04-0288	6428425	1268294	12-65	3	303	17,790	3.42	609	7	12,090	3.71	448	8-71		42	858	-.06	22	44
51-04-0291	6550154	1458744	11-65	2	305	18,150	3.38	613	28	13,280	3.91	519	9-70		40	933	-.06	25	49
51-04-0292	6108967	1386777	8-64	5	305	20,398	3.44	702	26	15,586	3.71	578	11-71		36	894	-.05	25	46
51-04-0292	7403036	1447141	1-69	1	305	23,150	2.89	670	35	16,250	3.69	599	7-71		36	771	-.03	23	42
51-04-0298	6902774	1347940	11-66	2	291	19,795	3.74	741	20	14,495	3.70	537	1-71		40	1,026	.01	33	62
51-04-0308	6413093	1441440	12-65	1	305	18,420	3.79	699	15	13,480	3.58	483	6-71		36	754	.04	34	51
51-04-0308	7268049	1458744	7-68	1	305	23,580	3.16	746	9	17,720	3.37	597	12-71		36	940	-.04	28	51
51-04-0318	5498894	1376810	8-61	7	305	21,524	3.57	768	30	16,705	3.44	574	12-71		44	841	-.01	29	49
51-04-0318	6469353	1455965	8-65	4	305	24,030	3.42	822	51	18,168	3.37	613	1-72		42	756	-.01	25	43
51-04-9197	6806267	1347940	4-67	3	305	18,963	3.51	665	36	15,696	3.73	586	2-72		42	862	-.03	27	48
51-04-9197	6939643	1399824	9-67	3	305	20,020	3.86	773	53	16,023	3.76	603	3-72		42	792	.04	35	53
51-04-9197	7088865	1399824	1-68	2	305	23,420	3.67	860	17	16,610	3.65	606	3-72		40	1,038	.03	42	66
51-04-9197	7155926	1347940	8-68	2	305	18,265	3.93	717	53	16,005	3.81	610	1-72		40	733	.02	29	46
51-04-9197	7155927	1347940	9-68	1	305	20,490	3.36	688	32	16,390	3.79	622	12-70		36	839	-.04	24	45
51-04-9197	7334015	1347940	10-68	2	305	20,525	3.66	751	59	15,245	3.86	588	10-71		40	1,032	-.01	35	6
51-04-9197	7334016	1347940	3-69	1	305	18,290	4.10	750	62	15,280	3.76	574	10-71		36	749	.03	32	45
51-04-9197	7611091	1524520	8-69	1	305	25,590	2.93	751	54	15,410	3.82	588	11-71		19	977	-.13	15	43
51-04-9197	7645793	1399824	12-69	1	305	20,190	3.91	790	25	17,120	3.66	626	2-72		35	594	.05	29	42
51-05-0056	6277679	1268294	6-64	2	305	21,155	3.58	758	26	15,100	3.77	570	7-71		40	859	-.05	24	4-
51-05-0056	6396090	1406271	10-65	4	296	16,090	4.16	669	22	14,033	3.77	529	3-71		44	612	.09	35	4-
51-05-0098	5440417	1122127	7-61	3	305	21,713	3.42	742	28	15,243	3.71	566	6-71		42	1,055	-.08	26	5-
51-05-0098	6200923	1189870	11-63	6	304	19,663	4.00	787	22	14,763	3.77	556	7-71		44	834	.06	39	57
51-05-0098	6443749	1418128	4-65	3	305	21,523	3.28	706	36	15,243	3.81	581	12-71		29	907	-.09	19	4-
51-05-0098	6443752	1446706	6-65	4	305	19,088	3.94	752	37	14,923	3.82	570	11-71		42	587	.06	30	42
51-05-0098	6802759	1347940	4-67	2	305	18,725	3.93	736	38	14,715	3.81	560	10-71		40	898	.02	35	57
51-05-0098	6802760	1347940	5-67	3	305	18,146	3.66	665	35	15,486	3.83	593	1-72		42	769	-.02	26	45
51-05-0098	7196701	1347940	2-68	3	303	19,550	4.31	843	23	15,803	3.68	582	2-72		42	918	.1-	46	67
51-05-0098	7196702	1347940	10-68	1	305	18,870	3.43	647	32	13,290	3.70	492	6-71		36	926	-.02	30	53
51-05-0098	7220260	1347940	12-68	1	305	17,770	3.92	696	48	14,940	3.86	576	10-71		36	733	.01	28	45
51-05-0112	6891748	1453358	11-65	4	305	17,553	3.91	687	16	12,420	4.03	500	7-71		30	751	.01	29	47
51-05-0122	6433475	1320310	12-65	1	305	17,120	3.32	569	16	13,340	3.79	505	4-71		36	667	-.07	20	43
51-05-0122	6915141	1463661	8-67	3	301	16,480	4.19	690	23	12,357	3.67	453	12-71		32	522	.10	33	5
51-05-0122	6915143	1406271	2-67	3	305	16,770	4.11	689	38	12,120	3.75	454	9-71		42	679	.09	45	6-
51-05-0122	6915144	1406271	2-67	3	302	16,533	3.32	549	38	12,067	3.75	453	9-71		42	858	-.01	29	5-
51-05-0161	7462114	1427381	7-69	1	295	16,100	3.41	549	10	14,510	3.65	529	1-72		36	867	.02	35	56
51-05-0167	5521099	1199324	1-61	8	289	17,693	3.80	673	9	15,235	3.77	574	2-72		44	758	.00	27	4-
51-05-0167	7057122	1406271	7-67	2	305	15,795	4.44	702	11	12,880	3.70	477	7-71		40	664	.12	42	5-
51-05-0172	5986390	1276654	8-63	5	304	20,582	3.24	666	19	13,436	3.76	505	5-71		44	1,132	-.09	24	51
51-05-0172	7078747	1347940	3-68	2	305	15,790	4.19	661	35	12,260	3.78	463	8-71		40	324	.05	37	55
51-05-0172	7413592	1427381	6-69	1	305	16,160	3.81	616	34	12,580	3.70	466	9-71		36	1,020	.05	45	65
51-05-0172	7451082	1427381	7-69	1	305	19,910	3.86	769	19	14,340	3.66	525	12-71		36	1,182	.06	52	7-
51-05-7188	7245834	1458744	11-68	1	305	20,370	3.92	799	8	13,990	3.54	495	8-71		36	951	.03	39	61
51-05-9044	7011423	1399824	3-67	3	305	18,950	3.73	706	39	15,830	3.78	599	1-72		42	689	.02	28	4-
51-05-9044	7011424	1399824	4-67	3	305	20,810	3.33	692	30	15,703	3.75	589	3-72		42	916	-.04	27	5
51-05-9044	7180078	1399824	11-68	2	305	18,835	3.99	751	37	15,665	3.82	599	12-71		40	659	.05	31	45
51-05-9110	5598903	1237257	6-62	4	305	23,510	3.70	869	24	15,715	3.69	580	2-71		44	1,242	-.02	41	71
51-05-9110	7361789	1378594	8-67	2	305	24,390	4.30	1049	29	15,130	3.73	564	4-71		40	566	.22	54	6-
51-05-9110	7365485	1519107	6-69	1	305	23,660	2.96	700	32	14,080	3.87	545	11-71		22	1,242	-.11	23	61
51-05-9110	7606785	1519107	7-69	1	305	20,700	3.83	793	32	14,000	3.80	532	9-71		22	979	.02	38	61
51-05-9110	7841484	1519107	7-69	1	305	18,350	4.14	759	28	13,680	3.76	515	8-71		22	791	.05	36	5-
51-05-9110	7841485	1519107	7-69	1	305	19,720	4.05	799	23	13,310	3.79	505	7-71		22	946	.04	4-	61
51-05-9110	7841486	1519107	7-69	1	305	20,100	3.91	785	28	13,680	3.76	515	8-71		22	951	.02	33	6
51-05-9110	7884833	1519107	8-69	1	305	18,680	3.35	625	28	13,680	3.76	515	8-71		22	821	-.04	24	45
51-05-9110	7884834	1519107	8-69	1	305	20,260	3.88	786	28	13,680	3.76	515	8-71		22	965	.02	33	6-
51-05-9110	7918201	1519107	10-69	1	280	19,950	3.96	791	22	13,990	3.92	549	2-72		22	911	.02	35	57
51-05-9110	7918202	1519107	10-69	1	305	19,840	3.16	626	34	14,450	3.87	559	12-71		22	864	-.07	2-	43
51-05-9110	7918204	1519107	10-69	1	305	19,780	3.76	743	34	14,450	3.87	559	12-71		22	858	.00	31	51
51-05-9110	7918205	1519107	10-69	1	305	18,650	3.56	664	34	14,450	3.87	559	12-71		22	755	-.02	24	43
51-06-0019	6192333	1337741	10-64	5	305	19,432	3.74	727	9	14,688	3.89	572	2-71		44	873	.00	31	52
51-06-0019	6968241	1487697	12-67	2	305	18,985	4.50	854	5	14,510	4.02	583	5-71		38	525	.13	39	48

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C D	REPT (%)	.......C O W MILK (LB)	I N D E X....... FAT (%)	FAT (LB)	DOL-LARS
51-06-0019	7226728	1519218	12-68	2	304	19,755	3.79	749	17	14,135	4.19	592	12-71		38	752	-.02	24	$ 42
51-06-0027	6823396	1445278	2-67	3	305	19,060	3.78	720	27	13,386	4.12	552	8-71		42	1,048	-.09	24	51
51-06-0027	7187828	1347940	6-68	1	305	18,880	4.23	798	23	13,680	4.15	568	6-71		36	900	.02	36	57
51-06-0034	6779276	1441074	5-66	3	305	16,593	4.06	673	16	12,123	3.72	451	10-71		32	729	.08	38	53
51-06-0034	7314757	1320310	10-68	1	305	16,430	3.57	587	21	12,460	3.81	475	1-72		36	875	-.05	24	40
51-07-0023	6614044	1445278	8-66	3	304	18,613	3.44	640	38	13,793	3.73	515	10-70		42	953	-.10	19	44
51-07-0023	6860646	1347940	3-67	3	303	19,630	3.46	679	32	13,673	3.77	516	6-71		42	1,148	-.03	36	64
51-07-0023	7067603	1347940	12-67	3	295	17,036	3.67	626	35	14,180	3.75	532	1-72		42	797	.00	28	47
51-07-0026	6721442	1451853	8-66	3	300	21,343	3.35	714	19	15,583	3.50	546	12-70		33	881	-.06	23	46
51-07-0026	7574757	1491007	10-69	1	305	20,500	3.28	672	32	13,840	3.62	501	12-71		35	1,017	-.02	33	58
51-07-0026	7574758	1491007	10-69	1	305	18,420	3.40	626	37	13,830	3.60	498	11-71		35	861	-.01	30	51
51-07-0059	7419317	1347940	9-69	1	305	16,720	3.97	663	27	13,500	3.78	510	8-71		36	752	.02	30	47
51-07-0064	6847472	1347940	3-67	3	299	19,263	3.49	673	14	15,333	3.58	549	1-72		42	934	-.02	31	54
51-07-0087	6859116	1414618	7-67	2	305	19,405	4.47	868	32	15,125	3.70	560	5-71		40	582	.10	36	47
51-07-0127	7151651	1347940	8-68	1	305	20,600	3.50	722	20	17,000	3.66	622	3-71		36	806	-.01	27	47
51-07-0135	6377889	1446286	8-65	4	305	18,205	3.86	703	52	15,352	3.75	575	11-71		37	684	.02	27	43
51-07-0135	7606434	1458744	9-69	1	305	24,540	3.57	877	35	15,370	3.68	566	5-71		36	1,169	-.01	40	68
51-07-0151	6833882	1347940	5-67	1	299	19,490	3.78	736	30	16,850	3.76	633	12-70		36	733	.00	27	44
51-07-0180	5585157	1122127	11-61	6	298	19,132	3.55	679	25	14,107	3.74	528	10-71		44	935	-.06	24	48
51-07-0180	6454342	1445278	9-65	4	305	20,372	3.27	666	30	14,955	3.74	560	1-71		43	1,071	-.13	18	47
51-07-0180	7444056	1347940	1-68	2	305	18,480	4.00	739	32	13,845	3.76	521	10-71		40	952	.03	39	61
51-07-0180	7919359	1406271	10-69	1	305	17,910	3.48	623	34	13,970	3.77	527	10-71		36	699	.02	28	44
51-07-0184	6962914	1347940	9-67	3	302	22,340	3.56	795	44	15,306	3.85	589	11-71		42	1,290	-.04	41	73
51-07-0184	7380722	1347940	11-68	1	305	20,380	3.88	791	32	16,090	3.72	598	12-70		36	851	.02	34	54
51-07-0192	6855155	1347940	3-67	3	305	22,176	4.03	894	20	16,383	3.89	637	12-71		42	1,160	.04	48	75
51-07-0192	7165419	1347940	3-68	2	305	19,000	3.48	661	20	16,040	3.88	622	11-71		40	804	-.05	22	42
51-07-0192	7409633	1347940	3-69	1	305	20,380	3.73	760	19	16,520	3.95	653	2-72		36	822	-.01	28	48
51-07-0236	7179404	1392858	8-68	2	305	20,835	3.58	746	25	15,655	3.95	619	2-72		40	729	-.01	25	43
51-07-0241	7478007	1399824	8-69	1	305	23,690	2.57	610	11	16,160	3.31	535	12-71		36	919	-.08	21	45
51-07-0242	5648500	1199324	1-62	5	305	17,388	3.96	689	41	15,862	3.69	586	3-71		44	646	.03	28	43
51-07-0242	6856262	1347940	6-67	3	301	19,403	3.51	681	54	16,646	3.60	599	7-71		42	814	-.02	27	47
51-07-0242	6999794	1347940	7-67	2	305	24,080	2.94	708	54	16,190	3.67	594	9-70		40	1,306	-.11	30	64
51-07-0242	7424206	1417208	8-69	1	305	20,510	3.80	780	56	16,290	3.64	593	7-71		36	739	.03	31	48
51-07-0297	5572504	010236866	7-57	6	305	20,870	3.25	678	40	13,723	3.64	500	1-71		42	1,066	-.05	28	53
51-07-0297	6557715	1406271	11-65	4	305	17,425	3.90	679	53	14,955	3.72	557	8-71		44	674	.06	33	47
51-07-0297	6613853	1376810	3-66	4	305	18,287	3.97	726	64	13,562	3.78	512	1-72		43	763	.02	30	48
51-07-0297	6613855	1376810	4-66	3	305	19,956	3.29	657	51	13,630	3.72	507	3-71		42	918	-.08	21	45
51-07-0297	7360645	1406271	8-67	2	305	21,525	3.36	724	38	14,740	3.79	559	3-72		40	1,076	-.01	37	63
51-07-0340	7357785	1347940	2-69	1	305	18,460	3.17	586	11	13,790	3.84	530	2-71		36	862	-.05	23	45
51-07-0365	7173042	1347940	4-68	2	305	17,030	4.17	710	12	14,035	3.97	557	1-72		40	788	.03	33	51
51-07-0400	6205178	1441298	8-64	4	278	15,215	3.75	571	35	13,460	3.68	495	8-70		41	827	-.04	23	44
51-07-0409	5768914	1392774	3-63	3	303	19,946	3.75	748	9	13,923	3.71	517	11-70		42	710	.03	30	45
51-07-0421	7393121	1487697	11-67	2	299	19,765	3.63	718	21	14,115	3.63	512	3-71		38	544	.05	31	45
51-07-0432	7218794	1347940	11-67	3	301	20,410	3.96	809	8	16,490	3.78	624	4-72		42	946	.03	39	61
51-07-0443	6975263	1458744	9-67	1	305	16,990	4.93	837	5	14,680	4.24	623	9-71		36	653	.06	33	47
51-07-0443	6975265	1458744	9-67	1	305	22,620	3.68	832	5	14,940	4.17	623	10-71		36	1,055	-.03	33	59
51-07-0449	6699604	1261857	12-66	1	305	18,070	3.60	650	29	15,450	3.46	534	6-71		36	634	.07	33	40
51-07-0449	6876534	1261857	7-67	1	305	18,770	3.39	637	15	16,620	3.51	583	3-71		36	608	.05	29	4[illegible]
51-07-0449	6939781	1261857	10-67	1	305	21,680	3.18	690	25	16,000	3.45	552	5-71		36	866	.02	35	5[illegible]
51-07-0449	7220305	1399283	10-68	1	305	22,110	3.89	860	39	15,180	3.75	569	1-72		36	790	-.01	27	4[illegible]
51-07-0449	7237060	1447141	8-68	1	305	21,550	3.13	674	35	15,360	3.54	543	7-71		36	711	.01	27	44
51-07-0449	7241191	1347940	8-68	1	305	21,170	3.18	673	35	15,440	3.56	550	7-71		36	953	-.04	28	52
51-07-9020	6956510	1347940	8-67	3	290	18,320	3.65	669	19	14,030	3.96	555	11-71		42	960	-.03	30	54
51-07-9020	6956511	1347940	8-67	3	305	17,593	3.83	673	19	14,250	3.96	564	12-71		42	854	-.01	3	5
51-07-9020	7268076	1447141	8-68	2	305	17,915	3.85	690	26	13,735	3.99	548	11-71		40	646	.05	31	4[illegible]
51-07-9025	5919898	1122127	7-63	5	305	16,178	4.35	703	23	13,014	3.89	506	8-71		44	581	.04	3[illegible]	4[illegible]
51-07-9025	6889568	1347940	5-67	3	305	16,363	3.69	604	42	13,276	3.94	523	9-71		42	813	-.02	26	40
51-07-9025	7216884	1414618	1-69	2	305	20,155	3.73	752	16	14,305	3.84	550	2-72		40	734	-.01	25	43
51-07-9025	7499303	1524956	8-69	1	305	18,830	3.92	739	46	12,610	3.97	500	9-71		32	895	.00	32	53
51-07-9027	6175747	1330987	8-64	4	305	18,040	3.70	667	53	13,903	3.98	554	1-72		44	767	.00	29	48
51-07-9027	6175750	1392774	9-64	4	298	18,497	4.20	776	56	14,250	3.95	563	3-71		44	545	.08	31	4[illegible]
51-07-9027	6838736	1484301	2-67	3	297	18,870	4.00	754	49	14,476	4.01	581	3-71		33	682	.02	27	43
51-07-9027	7048289	1501058	1-68	3	293	18,730	3.91	732	49	13,893	4.03	560	2-72		33	664	.02	27	42
51-07-9029	7095472	1347940	3-68	2	305	21,320	3.71	791	58	14,430	4.05	585	11-71		40	1,187	-.02	39	63
51-07-9031	5701887	1217478	9-62	6	305	20,450	3.94	805	29	16,777	3.83	642	12-71		44	598	.07	32	44
51-07-9031	5741002	1217478	10-62	5	305	20,628	3.90	805	37	16,698	3.78	632	5-71		44	630	.08	34	47
51-07-9031	5736877	1396363	12-62	4	305	21,835	4.08	891	38	17,710	3.77	668	2-71		32	766	.09	42	5[illegible]
51-07-9031	5890865	1217478	7-63	7	305	22,799	3.83	873	43	16,911	3.81	645	1-72		44	885	.06	41	6[illegible]
51-07-9031	6043431	1392774	3-64	5	305	21,740	3.84	834	39	16,548	3.81	630	12-71		44	719	.04	32	45
51-07-9031	6415655	1406271	10-65	4	305	24,488	3.53	865	34	17,723	3.79	671	3-71		44	1,239	.00	44	74
51-07-9031	6754927	1436508	11-66	3	305	23,907	3.34	798	46	17,617	3.83	674	11-71		29	943	-.09	20	45
51-07-9031	6917937	1347940	7-67	3	305	20,310	3.79	769	52	16,306	3.80	619	9-71		42	953	.00	35	58
51-07-9031	7244053	1491007	1-69	1	305	21,270	3.66	779	41	16,070	3.81	612	6-71		35	924	.00	34	56
51-07-9040	6571331	1405940	1-66	4	301	18,793	3.63	683	27	14,135	3.76	532	7-71		37	705	.01	27	44
51-07-9040	6813603	1406271	1-67	2	305	20,425	3.55	726	25	15,515	3.69	572	3-71		40	893	.02	35	56
51-07-9040	7495156	1406271	11-69	1	305	19,440	3.15	613	36	13,950	3.73	520	2-72		36	814	-.02	27	47
51-07-9066	7070508	1478922	11-67	3	305	19,937	3.73	743	38	15,087	3.73	562	10-71		31	719	.01	27	44
51-07-9086	6168168	1122127	5-64	6	305	19,488	3.68	717	43	15,048	3.86	581	1-72		44	872	-.06	23	45
51-07-9086	6706146	1406271	9-66	4	303	16,770	4.16	697	50	14,995	3.84	576	10-71		44	589	.09	34	40
51-07-9086	6754510	1406271	1-67	3	305	18,693	3.74	699	18	15,600	3.90	608	5-71		42	740	.02	30	47
51-07-9086	6860270	1406271	4-67	3	298	17,433	4.65	810	53	15,177	3.90	592	10-71		42	639	.14	44	5[illegible]
51-07-9086	7234200	1347940	11-68	2	206	21,945	3.54	776	22	17,405	3.85	670	3-72	8	40	979	-.03	30	54
51-07-9086	7234202	1447141	12-68	1	305	22,730	3.92	891	24	17,480	3.82	668	3-71		36	657	.08	35	4[illegible]
51-07-9109	5934505	1217478	8-63	6	305	17,485	4.31	753	38	13,905	3.79	527	3-71		44	549	.13	39	49
51-07-9109	5934510	1122127	9-63	5	305	18,644	3.73	696	34	13,764	3.81	524	6-71		44	912	-.04	27	5

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C D	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
51-07-9109	7368018	1320310	6-69	1	305	17,650	3.37	595	52	13,890	3.87	537	6-71		36	870	-.07	20	$ 43
51-07-9140	6655911	1410509	12-64	3	291	18,167	3.62	657	60	13,520	3.51	474	2-71		32	798	-.01	28	47
51-07-9164	7061265	1347940	12-67	2	193	18,875	3.35	633	22	15,690	3.61	566	5-71	B	40	824	-.03	25	45
51-07-9164	7234813	1491007	11-68	1	305	22,900	3.73	855	13	18,800	3.62	681	3-72		35	862	.03	35	55
51-07-9164	7288515	1283917	8-68	2	305	24,385	3.53	862	23	16,855	3.64	614	1-72		40	1,006	-.08	24	50
51-07-9164	7576074	1458744	1-70	1	305	21,440	3.38	724	13	17,950	3.64	654	1-72		36	765	-.03	23	42
51-07-9272	6857036	1347940	5-67	3	300	21,596	3.26	704	26	15,533	3.64	565	12-71		42	1,181	-.06	33	63
51-07-9272	7615114	1491007	9-68	2	298	18,525	3.16	586	34	15,325	3.68	564	9-71		40	823	-.05	22	43
51-07-9272	7615115	1491007	9-68	1	305	19,130	3.98	761	32	14,970	3.63	544	7-71		35	837	.04	37	56
51-07-9281	6611435	1458744	2-66	4	298	17,760	3.68	653	26	15,177	3.81	579	7-71		44	754	-.01	25	43
51-07-9281	6780178	1502685	12-66	2	304	23,745	3.30	784	25	16,090	3.78	609	1-72	B	25	990	-.08	24	50
51-07-9281	7026299	1494828	11-67	2	305	20,825	4.02	838	13	16,935	3.90	660	2-71		30	526	.09	32	42
51-07-9281	7153243	1347940	8-68	2	305	20,165	3.84	775	24	16,240	3.76	610	1-72		40	904	.02	35	56
51-07-9375	6223265	1388724	10-64	5	305	21,530	3.54	762	22	17,170	3.25	558	8-71		38	572	.07	31	43
51-07-9375	6715195	1347940	2-67	3	301	19,266	3.61	695	17	16,006	3.61	578	1-72		42	864	.00	31	52
51-07-9375	7499395	1347940	9-69	1	299	18,660	3.75	700	20	16,810	3.52	591	4-72		36	674	.02	27	43
51-07-9375	7539856	1524956	2-70	1	305	19,990	3.64	728	36	16,550	3.60	595	2-72		32	704	.00	25	42
51-07-9382	6607501	1347940	7-66	3	305	20,420	3.94	804	10	17,996	3.83	689	11-71		42	791	.02	32	50
51-07-9382	6653925	1347940	7-66	3	300	23,003	3.80	873	8	17,393	3.83	667	8-70		42	1,150	.00	42	69
51-07-9382	6721608	1379208	11-66	4	286	20,578	3.95	813	11	17,900	3.90	698	11-71		43	648	.03	28	43
51-07-9382	7094861	1357797	7-68	2	297	20,945	3.95	827	17	19,405	3.67	712	7-71		40	425	.14	36	42
51-07-9390	5779317	1396768	12-62	6	302	21,740	3.80	826	26	17,957	3.73	669	3-71		44	687	.01	26	42
51-07-9390	6066318	1415405	3-64	5	305	21,794	4.07	887	27	17,094	3.73	637	7-71		44	797	.05	36	54
51-07-9390	6219645	1423201	11-64	5	302	30,942	3.16	979	33	18,130	3.64	660	10-71		44	1,102	-.04	33	6[illegible]
51-07-9390	6302135	1329588	3-65	5	301	23,116	3.48	805	21	18,524	3.61	669	12-71		44	839	-.03	25	40
51-07-9390	6422039	1347940	8-65	4	305	20,902	3.23	675	17	16,620	3.67	610	8-71		44	1,016	-.07	26	52
51-07-9390	6594455	1469311	5-66	3	305	19,037	4.35	829	29	16,867	3.84	647	6-71		42	464	.12	35	43
51-07-9390	6695101	1466179	9-66	3	301	22,626	3.33	754	18	16,593	3.56	590	8-71		37	1,396	-.06	41	76
51-07-9390	7221329	1261857	10-68	2	305	24,595	3.82	940	17	18,585	3.76	698	11-71		40	1,057	.07	49	72
51-07-9394	6945764	1347940	6-67	2	298	17,520	3.86	677	46	13,605	3.75	510	9-71		40	877	.02	34	54
51-07-9394	6945765	1347940	8-67	3	305	16,083	3.88	624	50	14,193	3.78	536	12-71		42	686	.02	27	43
51-07-9407	5560216	1189870	11-61	5	305	19,842	3.75	744	22	15,922	3.84	612	12-71		44	723	.01	27	44
51-07-9407	6477437	1336050	8-65	4	303	19,358	4.23	818	16	15,488	3.94	610	6-71		44	901	.06	42	62
51-07-9407	6991843	1239242	11-66	3	305	24,377	3.69	899	33	16,437	3.92	644	12-71		42	1,091	-.02	36	63
51-08-0005	7703423	1458744	1-69	1	305	19,290	3.32	641	24	14,860	3.53	525	8-71		36	812	-.03	25	45
51-08-0005	7703424	1458744	1-69	1	305	19,990	3.01	601	27	14,950	3.55	530	7-71		36	858	-.06	22	4[illegible]
51-08-0041	6327493	1406271	6-65	4	305	19,560	3.73	730	22	14,838	3.52	523	1-71		44	951	.06	43	64
51-08-0041	6924493	1347940	7-67	3	305	18,546	3.66	679	23	15,180	3.56	541	2-72		42	867	.01	33	53
51-08-0041	7255919	1347940	1-69	1	305	19,120	3.48	666	27	13,580	3.65	495	8-71		36	925	-.02	31	52
51-08-0075	6396623	1242221	8-65	5	291	15,462	3.62	559	8	12,392	3.65	452	7-71		43	965	-.01	34	57
51-08-0084	6760849	1259069	2-63	2	305	20,620	3.54	729	11	13,965	3.63	507	2-71		40	810	-.03	24	44
51-08-0090	6220154	1436081	1-65	4	305	21,322	3.71	790	11	16,545	3.46	573	5-71		44	588	.07	32	44
51-08-0105	6664028	1347940	10-66	4	301	20,570	3.53	726	20	16,620	3.53	586	2-72		44	975	.00	35	58
51-08-0105	6721282	1347940	9-66	2	298	23,805	2.79	665	18	16,130	3.50	564	3-72		40	1,264	-.12	28	62
51-08-0113	7413421	1347940	9-68	1	305	23,320	2.95	689	9	16,700	3.52	588	12-71		36	1,029	-.07	27	53
51-08-0113	7534783	1347940	8-68	1	287	19,330	3.40	658	9	16,700	3.52	588	12-71		36	731	-.01	25	43
51-08-0118	7151269	1347940	4-68	2	302	20,945	3.02	632	7	16,275	3.55	578	10-71		40	960	-.08	23	40
51-08-0130	7313087	1427381	4-69	1	305	18,290	3.35	612	18	15,460	3.55	549	7-71		36	986	.02	39	62
51-08-0140	6045801	1217478	3-64	3	305	24,490	3.67	900	10	15,637	3.69	577	12-71		42	1,129	.05	48	74
51-09-0007	6923415	1330987	11-67	1	305	20,120	3.42	688	5	13,920	3.49	486	10-71		36	776	.03	32	5[illegible]
51-09-0029	5997454	1189870	7-63	5	305	18,036	3.81	688	13	13,696	3.91	535	1-72		44	748	.01	28	4[illegible]
51-09-0029	7160258	1309574	8-68	1	305	18,480	3.81	704	25	13,290	3.75	498	6-71		36	609	.06	31	4[illegible]
51-09-0039	6697952	1337741	10-66	3	301	17,773	4.37	777	26	15,100	3.55	536	7-71		42	579	.12	39	5[illegible]
51-09-0115	6971447	1347940	11-67	3	295	18,623	3.67	684	11	15,096	3.72	561	1-72		42	885	-.01	31	52
51-09-0115	7028940	1320310	12-67	2	294	16,740	4.01	672	28	14,785	3.75	555	9-71		40	760	.00	27	45
51-09-0173	7004962	1347940	11-67	2	299	17,390	3.75	652	31	14,725	3.80	560	9-71		40	761	.00	27	45
51-09-0199	7463493	1406271	3-69	1	305	18,060	3.60	651	15	12,770	3.79	484	10-71		36	790	.02	32	5[illegible]
51-09-0202	7338721	1261857	7-67	3	305	16,317	4.32	705	14	14,473	3.93	569	4-72		42	604	.11	39	5[illegible]
51-09-9187	6805058	1406271	11-66	3	299	20,877	3.28	684	34	15,743	3.73	587	5-71		42	977	-.03	30	54
51-09-9187	6805062	1392774	2-67	3	305	20,123	4.47	899	27	16,413	3.66	601	2-72		42	473	.15	39	46
51-09-9187	7339972	1347940	5-68	2	305	18,435	3.57	658	32	15,285	3.67	561	9-71		40	816	-.01	28	48
51-09-9187	7420895	1347940	12-68	1	305	19,570	3.62	708	50	16,330	3.65	596	7-71		35	774	.00	28	46
51-10-0010	7150708	1376810	9-68	2	305	22,515	3.30	744	16	16,345	3.49	570	2-72		40	845	-.06	22	44
51-10-0010	7204091	1347940	12-68	1	305	19,110	3.78	722	16	16,900	3.70	626	11-71		36	702	.01	27	43
51-10-0022	7580296	1445278	11-69	1	305	23,960	3.50	839	22	16,800	3.76	631	2-72		35	998	-.10	21	47
51-10-0105	7168465	1347940	7-68	2	305	16,535	3.55	587	39	13,025	3.75	488	11-71		40	830	-.02	27	47
51-10-0137	7205288	1347940	11-68	2	305	18,370	3.63	666	88	15,365	3.77	580	2-72		40	802	-.01	27	46
51-10-0137	7427474	1406271	8-69	1	305	21,110	3.95	833	128	16,000	3.78	605	12-71		36	801	.06	38	55
51-10-0137	7490306	1406271	12-69	1	305	18,190	4.23	769	73	15,830	3.82	605	2-72		36	595	.08	33	45
51-10-0151	7035285	1261857	3-68	1	305	21,750	4.03	876	14	15,470	3.55	549	2-72		36	907	.11	49	68
51-10-9018	5741005	1376810	6-62	6	305	21,178	3.47	735	30	16,965	3.41	579	9-70		44	766	-.02	25	44
51-10-9018	6441271	1376810	9-65	4	305	22,187	3.74	830	57	18,152	3.36	609	10-71		43	734	.04	32	48
51-10-9018	7167263	1506490	8-68	1	305	25,850	3.06	790	59	18,020	3.34	601	5-71		23	970	-.06	25	5[illegible]
51-10-9098	6094769	1122127	6-64	6	301	20,195	3.69	746	45	16,465	3.69	607	4-72		44	798	-.03	24	44
51-10-9098	6472843	1347940	8-65	4	303	19,357	3.49	675	47	15,322	3.69	565	9-71		44	970	-.03	30	54
51-10-9098	6722741	1379208	10-66	3	302	20,617	3.62	746	49	16,140	3.69	596	3-71		42	819	.00	30	49
51-10-9098	6842057	1347940	4-67	3	302	16,500	3.92	647	49	14,780	3.70	547	9-71		42	673	.03	29	44
51-10-9098	6909040	1347940	3-67	2	305	17,095	4.07	696	38	15,155	3.67	556	6-71		40	692	.05	32	47
51-10-9098	6939084	1379208	7-67	2	305	22,280	3.59	799	38	16,095	3.69	594	1-71		40	934	.00	33	55
51-10-9098	6939095	1347940	10-67	2	301	17,010	3.72	632	38	14,665	3.70	543	7-71		40	728	.00	27	44
51-10-9098	6939096	1347940	10-67	2	305	19,775	3.28	648	38	14,665	3.70	543	7-71		40	1,009	-.05	28	54
51-10-9098	6939097	1347940	10-67	2	305	16,295	3.90	636	43	14,605	3.72	543	8-71		40	661	.02	27	42
51-10-9098	7147597	1357797	7-68	2	293	16,910	4.07	689	54	14,795	3.74	554	9-71		40	437	.14	30	43
51-10-9098	7332160	1447141	11-68	1	305	21,860	3.80	831	42	15,590	3.72	580	4-71		30	719	.07	35	51
51-10-9098	7340450	1357797	11-68	1	305	17,850	4.18	747	48	15,170	3.66	555	6-71		35	439	.15	38	44

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVO MO-YR	T C O	REPT (%)	.......C O W MILK (LB)	I N D E X....... FAT (%)	FAT (LB)	DOLLARS
51-15-9119	7151555	1355784	9-68	1	305	23,410	3.59	841	76	16,880	3.90	659	9-71		35	1,026	-.09	23	$ 50
51-15-9119	7233831	1458744	10-68	1	305	24,780	3.32	822	41	18,420	3.56	656	2-71		36	983	-.04	30	54
51-15-9119	7233833	1458744	11-68	2	305	22,710	3.30	750	41	18,665	3.71	693	1-72		40	904	-.06	23	46
51-15-9119	7406424	1392858	7-69	1	305	22,210	4.27	948	77	16,890	3.88	656	9-71		36	618	.08	35	47
51-15-9121	5291729	1151349	1-61	6	305	20,815	3.63	756	26	15,488	3.54	548	1-71		44	535	.09	32	42
51-15-9121	5857969	1122127	1-63	4	305	23,533	3.42	805	49	17,460	3.48	607	8-71		44	1,082	-.06	30	57
51-15-9121	5951599	1427687	7-63	6	269	24,542	3.19	783	36	17,220	3.64	626	3-71		34	1,191	-.11	26	57
51-15-9121	5993326	1399824	6-63	5	304	19,020	3.46	659	46	15,954	3.54	564	9-71		44	718	.01	27	44
51-15-9121	6866028	1347940	8-67	2	305	21,555	3.77	813	68	17,125	3.59	615	8-71		40	965	.02	38	60
51-15-9121	6886518	1347940	5-67	2	305	21,575	3.48	751	39	18,010	3.51	633	11-71		40	886	-.01	30	51
51-15-9121	6963485	1347940	1-68	2	305	25,540	3.52	899	40	18,010	3.46	624	2-71		40	1,288	.00	46	77
51-15-9121	6989615	1347940	10-67	2	294	19,910	3.51	698	70	16,930	3.59	608	10-71		40	816	-.02	27	47
51-15-9121	7510884	1427381	8-69	1	305	20,930	3.18	665	81	17,730	3.43	608	10-71		36	1,031	.01	39	63
51-16-0044	6864628	1347940	7-67	1	305	19,800	3.88	769	12	15,480	3.78	585	4-71		36	848	.02	33	53
51-16-0044	6864629	1347940	7-67	1	305	18,790	4.02	756	23	15,470	3.99	617	11-70		36	774	.01	30	48
51-16-0044	6864632	1347940	9-67	1	305	21,230	3.15	668	14	15,950	3.82	609	2-71		36	923	-.06	24	48
51-16-0044	6980696	1379208	3-67	3	305	16,600	4.51	749	18	14,137	3.83	542	10-71		42	561	.11	36	47
51-16-0044	7185211	1347940	6-68	2	305	17,595	3.77	664	19	15,220	3.96	603	12-71		40	737	-.02	24	42
51-16-0044	7412728	1406271	9-69	1	305	20,490	3.66	749	14	15,080	3.77	569	5-71		36	816	.03	34	53
51-16-0061	6852237	1347940	3-67	2	305	16,785	4.10	689	14	13,110	3.91	513	12-70		40	847	.03	35	54
51-16-0061	7318805	1347940	2-69	1	305	19,640	3.43	673	16	15,560	3.49	543	1-72		36	831	-.01	29	49
51-16-0061	7422659	1406271	8-69	1	305	19,760	3.98	786	17	15,580	3.47	540	1-72		36	729	.08	39	54
51-16-0063	7141185	1347940	7-67	2	292	16,680	3.85	643	26	14,030	3.86	541	10-71		40	753	.01	28	46
51-16-0063	7141186	1347940	8-67	2	305	19,925	3.86	770	24	14,085	3.84	541	10-71		40	1,077	.01	41	66
51-16-0063	7141192	1347940	10-67	2	305	18,750	3.65	685	26	13,870	3.86	535	10-71		40	977	-.01	33	57
51-16-0063	7611667	1347940	4-69	1	305	18,220	3.73	679	28	15,270	3.93	600	10-71		36	745	-.01	25	43
51-16-0063	7611669	1347940	6-69	1	305	18,490	4.14	765	18	16,640	3.90	649	1-72		36	673	.02	28	43
51-16-0063	7650816	1447141	11-68	1	305	21,350	3.54	756	35	15,440	3.91	603	9-71		36	691	.03	29	45
51-17-0008	6675424	1476583	7-66	3	305	19,420	3.52	684	37	15,206	3.70	562	7-71		34	777	-.03	23	42
51-17-0008	7230683	1347940	12-68	2	305	19,195	3.38	649	39	14,325	3.75	537	11-71		40	961	-.04	29	54
51-17-0008	7233684	1347940	12-68	1	305	19,640	3.21	631	33	15,650	3.62	566	5-71		36	625	-.04	24	45
51-17-0008	7230685	1347940	12-68	2	305	17,080	3.99	681	37	14,755	3.77	556	2-72		40	727	.03	30	47
51-17-0008	7284846	1406271	1-69	2	305	21,705	3.74	812	31	15,590	3.75	584	3-72		40	1,017	.04	43	60
51-17-0008	7472595	1427381	8-69	1	305	17,100	3.75	641	41	15,590	3.78	589	11-71		36	869	.04	38	58
51-17-0008	7578414	1427381	1-70	1	305	19,240	4.26	820	20	15,470	3.88	601	4-72		36	1,056	.08	51	74
51-17-0035	6636275	1309574	8-66	3	305	20,703	3.92	811	17	15,837	3.61	571	5-71		42	786	.09	42	58
51-17-0035	6687186	1379208	9-66	3	304	20,103	3.71	746	39	15,187	3.60	547	10-71		42	859	.03	35	55
51-17-0035	6995763	1476583	8-67	2	298	20,870	3.55	741	20	15,145	3.74	567	6-71		31	901	-.03	28	5[illegible]
51-17-0035	7332768	1447141	2-69	2	293	18,500	3.78	700	30	15,275	3.61	551	12-71		40	565	.07	31	43
51-17-0035	7407559	1427381	4-69	1	305	17,830	3.95	705	36	14,590	3.58	523	8-71		36	1,010	.07	47	69
51-17-0035	7407563	1489981	9-69	1	305	19,050	3.81	726	36	14,550	3.59	523	8-71		35	527	.11	35	45
51-17-0036	5059864	1024856	9-59	8	303	18,891	4.16	786	18	14,968	3.82	572	2-71		44	539	.12	38	47
51-17-0036	6566118	1339464	1-66	4	305	23,838	3.34	796	21	17,838	3.64	649	12-71		44	919	-.11	17	42
51-17-0036	6921408	1347940	11-67	2	305	27,295	3.04	831	23	18,565	3.50	650	2-71		40	1,416	-.09	37	73
51-17-0036	7116135	1347940	6-68	2	305	22,325	3.48	778	18	16,890	3.68	621	6-71		40	1,064	-.03	34	60
51-17-0036	7116136	1347940	7-68	2	305	20,335	3.88	788	22	16,890	3.66	619	7-71		40	862	.03	36	56
51-17-0036	7369897	1347940	6-69	1	293	20,880	3.23	675	23	16,490	3.66	604	7-71		36	661	-.04	25	47
51-17-0036	7418810	1347940	3-69	1	305	20,380	3.68	749	18	17,830	3.52	628	4-71		36	734	.02	29	46
51-17-0037	6466594	1261857	1-66	4	303	22,713	4.61	1046	13	16,915	4.02	680	4-71		44	1,129	.18	59	91
51-17-0037	6763296	1261857	1-67	3	305	18,987	4.33	823	30	16,433	4.06	667	10-71		42	708	.11	42	56
51-17-0037	6892960	1261857	6-67	3	293	18,390	4.01	738	21	16,313	4.13	674	8-71		42	652	.05	31	45
51-17-0037	6892969	1376810	9-67	3	299	20,316	4.29	871	27	16,396	4.02	659	11-71		42	670	.04	30	45
51-17-0037	6943913	1376810	11-67	3	305	23,316	3.48	812	25	16,636	3.96	658	1-72		42	994	-.08	23	49
51-17-0037	7370083	1406271	4-69	1	305	20,360	4.02	819	32	16,400	4.09	670	8-71		36	718	.05	33	49
51-17-0037	7513970	1447141	3-70	1	302	20,980	4.58	961	21	17,320	3.91	677	2-72		36	537	.13	39	48
51-17-0039	6937876	1347940	9-67	2	295	18,270	3.65	667	14	14,260	3.53	503	7-71		40	693	.01	34	55
51-17-0039	7030101	1320310	3-68	2	305	17,130	3.64	623	7	14,035	3.84	539	5-71		40	868	-.05	24	46
51-17-0039	7130931	1347940	8-68	2	305	16,250	4.30	698	13	14,495	3.57	517	7-71		40	666	.08	36	50
51-17-0039	7471687	1320310	9-69	1	305	19,810	2.96	586	27	14,020	3.60	505	9-71		36	1,022	-.11	22	49
51-17-0050	7109306	1347940	12-67	2	305	18,190	3.69	672	12	15,380	3.78	581	11-71		40	783	-.01	27	46
51-17-0075	5799868	1122127	11-62	8	305	19,150	4.47	856	20	15,793	3.98	628	10-71		44	741	.06	36	52
51-17-0075	5799872	1217478	4-63	6	305	18,952	4.84	917	17	15,997	3.94	631	12-71		44	495	.20	48	54
51-17-0075	6698946	1473936	12-66	4	300	21,327	3.43	732	22	16,697	3.93	656	1-72		39	970	-.08	22	47
51-17-0075	6767903	1447141	1-67	2	305	20,535	3.78	777	22	16,455	3.87	636	5-71		40	563	.05	31	46
51-17-0080	6982593	1376810	1-67	3	305	24,243	3.08	747	25	15,736	3.79	597	1-71		42	1,197	-.14	22	54
51-17-0080	7204533	1447141	11-68	2	305	19,265	4.34	837	36	14,060	4.08	573	7-71		40	753	.10	43	58
51-17-0081	7118584	1347940	6-68	1	305	20,800	3.24	673	12	14,110	3.28	463	7-71		36	1,015	-.02	34	59
51-17-0095	6978558	1476583	5-67	2	305	22,970	3.15	724	13	16,255	3.78	615	2-71		31	1,030	-.10	21	45
51-17-0095	7219751	1427381	10-68	2	299	18,145	3.81	691	18	15,990	3.86	617	2-72		40	956	.04	40	62
51-17-0095	7325325	1406271	2-69	1	305	18,400	4.22	777	19	15,240	3.45	526	6-71		36	650	.10	39	50
51-17-0108	7295462	1347940	12-68	1	305	19,010	3.49	663	34	13,370	3.61	483	7-71		36	931	-.01	32	54
51-17-0108	7295468	1406271	2-69	1	305	22,000	3.64	801	34	16,630	3.42	569	3-71		36	825	.05	38	56
51-17-0110	6913741	1347940	7-67	2	291	17,660	3.92	693	43	15,235	3.66	557	9-71		40	742	.03	32	49
51-17-0110	7094468	1347940	2-68	2	302	19,475	3.54	689	43	15,235	3.66	557	9-71		40	925	-.02	31	53
51-17-0110	7517484	1447141	9-69	1	305	19,960	4.04	806	38	16,040	3.62	581	10-71		36	547	.10	34	4[illegible]
51-17-0111	7032817	1347940	5-67	3	303	18,946	3.12	591	6	14,850	3.70	549	8-71		42	947	-.06	22	47
51-17-0131	6205925	1329588	12-64	4	305	19,493	3.77	734	17	14,743	3.65	538	11-71		44	787	.01	30	41
51-17-0171	7002071	1261857	9-67	2	305	16,315	4.18	682	20	12,930	3.74	483	10-71		40	734	.11	43	54
51-17-0175	7048097	1487697	12-67	3	297	19,800	4.25	842	13	16,323	3.58	584	10-71		41	489	.16	41	43
51-17-0175	7048099	1347940	4-68	2	305	21,345	2.95	629	7	17,025	3.68	627	4-72		40	952	-.10	19	4[illegible]
51-17-0196	6971311	1261857	11-67	2	305	18,045	3.86	696	23	15,035	3.65	549	10-71		40	717	.08	33	53
51-17-0196	6971312	1261857	12-67	2	294	18,355	3.54	650	19	15,595	3.68	574	10-71		40	697	.04	31	47
51-17-0196	6971319	1331709	4-67	2	305	22,850	3.44	785	14	16,605	3.69	612	2-71		40	889	-.07	22	45
51-17-0196	6996957	1261857	3-68	1	305	18,120	4.03	731	15	15,750	3.56	561	4-71		36	617	.10	37	49
51-17-0197	7039752	1458744	1-68	3	305	23,393	3.30	771	12	15,110	3.75	567	4-72		42	1,396	-.07	39	74

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C O	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
51-17-0197	7209228	1347940	10-68	1	305	20,000	3.37	674	16	15,660	3.67	574	3-71		36	851	-.02	27	$ 48
51-17-0198	7029582	1261857	12-66	3	303	18,770	3.62	679	11	15,047	3.52	530	4-72		42	827	.07	40	58
51-17-0203	7075507	1347940	11-67	2	305	17,620	3.59	633	8	14,465	3.65	528	10-71		40	808	-.01	28	47
51-17-0211	7519255	1347940	12-68	1	305	16,460	3.96	652	15	13,350	3.85	514	12-71		36	742	.01	29	46
51-17-0213	7344346	1427381	10-68	1	305	16,730	3.79	634	13	15,120	3.34	505	5-71		36	893	.07	43	62
51-17-0215	7340406	1447141	5-69	1	305	21,290	3.62	771	12	16,200	3.65	592	1-72		36	635	.05	31	45
51-17-0215	7370082	1406271	1-69	1	305	19,290	3.47	670	7	14,040	3.76	528	8-71		36	797	.01	31	50
51-17-0217	6763030	1458744	1-67	4	305	19,782	3.25	642	16	16,162	3.74	605	3-72		44	894	-.08	20	43
51-17-0217	7302527	1242221	2-69	2	305	17,465	3.38	591	12	15,260	3.69	563	4-72		38	868	-.03	26	48
51-17-7207	5478789	1199324	8-61	2	305	16,955	3.83	649	21	14,405	3.77	543	7-71		40	721	.00	26	43
51-17-7207	6938475	1399824	7-67	1	305	17,170	4.69	805	24	15,120	3.86	583	11-71		36	503	.10	33	42
51-17-7207	7213163	1399824	11-68	2	305	20,265	3.77	765	12	15,190	3.75	569	3-72		40	848	.03	35	54
51-17-7216	7071140	1300014	3-68	2	305	24,785	3.14	779	6	15,265	3.66	559	7-71		40	1,233	-.14	23	56
51-17-9120	6926991	1406271	1-66	4	303	17,428	3.74	652	37	15,370	3.71	570	9-71		44	629	.04	29	43
51-17-9120	6959463	1406271	2-66	4	302	18,878	3.75	708	36	15,055	3.68	554	9-71		44	843	.04	37	56
51-17-9120	7381314	1376810	10-67	2	305	26,115	3.30	863	37	15,305	3.72	570	9-71		40	1,308	-.08	34	68
51-17-9120	7608651	1447141	7-68	2	296	23,985	3.13	750	36	15,790	3.60	568	9-71		40	1,074	-.02	35	61
51-17-9120	7636515	1536302	8-68	2	305	22,700	3.45	784	29	15,960	3.71	592	11-71		29	1,016	-.06	27	53
51-17-9128	7553383	1347940	11-69	1	305	15,390	3.63	558	20	11,910	3.62	431	11-71		36	759	.00	28	46
52-04-0003	7027464	1491006	12-67	2	305	21,975	3.39	746	22	15,995	3.70	592	6-71		29	777	-.03	24	43
52-04-0003	7119670	1491007	4-68	2	305	19,105	3.40	650	38	15,845	3.85	610	10-71		40	835	-.04	24	45
52-04-0011	6968449	1491007	1-68	1	305	21,460	3.44	738	30	17,600	3.63	639	11-70		35	834	-.01	29	49
52-04-0011	7110317	1347940	5-68	1	305	20,780	3.58	744	30	16,030	3.58	574	5-71		36	884	.00	32	53
52-04-0011	7217871	1491007	11-68	1	305	16,430	4.25	698	35	14,710	3.60	530	8-71		35	651	.06	33	47
52-04-0011	7342650	1347940	6-69	1	305	20,690	3.33	688	27	16,710	3.54	592	12-71		36	832	-.03	26	47
52-04-0011	7407905	1406271	9-69	1	305	22,310	2.98	664	23	17,550	3.54	622	2-72		36	786	-.03	24	43
52-04-0011	7407906	1406271	9-69	1	305	20,530	3.77	774	23	17,550	3.54	622	2-72		36	654	.06	32	46
52-04-0030	7342349	1491007	1-69	2	305	21,600	3.89	841	29	18,135	3.58	650	2-72		40	879	.05	40	59
52-04-0030	7607479	1441440	1-70	1	305	21,850	3.84	839	36	18,160	3.62	658	2-72		36	696	.05	32	47
52-07-0013	7463775	1491007	2-68	2	305	17,850	3.23	577	10	13,615	3.45	470	1-72		40	911	-.03	29	51
52-07-0037	6877437	1261857	3-67	3	294	18,150	3.70	671	19	14,933	3.60	538	3-71		42	767	.07	38	54
52-07-0055	5867867	1189679	9-62	5	293	21,574	3.10	668	24	16,226	3.42	555	10-71		44	1,085	-.10	24	53
52-07-0055	6952336	1316112	2-66	3	305	21,330	3.80	811	21	17,430	3.30	576	6-71		42	424	.14	36	42
52-07-0055	7139908	1379208	7-67	3	305	22,760	3.46	787	13	17,727	3.59	637	4-72		42	903	-.02	30	52
52-07-0055	7591772	1303900	8-69	1	305	28,470	3.39	966	19	17,040	3.73	635	12-71		34	1,301	-.09	33	64
52-07-0095	6982764	1364243	11-67	2	305	22,770	3.46	788	15	14,315	3.65	522	6-71		40	766	-.02	24	43
52-07-0096	6387113	1244009	9-65	4	301	20,313	3.10	630	34	15,125	3.43	519	9-71		44	1,045	-.10	23	51
52-07-0096	6691026	1448297	8-66	3	305	20,476	2.96	606	30	15,060	3.37	508	9-71		41	962	-.11	18	44
52-07-0099	7406660	1347940	7-69	1	301	20,480	3.73	764	27	16,730	3.57	598	1-72		36	815	.02	32	51
52-07-0103	6612949	1473133	6-66	4	266	21,010	3.01	632	14	14,815	3.40	503	3-72		36	958	-.11	17	43
52-07-0115	7790374	1491007	4-69	1	301	19,170	3.68	705	26	15,830	3.46	547	7-71		35	782	.03	32	5
52-09-0092	7170742	1491007	12-67	1	305	18,900	3.29	622	18	16,080	3.58	575	1-71		35	744	-.02	24	42
52-09-0092	7208614	1491007	2-68	2	303	18,130	3.68	667	19	15,855	3.51	557	3-71		40	734	.02	30	47
52-09-0092	7392573	1491007	3-68	1	305	21,720	3.14	683	24	14,310	3.34	478	8-71		35	1,078	-.02	36	62
52-09-0092	7392575	1491007	4-69	1	305	16,910	3.35	567	24	14,310	3.34	478	8-71		35	714	.01	27	44
52-09-0092	7408773	1491007	3-68	1	305	19,210	3.51	674	22	15,670	3.45	540	3-71		35	796	.02	31	5
52-11-0006	7013898	1491007	1-68	2	297	20,760	3.28	681	14	15,405	3.48	536	2-72		40	1,044	-.02	34	6.
52-11-0007	6957298	1491007	10-67	2	305	17,905	3.24	580	13	14,980	3.55	532	3-71		40	792	-.03	24	44
52-12-0005	6929993	1491007	10-67	2	305	20,905	3.31	691	81	15,240	3.50	534	9-71		40	1,074	-.02	35	61
52-12-0005	7297065	1491007	10-68	2	304	19,065	3.35	638	45	16,650	3.36	560	2-72		40	757	.00	27	45
52-12-0005	7297068	1491007	2-69	1	305	19,230	3.61	694	97	15,240	3.50	534	9-71		35	826	.01	32	51
52-12-0005	7297069	1491007	2-69	1	303	18,950	3.45	654	74	15,150	3.49	529	7-71		35	811	.00	30	49
52-12-0005	7297072	1491007	3-69	1	171	20,860	3.52	735	55	16,720	3.33	557	1-72	B	35	849	.02	34	54
52-12-0005	7297081	1347940	10-68	1	305	17,680	3.70	655	63	15,410	3.50	539	6-71		36	695	.02	28	44
52-12-0011	5873226	1189870	3-63	5	300	17,684	4.07	720	16	14,802	3.59	532	2-71		44	574	.08	33	44
52-12-0012	6918480	1464746	8-66	4	300	17,935	3.98	714	29	14,210	3.57	507	2-72		37	697	.07	35	5.
52-12-0016	7437221	1347940	10-69	1	305	16,220	3.57	579	5	13,790	3.55	489	3-72		36	695	.00	25	42
52-12-0020	6414060	1239886	12-65	4	229	18,915	3.29	622	14	13,795	3.52	486	5-71	A	44	745	-.01	25	43
52-15-0001	5249143	1189679	1-61	9	304	17,388	3.66	636	29	13,740	3.49	479	10-71		44	833	-.01	29	49
52-15-0001	5415988	1189679	6-61	8	304	19,016	3.36	639	25	13,986	3.47	485	11-71		44	1,015	-.05	29	55
52-15-0001	7217478	1491007	6-68	2	305	20,285	3.78	767	52	13,975	3.44	481	10-71		40	1,127	.05	48	74
52-15-0001	7303985	1347940	11-68	1	282	18,070	3.57	645	30	13,230	3.39	449	7-71		36	870	.01	33	53
52-15-0001	7320433	1347940	12-68	1	305	16,650	3.59	597	30	13,230	3.39	449	7-71		36	764	.01	29	47
52-16-0002	6786838	1261857	3-67	1	305	18,450	3.72	686	31	16,410	3.59	589	9-71		36	598	.07	32	44
52-16-0002	7607949	1387978	10-69	1	305	20,990	3.56	747	29	16,500	3.60	594	3-72		36	779	-.01	26	45
52-17-0033	7163916	1434756	4-68	1	304	22,870	3.69	845	29	16,110	3.72	600	10-71		35	701	.00	25	42
52-17-0033	7335749	1491007	9-68	1	301	20,790	3.26	677	16	17,360	3.56	618	1-72		35	800	-.02	26	40
52-19-0007	7473703	1427381	10-68	2	302	22,645	3.51	794	33	17,985	3.61	650	12-71		40	1,231	.02	48	77
52-19-0025	6757313	1261857	10-66	4	295	17,990	3.30	594	44	13,313	3.83	510	1-72		44	947	-.01	32	55
52-21-0001	7142408	1491007	8-68	2	305	21,390	3.28	702	66	14,005	3.56	498	1-72		40	1,237	-.04	39	59
52-21-0001	7148803	1347940	8-68	2	297	19,165	3.34	640	64	14,490	3.54	513	11-71		40	963	-.03	30	54
52-21-0001	7198955	1347940	11-68	1	305	18,160	3.19	580	37	15,200	3.38	513	2-71		36	745	-.02	24	42
52-21-0001	7218441	1491007	12-68	1	305	16,880	3.42	577	47	14,620	3.47	507	5-71		35	691	.01	26	42
52-21-0001	7218442	1347940	12-68	1	305	19,160	3.42	655	38	15,360	3.40	522	3-71		36	809	.00	29	45
52-21-0001	7289089	1347940	1-69	2	305	20,165	3.67	741	42	14,630	3.46	506	2-72		40	1,051	.02	41	65
52-21-0001	7427775	1458744	9-69	1	215	19,440	3.72	723	70	14,080	3.64	512	11-71	A	36	876	.00	32	53
52-23-0029	6402972	1427412	9-65	4	305	18,945	3.44	652	38	15,110	3.70	559	10-71		36	1,049	-.08	26	53
52-23-0029	6677980	1347940	12-66	4	305	18,745	3.64	682	22	15,080	3.61	544	1-72		44	921	.01	34	56
52-23-0029	6968448	1491007	1-68	2	299	17,085	3.45	590	37	14,335	3.77	540	7-71		40	767	-.02	24	43
52-23-0029	7210035	1491007	10-68	1	305	19,700	3.44	677	19	15,870	3.81	605	4-71		35	819	-.02	26	40
52-23-0029	7210036	1491007	11-68	1	305	19,520	4.49	876	37	14,340	3.77	540	7-71		35	909	.09	46	65
52-23-0029	7210037	1491007	11-68	1	305	20,050	3.19	639	25	15,440	3.78	584	5-71		35	875	-.04	25	47
52-23-0035	7118043	1491007	8-68	1	305	16,620	3.85	640	31	14,980	3.72	557	9-71	B	35	647	.02	27	42
52-23-0042	5913056	1263152	10-63	6	303	20,842	3.86	805	26	16,532	3.60	595	5-71		44	603	.06	31	44
52-23-0042	6369500	1189870	6-65	5	305	21,720	3.66	795	30	16,570	3.65	604	2-72		44	890	.01	34	55

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C D	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
52-23-0042	6594850	1376810	6-66	3	305	23,760	3.63	862	27	17,323	3.57	619	3-71		42	974	-.01	33	$ 57
52-23-0042	7156508	1491007	8-68	2	299	21,500	3.32	714	41	16,665	3.79	632	11-71		40	1,004	-.05	28	53
52-23-0042	7156509	1491007	9-68	1	305	19,450	3.98	775	45	16,020	3.78	605	11-70		35	790	.04	34	52
52-23-0042	7374943	1491007	5-69	1	305	20,870	3.54	739	38	16,130	3.80	613	8-71		35	890	-.01	31	52
52-23-0042	7374944	1491007	5-69	1	305	19,990	3.14	627	36	16,720	3.71	620	7-71		35	783	-.04	22	42
52-23-0054	5365601	1352169	1-61	9	305	20,904	3.63	759	15	16,299	3.67	598	3-72		35	768	.00	28	46
52-23-0059	7442072	1491007	9-68	1	305	18,670	3.21	599	25	15,670	3.54	555	7-71		35	755	-.02	24	43
52-23-0063	6864305	1375426	3-66	3	305	20,020	3.92	785	13	14,516	3.52	511	5-71		32	769	.07	38	54
52-23-0067	7025353	1360676	1-68	2	300	19,055	3.35	638	36	15,730	3.39	533	5-71		39	777	.00	28	47
52-23-0082	7146802	1347940	7-68	2	305	19,460	3.58	697	32	14,775	3.64	538	3-72		40	967	-.01	34	57
52-23-0082	7274826	1491007	12-68	1	305	18,270	3.00	549	47	14,600	3.58	523	8-71		35	797	-.04	22	42
52-23-0082	7275611	1491007	12-68	1	305	17,510	4.07	713	43	15,210	3.55	540	7-71		35	699	.06	34	49
52-23-0087	6702543	1455922	9-66	3	304	20,186	3.65	736	22	12,793	3.65	467	7-71		36	971	.03	39	61
52-23-0087	6753423	1457729	1-67	3	268	20,140	3.37	678	16	15,120	3.52	532	1-72	B	33	760	-.03	23	42
52-24-0003	5467647	1359829	11-61	6	305	18,872	3.50	661	32	13,960	3.58	500	7-71		35	801	.00	29	48
52-24-0003	5786090	1237057	10-62	7	292	20,440	3.48	712	33	14,647	3.55	520	1-72		44	1,010	-.05	29	54
52-24-0003	6742161	1471627	9-66	2	305	21,780	3.55	773	36	15,275	3.40	520	12-70		30	807	-.01	28	47
52-28-0005	7023722	1347940	11-67	3	294	21,430	3.70	793	43	17,536	3.52	618	12-71		42	955	.02	38	60
52-28-0005	7023723	1347940	11-67	2	303	21,260	3.82	812	45	17,830	3.61	644	4-71		40	870	.03	36	56
52-28-0005	7023724	1347940	12-67	3	264	19,450	3.56	693	34	17,343	3.51	608	3-72		42	747	.01	28	46
52-28-0011	7226167	1491007	1-69	1	305	17,420	3.74	651	16	14,620	3.60	526	10-71		35	732	.02	30	47
52-29-0003	6261630	1410984	11-64	4	303	22,775	3.40	775	47	15,410	3.72	574	11-70		44	794	-.02	25	45
52-29-0003	6821179	1460141	1-67	3	305	20,213	3.86	781	61	15,353	3.68	565	11-71		32	775	.03	32	50
52-29-0003	7345517	1512382	8-68	2	299	20,460	3.46	708	63	15,440	3.69	569	10-71		29	782	-.04	22	42
52-29-0003	7503438	1458744	7-69	1	305	22,970	3.22	739	66	16,170	3.56	576	12-71		36	999	-.05	29	54
52-29-0003	7578000	1426616	9-69	1	305	20,470	3.60	737	68	16,320	3.51	573	1-72		33	745	.00	27	45
52-29-0011	6156468	1389602	6-63	5	305	20,710	3.38	699	39	16,116	3.62	583	8-71		36	957	-.05	27	51
52-29-0011	6883317	1389602	8-67	2	305	22,115	3.17	700	22	17,105	3.46	592	4-72		30	892	-.07	22	45
52-29-0011	6897873	1389602	8-67	2	299	20,235	4.03	816	43	16,085	3.54	569	8-71		30	779	.07	38	55
52-29-0012	6917600	1471492	4-67	2	305	20,610	3.39	699	24	13,025	3.69	480	5-71		25	942	-.04	28	52
52-29-0091	6437531	1291498	1-66	5	303	21,446	3.19	685	15	14,598	3.53	515	3-72		44	1,017	-.08	24	50
52-29-0102	6783635	1458744	12-66	3	305	20,920	3.48	729	17	15,753	3.66	577	6-71		42	1,045	-.03	33	59
52-29-0113	6537130	1452421	1-66	3	305	17,173	4.30	739	19	14,893	3.57	531	2-72		34	572	.11	37	48
52-32-0006	7501235	1491007	11-69	1	305	26,060	2.79	728	21	17,790	3.71	660	1-72		35	1,169	-.10	27	58
52-32-0016	6713905	1290182	12-66	3	305	22,063	3.61	797	7	16,167	3.76	608	7-71		42	737	-.01	25	43
52-32-0017	7143229	1347940	7-68	2	304	19,905	3.39	675	22	15,565	3.69	574	3-72		40	940	-.04	28	51
52-32-0017	7219635	1491007	9-68	2	305	19,570	3.77	737	24	15,405	3.64	561	2-72		40	922	.02	37	58
52-32-0018	6594836	1376810	8-66	4	300	18,945	3.71	703	26	13,642	3.59	490	9-71		43	836	.00	30	50
52-32-0021	7099591	1347940	7-68	1	305	15,480	3.59	556	7	13,060	3.47	453	2-71		36	689	.01	26	42
52-32-0021	7099592	1347940	7-68	1	305	15,810	3.89	615	17	11,690	3.70	432	10-71		36	805	.02	32	51
52-32-0021	7099593	1347940	7-68	2	288	16,685	3.31	553	5	13,270	3.55	471	3-72		40	823	-.03	25	45
52-32-0021	7195972	1347940	4-68	1	305	18,040	3.24	584	6	12,360	3.54	437	3-71		36	926	-.03	29	52
52-32-0021	7195975	1347940	9-68	1	305	18,950	3.22	611	9	12,280	3.62	445	4-71		36	999	-.03	31	56
52-32-0021	7195977	1347940	11-68	2	304	17,610	3.90	686	6	13,770	3.59	495	2-72		40	871	.03	36	56
52-32-0021	7195978	1347940	11-68	1	305	15,230	3.52	536	25	12,090	3.57	432	9-71		36	735	.00	26	44
52-32-0021	7248992	1347940	10-68	1	305	16,570	3.16	523	6	12,360	3.54	437	3-71		36	817	-.03	25	45
52-32-0030	5542000	1263152	9-61	7	304	20,304	3.42	695	13	14,161	3.61	511	2-71		44	809	-.01	27	47
52-32-0035	6130783	1189679	2-64	6	299	19,475	3.81	742	34	15,685	3.70	581	11-71		44	877	.00	31	52
52-32-0035	7194829	1491007	8-68	1	305	19,370	3.96	768	41	15,880	3.78	600	8-70		35	793	.04	34	52
52-32-0035	7325171	1491007	12-68	1	305	19,170	4.34	832	18	16,530	3.70	611	12-70		35	734	.08	38	53
52-32-0035	7325172	1491007	12-68	2	305	18,735	3.70	694	21	17,095	3.62	618	1-72		40	682	.02	28	44
52-32-0035	7387862	1491007	3-69	1	305	19,650	3.10	610	19	15,900	3.60	573	5-71		35	813	-.04	23	43
52-32-0038	7331832	1491007	8-68	1	305	21,410	3.26	699	19	16,710	3.63	606	4-71		35	891	-.03	28	5
52-32-0038	7375470	1447141	7-69	1	305	20,190	3.48	703	17	16,240	3.16	513	3-72		36	551	.07	31	42
52-32-0038	7567204	1355784	8-69	1	305	22,060	3.22	710	33	16,290	3.42	557	10-71		35	964	-.10	20	45
52-32-0062	7118472	1347940	8-68	2	305	22,255	3.31	736	18	16,065	3.52	566	3-72		40	1,132	-.04	35	53
52-32-0062	7201180	1447141	11-68	1	245	19,950	3.70	739	34	15,420	3.68	567	5-71	B	36	588	.06	30	42
52-32-0062	7390778	1406271	8-69	1	305	18,540	3.59	666	50	13,530	3.61	488	9-71		36	775	.03	33	51
52-32-0065	7251716	1347940	7-68	1	305	15,820	3.89	616	14	14,070	3.51	494	4-71		36	646	.03	28	43
52-32-0067	6065344	1369029	11-63	6	304	19,818	3.87	766	11	16,050	3.55	570	10-71		44	636	.07	33	45
52-32-0067	7163824	1447141	10-68	2	305	20,650	3.59	741	10	16,945	3.62	614	3-72		40	630	.05	30	44
52-32-0080	6802354	1347940	11-66	2	299	19,240	3.26	627	20	13,245	3.63	481	12-70		40	1,064	-.05	32	59
52-32-0084	7208316	1347940	7-68	1	305	18,080	3.69	668	47	14,520	3.71	539	8-71		36	764	.00	29	45
52-33-0001	7193090	1491007	9-68	1	305	19,030	4.17	794	21	16,910	3.86	653	3-72		35	698	.05	32	47
52-33-0001	7193091	1347940	9-68	1	305	17,300	3.71	642	29	14,940	3.71	554	2-71		36	698	.01	26	42
52-33-0001	7323479	1347940	3-69	1	305	18,770	3.47	652	21	15,700	3.72	584	7-71		36	757	-.02	24	43
52-33-0001	7432536	1491007	4-69	1	305	18,140	4.04	733	20	15,110	3.67	554	6-71		35	753	.05	34	51
52-37-0025	7123881	1493686	4-68	1	305	20,040	3.62	726	22	17,320	3.51	608	9-70		35	652	.04	30	44
52-37-0034	6893361	1347940	8-67	2	305	18,890	3.53	667	12	12,995	3.64	473	10-70		40	1,071	-.01	37	53
52-42-0004	6987790	1261857	4-66	4	305	18,510	3.35	620	164	15,273	3.48	532	11-71		44	793	.03	33	51
52-42-0004	7175593	1261857	11-66	3	305	18,343	3.77	691	153	15,507	3.43	532	12-71		42	730	.10	41	55
52-42-0004	7213452	1268297	1-66	4	305	17,553	3.90	685	166	15,313	3.47	532	11-71		43	476	.11	34	42
52-42-0004	7342877	1261857	8-67	2	305	21,280	3.46	736	117	16,255	3.45	560	2-71		40	934	.05	41	52
52-42-0005	5888477	1320306	10-63	5	305	25,728	3.55	913	28	18,000	3.66	658	11-71		42	1,271	-.01	45	75
52-42-0005	6525098	1320306	10-64	5	267	19,886	3.70	736	55	16,528	3.61	597	9-71		42	666	.03	29	44
52-42-0005	6987785	1315498	4-66	3	305	24,440	3.49	853	27	18,100	3.65	661	4-71		42	773	-.03	23	42
52-42-0007	6589421	1441440	2-66	3	305	20,133	3.91	788	50	13,883	3.90	542	4-72		42	1,070	.04	45	55
52-42-0007	6629835	1441440	5-66	3	305	22,660	3.56	806	45	15,486	3.98	617	5-71		42	1,194	-.03	39	58
52-42-0007	6629837	1441440	5-66	4	305	17,972	3.84	691	49	14,790	3.94	583	2-72		44	747	.02	30	47
52-42-0007	6739049	1392774	9-66	3	302	21,003	4.01	842	48	15,163	3.90	592	1-72		42	703	.05	33	45
52-42-0007	6823991	1399824	1-67	3	290	16,913	4.18	707	62	14,543	3.89	566	11-71		42	588	.07	31	43
52-42-0007	6832316	1399824	1-67	3	297	19,267	3.89	750	45	14,820	3.95	586	10-71		42	830	.03	34	53
52-42-0007	7077178	1399824	9-67	2	305	21,220	3.71	788	46	16,120	3.90	629	4-71		40	860	.01	32	52
52-42-0007	7202980	1441440	6-68	2	305	19,755	3.46	684	59	14,925	3.89	581	12-71		40	865	-.02	28	49
52-42-0007	7202986	1347940	7-68	2	305	19,170	4.12	790	54	14,940	3.86	577	1-72		40	922	.04	40	61

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C O	REPT (%)	.......C O W MILK (LB)	I N D E X....... FAT (%)	FAT (LB)	DOL-LARS
52-42-0007	7202987	1347940	7-68	1	305	18,840	3.56	670	59	15,380	3.84	590	12-70		36	783	-.02	25	$ 44
52-42-0013	6810516	1261857	2-67	3	305	17,597	3.63	638	49	16,060	3.43	551	4-72		42	587	.08	33	45
52-43-0018	7222779	1347940	12-68	1	305	26,260	3.46	908	30	16,070	3.52	565	5-71		36	1,290	-.01	45	76
52-43-0018	7288451	1408080	9-68	1	305	22,410	3.46	776	28	16,640	3.47	578	4-71		36	794	-.04	23	43
52-43-6013	6397959	1421505	8-65	3	305	20,663	3.43	709	105	14,643	3.54	518	10-71		42	874	-.06	23	45
52-43-6013	6797405	1308796	2-67	3	305	21,807	3.59	782	76	14,970	3.55	532	8-71		42	853	-.03	26	47
52-43-6013	6822445	1427412	3-67	2	305	18,250	3.22	588	116	15,185	3.50	531	12-70		32	894	-.08	20	43
52-43-6013	7130640	1347940	6-68	2	305	21,265	3.38	718	93	14,815	3.61	535	9-71		40	1,146	-.03	36	64
52-43-6013	7130641	1347940	6-68	2	305	19,100	3.41	652	129	15,175	3.51	533	1-72		40	894	-.01	30	52
52-43-6013	7130643	1347940	6-68	2	305	20,750	3.37	700	96	15,125	3.52	532	4-72		40	1,066	-.02	35	61
52-43-6013	7260259	1434756	10-68	2	305	21,930	3.42	749	148	15,910	3.49	556	1-72		40	796	-.02	26	45
52-43-6013	7400641	1427412	7-69	1	305	20,840	3.25	677	107	16,070	3.55	571	11-71		26	1,000	-.08	24	50
52-43-6013	7400642	1427412	7-69	1	305	19,330	3.50	676	158	16,050	3.50	561	2-72		26	871	-.04	25	47
52-47-0006	7068188	1261857	2-68	2	305	19,890	2.95	586	24	13,495	3.45	466	10-71		40	1,045	-.02	35	60
52-50-0006	6282514	1427412	1-65	3	292	16,706	3.30	552	37	13,950	3.35	467	8-70		34	869	-.05	23	45
52-53-0005	7267311	1491007	7-68	2	305	17,785	4.22	751	20	16,260	3.67	597	3-72		40	662	.07	35	49
52-53-0005	7267312	1491007	8-68	1	305	20,200	3.23	653	20	16,780	3.68	618	3-71		35	795	-.03	24	44
52-53-0005	7267313	1491007	9-68	2	305	21,010	3.46	727	23	15,500	3.76	583	10-71		40	1,061	-.03	34	60
52-53-0005	7375945	1491007	10-68	2	305	18,190	3.74	680	25	16,445	3.65	600	2-72		40	686	.02	28	44
52-53-0005	7375946	1491007	10-68	2	305	22,380	3.66	819	25	16,295	3.68	599	1-72		40	1,127	.01	42	69
52-53-0005	7566404	1347940	4-69	1	305	21,330	3.21	685	24	15,950	3.71	591	3-72		36	931	-.05	26	50
52-53-0005	7630574	1399824	12-68	1	305	20,810	3.80	790	23	16,770	3.77	632	2-71		36	664	.03	28	43
52-53-0005	7734104	1491007	6-69	1	305	19,990	3.11	622	41	16,130	3.62	584	12-71		35	823	-.04	24	45
52-53-0050	6671531	1330987	7-66	3	300	20,910	3.65	763	37	15,990	3.68	588	10-71		42	873	.03	36	56
52-53-0053	6738757	1347940	11-65	3	305	18,330	3.70	678	19	13,776	3.49	481	4-72		42	987	.02	39	62
52-53-0059	6970259	1387978	2-68	2	303	15,765	4.63	730	30	14,255	3.92	559	8-71		40	556	.07	31	42
52-53-0059	7149448	1387978	7-68	2	293	19,525	3.93	767	21	14,645	3.82	559	3-72		40	902	.02	35	56
52-53-0059	7440898	1347940	8-69	1	305	17,770	3.95	702	34	14,260	3.93	561	9-71		36	779	.01	30	48
52-53-0067	6334758	1441298	5-65	5	305	18,288	3.62	662	38	15,060	3.78	569	9-71		42	1,046	-.07	27	54
52-53-0067	6399587	1441298	6-65	2	305	20,835	3.44	716	41	16,875	3.72	628	2-71		38	1,097	-.09	25	54
52-53-0067	6399588	1441298	6-65	2	305	20,940	3.72	780	40	16,790	3.73	627	2-71		38	1,116	-.05	32	60
52-53-0067	6399591	1441298	9-65	4	305	19,995	3.61	722	38	16,250	3.75	609	1-72		41	1,118	-.07	29	56
52-53-0067	6399592	1441298	9-65	5	305	21,140	3.59	758	41	16,482	3.76	620	12-71		42	1,256	-.07	34	66
52-53-0067	6545911	1441298	1-66	4	305	19,702	3.56	701	38	15,392	3.74	575	9-71		41	1,179	-.07	31	61
52-53-0067	6813413	1348259	5-67	3	305	21,340	3.76	802	40	16,893	3.69	624	2-72		42	797	.02	32	50
52-53-0067	6849197	1406271	10-66	3	305	18,353	3.69	678	31	14,127	3.77	532	10-71		42	854	.03	35	55
52-53-0067	6874388	1441298	3-67	3	305	19,946	3.63	725	44	15,206	3.72	565	6-71		40	1,205	-.06	34	64
52-53-0067	6891810	1452421	7-67	3	305	20,667	3.54	731	48	15,027	3.73	560	9-71		34	1,018	-.03	32	57
52-53-0067	6999864	1347940	8-66	3	245	19,080	4.02	767	43	15,340	3.70	567	6-71	8	42	912	.05	40	60
52-53-0091	5880553	1278644	9-63	6	302	20,896	3.92	819	20	18,511	3.62	670	10-70		44	677	.01	26	42
52-53-0122	7245495	1427381	10-68	2	267	18,390	3.70	680	30	16,735	3.57	597	12-71	B	40	913	.05	41	61
52-53-0126	4977892	1249424	12-58	8	305	24,553	3.13	768	10	15,604	3.61	564	4-71		43	1,147	-.12	22	53
52-53-0128	5500851	1189679	12-61	7	303	18,811	3.79	712	9	15,967	3.69	589	2-72		44	759	-.01	26	44
52-53-0128	6893362	1347940	8-67	2	295	18,475	3.62	668	15	16,770	3.52	591	3-72		40	684	.01	26	42
52-53-0142	7077832	1347940	9-67	2	305	18,590	3.50	651	16	14,930	3.74	558	1-72		40	864	-.03	27	48
52-53-0142	7460742	1491007	10-69	1	305	18,460	3.35	619	18	13,700	3.62	496	8-71		35	873	-.02	29	50
52-53-0147	7443690	1347940	7-68	2	297	21,600	3.15	680	5	13,685	3.52	482	10-71		40	1,283	-.06	37	69
52-53-0163	6601609	1347940	7-66	3	305	18,893	3.51	663	12	16,423	3.67	603	4-71		42	778	-.02	25	44
52-53-0163	6851402	1357797	8-67	3	305	19,097	3.97	758	13	17,123	3.54	606	4-72		42	472	.15	40	47
52-53-0163	7020710	1347940	11-67	2	305	19,275	3.69	712	15	16,000	3.79	607	7-71		40	836	-.01	29	49
52-53-0163	7020714	1347940	2-68	2	305	18,850	3.78	712	11	16,685	3.64	608	3-71		40	730	.02	29	46
52-53-0163	7159988	1357797	7-68	2	305	17,845	4.11	734	15	15,420	3.74	577	11-71		40	475	.14	38	46
52-53-0163	7178451	1357797	6-68	2	304	18,875	4.16	785	14	14,875	3.80	565	8-71		40	630	.15	45	56
52-53-0163	7178453	1399824	10-68	2	305	19,415	3.86	749	18	16,630	3.73	621	2-72		40	630	.04	29	43
52-53-0185	7157510	1447141	9-68	1	305	21,270	3.84	817	21	17,890	3.24	580	2-71		36	521	.11	35	44
52-53-0185	7480522	1447141	8-69	1	305	20,700	3.48	721	9	15,630	3.03	473	11-71		36	630	.08	35	48
52-53-0191	6544393	1463389	5-66	4	302	19,283	3.45	665	34	14,023	3.72	522	6-71		30	794	-.04	22	42
52-53-0191	6678013	1406271	10-66	4	304	16,025	3.80	609	53	14,078	3.71	522	3-72		44	599	.05	29	42
52-53-0191	7611603	1427381	9-69	1	305	15,890	4.55	723	51	14,330	3.63	520	2-72		36	863	.11	49	67
52-53-0200	7316519	1491007	4-68	2	305	23,915	3.67	878	29	16,240	3.74	607	6-71		40	1,289	.00	47	73
52-53-0200	7316526	1347940	12-68	2	297	21,335	4.44	948	9	17,930	3.72	667	3-72		40	869	.10	47	65
52-53-0200	7462401	1347940	7-69	1	305	21,130	4.16	878	21	17,070	3.69	630	11-71		36	841	.05	38	57
52-53-0205	6453641	1394611	1-66	4	299	16,697	3.35	559	6	11,115	3.53	392	1-72		36	843	-.06	21	43
52-53-0208	6851403	1347940	6-67	2	305	15,630	3.83	598	10	11,590	3.79	439	7-71		40	869	.01	33	53
52-53-0209	7252713	1347940	1-69	1	305	18,750	3.56	667	17	14,060	3.64	512	7-71		36	865	-.01	30	51
52-53-0209	7781987	1360676	7-69	1	305	19,370	3.51	680	13	16,660	3.54	589	3-72		35	671	.01	26	42
52-53-0212	7245493	1347940	12-68	2	272	17,215	3.45	594	6	14,395	3.34	481	1-72		40	773	.00	28	46
52-53-0212	7618370	1347940	8-69	1	305	17,410	3.40	592	6	14,590	3.24	473	2-72		36	730	.00	27	44
52-54-0002	5885124	1369029	8-63	6	302	20,523	3.74	768	32	14,973	3.69	553	1-71		44	854	.03	35	55
52-54-0002	6204237	1435713	8-64	5	304	19,160	3.74	716	42	14,072	3.75	528	11-71		35	905	.00	33	54
52-54-0002	7146806	1491007	8-68	2	305	17,525	3.94	690	42	14,570	3.71	541	12-71		40	790	.04	34	52
52-54-0002	7287610	1347940	12-68	1	305	16,950	3.59	608	44	13,970	3.59	502	6-71		36	737	.00	27	44
52-54-0002	7287617	1491007	11-68	1	305	19,110	3.23	617	39	14,260	3.61	515	5-71		35	884	-.03	28	5
52-54-0002	7287618	1491007	12-68	1	305	16,760	3.51	588	39	14,260	3.61	515	5-71		35	707	.00	26	43
52-54-0011	5420254	1189679	7-61	7	302	18,951	3.43	650	13	15,397	3.66	564	5-71	H	44	843	-.06	21	43
52-54-0011	6610509	1469465	8-66	3	305	19,747	3.81	752	18	15,500	3.54	549	11-71		29	621	.05	30	43
52-56-0013	7231371	1347940	1-69	1	305	17,890	3.40	609	53	14,790	3.59	531	6-71		36	752	-.01	25	43
52-56-0015	6057365	1320306	12-63	2	305	20,100	3.33	669	20	13,770	3.59	495	9-71		38	864	-.02	28	49
52-56-0023	6418493	1336050	8-65	3	303	15,957	3.40	543	21	12,533	3.48	436	6-71		42	792	-.01	27	46
52-56-0034	6221195	1383926	12-64	5	305	20,464	3.22	658	39	14,958	3.72	556	5-71		44	919	-.05	25	48
52-56-0034	6308339	1386406	3-65	4	305	20,252	4.05	821	48	14,872	3.77	561	9-71		44	900	.07	43	63
52-56-0034	7052074	1360676	2-68	2	305	19,540	3.80	742	35	16,280	3.63	591	2-71		39	776	.04	34	51
52-56-0040	6040036	1347940	10-63	6	303	19,041	3.82	727	19	15,558	3.91	609	8-71		44	918	.00	33	55
52-56-0040	6694808	1347940	7-65	4	305	17,342	3.47	602	39	13,385	3.83	513	3-72		44	936	-.04	27	51
52-56-0040	7331882	1347940	4-69	1	305	16,450	3.64	599	36	13,070	3.89	508	7-71		36	760	-.01	26	44

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C D	REPT (%)	.......C O W MILK (LB)	I N D E X....... FAT (%)	FAT (LB)	DOL-LARS
52-56-0044	6631363	1460590	9-66	3	305	21,380	3.47	741	13	14,890	3.59	535	12-71		29	932	-.02	30	$ 53
52-58-0003	6899242	1347940	2-67	2	305	18,550	3.65	677	40	15,815	3.64	575	5-71		40	779	.00	28	47
52-58-0003	6899244	1379208	7-67	2	300	20,490	3.96	811	84	17,165	3.56	611	12-71		40	654	.06	33	47
52-58-0003	7177762	1491007	7-68	2	305	21,890	3.39	743	60	17,515	3.58	627	3-72		40	965	-.02	32	55
52-58-0003	7177766	1347940	7-68	2	300	20,900	3.68	769	83	16,770	3.54	594	1-72		40	931	.02	36	58
52-58-0003	7407184	1427381	8-69	1	305	24,340	3.06	745	76	18,990	3.57	677	2-72		36	1,200	-.02	40	69
52-58-0003	7423861	1447141	8-69	1	305	22,340	3.30	738	99	16,050	3.55	569	8-71		36	724	.03	30	47
52-58-0003	7423874	1355784	6-69	1	305	21,370	3.33	711	103	16,420	3.56	584	9-71		35	903	-.10	18	42
52-58-0003	7423875	1347940	2-69	1	305	20,360	3.25	662	60	16,470	3.56	586	4-71		36	824	-.03	25	45
52-58-0003	7423876	1347940	7-69	1	305	24,310	3.23	786	90	18,090	3.55	643	12-71		36	1,009	-.04	30	55
52-58-0003	7423877	1347940	7-69	1	302	19,900	3.46	689	100	16,440	3.56	585	9-71		36	791	-.01	27	46
52-58-0003	7423878	1347940	8-69	1	305	25,020	3.51	878	90	18,090	3.55	643	12-71		36	1,062	-.01	37	63
52-58-0003	7423879	1491007	2-69	1	305	19,040	3.99	760	102	16,370	3.56	582	9-71		35	735	.05	34	50
52-58-0003	7509945	1347940	9-69	1	305	23,160	3.33	771	100	16,440	3.56	585	9-71		36	1,034	-.03	33	58
52-58-0003	7673372	1491007	5-68	1	305	24,810	3.24	805	99	16,000	3.54	567	8-71		35	1,196	-.03	39	68
52-60-0002	7004911	1491007	12-67	2	294	18,735	4.06	761	24	16,935	3.63	614	6-71		40	697	.07	35	50
52-60-0002	7545584	1303900	9-69	1	305	22,260	3.22	716	35	16,040	3.59	576	9-71		34	892	-.09	18	42
52-60-0005	7017329	1491007	2-68	2	289	16,695	3.72	621	15	14,235	3.79	540	7-71		40	737	.00	27	44
52-60-0010	7349232	1491007	1-69	1	300	20,030	3.48	697	28	16,210	3.54	574	8-71		35	821	.00	30	49
52-60-6014	6210474	1414611	12-64	4	302	22,620	3.57	807	17	16,508	3.50	578	10-71		43	777	.01	29	47
52-60-6014	6919348	1236789	9-67	3	301	19,313	3.98	768	9	17,593	3.50	616	2-72		42	557	.07	31	42
52-60-6021	4907531	1189679	5-59	9	274	17,853	3.62	647	28	14,861	3.43	510	8-71		44	763	.00	27	45
52-60-6021	5501048	1369029	11-61	7	305	21,626	3.51	759	33	16,104	3.50	563	2-71		44	865	.01	33	53
52-60-6021	6861849	1347940	4-67	3	305	21,450	4.18	897	18	17,390	3.43	597	2-72		42	972	.11	52	72
52-60-6021	7460835	1355784	6-69	1	305	21,550	3.46	745	26	15,740	3.48	548	6-71		35	963	-.08	23	48
52-60-6036	6861850	1347940	4-67	3	236	19,536	3.03	592	12	16,300	3.40	555	6-71		42	865	-.07	21	43
52-61-6003	7110429	1417208	8-68	2	281	16,265	3.79	617	92	13,320	3.68	490	8-71		40	674	.02	28	43
52-61-6003	7528695	1458744	3-70	1	305	18,890	4.03	762	89	15,090	3.64	550	1-72		36	767	.03	32	49
52-67-0007	7369917	1427381	2-69	1	273	16,560	3.48	577	42	12,960	3.68	477	7-71		36	1,025	.03	41	65
52-67-0011	7187855	1427381	7-68	2	305	21,120	3.07	648	32	17,395	3.48	606	8-71		40	1,130	-.02	37	65
52-67-0036	6475707	1441440	2-66	4	305	20,162	3.32	670	26	17,067	3.35	572	12-71		44	764	.01	29	47
52-67-0036	6599547	1330987	3-66	3	305	21,867	3.21	703	22	17,263	3.33	575	8-71		42	851	.00	31	51
52-67-0036	6925799	1312008	12-67	2	299	22,165	3.42	757	21	17,000	3.46	588	12-71		40	648	.04	29	43
52-67-0036	7134485	1469957	7-68	2	305	23,220	3.13	726	18	17,280	3.48	601	4-72		30	867	-.06	22	44
52-68-0010	6935321	1449797	8-67	3	305	21,110	3.49	737	44	15,960	3.70	591	11-71		33	742	.00	27	45
52-68-0010	7591999	1399824	10-69	1	305	23,320	3.52	820	42	16,020	3.66	587	11-71		36	901	.01	34	55
52-68-0033	7273638	1387978	12-68	1	305	17,200	3.51	603	19	12,750	3.76	479	6-71		36	749	-.03	23	42
52-70-0018	6505448	1316112	1-66	3	305	16,517	4.03	665	14	11,527	3.39	391	8-71		42	482	.14	38	46
52-71-0007	6895630	1316112	7-67	1	305	24,210	4.45	1078	30	14,330	3.63	520	2-71		36	570	.17	50	61
52-71-0008	6533092	1446286	1-66	4	301	17,695	3.20	566	29	13,150	3.57	470	9-71		37	369	-.07	21	44
52-71-0008	7090625	1491007	2-68	2	305	17,050	3.35	571	30	13,175	3.51	462	8-71		40	870	-.02	29	50
52-71-0008	7090625	1491007	2-58	2	284	16,695	3.49	583	30	13,560	3.50	474	7-71		40	799	.00	29	48
52-72-0012	6881791	1475006	4-67	3	305	18,263	2.99	546	54	12,680	3.56	451	1-72		32	895	-.09	18	42
52-72-0022	5593842	1189679	6-60	10	302	19,624	3.86	757	23	15,950	3.65	582	2-72		44	865	.01	33	53
52-72-0022	6234693	1263152	10-64	5	305	21,956	3.80	834	23	16,876	3.63	613	4-72		44	707	.05	33	46
52-72-0022	7219969	1491007	11-68	1	305	22,180	3.50	777	40	19,170	3.81	731	1-71		35	782	-.02	25	44
52-72-0022	7345735	1491007	2-69	2	305	21,635	3.57	773	36	18,870	3.73	703	1-72		40	815	-.01	28	48
52-72-0022	7345740	1347940	6-69	1	305	19,230	3.45	664	39	15,990	3.80	608	8-71		36	772	-.03	24	43
52-72-0022	7509345	1347940	8-69	1	305	19,930	3.86	769	37	16,250	3.75	610	9-71		36	806	.01	31	50
52-72-0028	6472532	1244009	1-56	4	301	20,655	3.61	745	28	14,305	3.61	516	9-71		44	1,179	-.03	38	67
52-72-0028	6734532	1261857	1-67	3	305	18,187	3.37	612	27	15,373	3.56	547	12-71		42	726	.03	30	47
52-72-0028	6850494	1261857	6-67	3	285	17,847	3.71	663	27	14,767	3.60	531	12-71		42	750	.07	38	54
52-73-0004	6957297	1491007	9-67	2	305	17,975	2.94	528	24	14,405	3.46	499	7-71		40	651	-.06	22	44
52-73-0004	7386543	1427381	8-69	1	305	16,010	3.72	595	23	12,830	3.59	461	9-71		36	993	.05	43	65
52-75-0040	6530943	1452882	12-65	5	305	22,786	3.21	732	17	15,360	3.76	577	1-72		36	1,286	-.11	29	63
52-75-0040	6999617	1417208	10-66	3	305	19,097	4.41	842	18	15,517	3.76	583	8-71		42	798	.11	45	61
52-77-0011	5629561	1189679	9-62	7	303	21,073	2.99	630	26	14,589	3.61	526	1-72		44	1,210	-.13	23	56
52-77-0011	5646259	1189870	12-61	4	282	18,215	4.04	736	34	15,093	3.60	543	10-71		44	594	.07	32	44
52-77-0011	7463809	1447141	11-69	1	305	22,960	3.37	774	23	15,610	3.63	567	4-72		35	799	.03	33	51
52-77-0011	7535939	1427381	9-69	1	305	22,890	3.24	741	24	15,720	3.67	577	4-72		35	1,311	-.01	46	77
52-77-0018	6054212	1390540	12-63	5	305	17,466	3.85	673	14	14,280	3.58	511	3-71		38	489	.11	34	43
52-80-0027	6412551	1456249	9-65	4	300	21,110	3.54	748	30	15,928	3.46	551	11-71		30	811	.01	31	51
52-80-0027	7068234	1491007	4-68	2	305	18,880	3.42	645	37	16,070	3.45	555	11-71		40	791	.00	28	47
52-80-0027	7138292	1447141	9-68	2	292	21,270	3.54	754	26	16,085	3.44	554	1-72		40	772	.05	36	53
52-80-0027	7334605	1491007	12-68	1	305	19,540	2.96	578	20	15,710	3.39	533	5-71		35	818	-.04	24	44
52-80-0027	7495132	1347940	8-69	1	305	17,880	3.65	652	33	16,050	3.41	548	1-72		36	667	.02	27	42
52-80-0027	7495133	1347940	8-69	1	305	19,740	3.17	626	42	15,690	3.45	541	11-71		36	830	-.03	25	46
52-81-0013	6686581	1263152	8-66	3	303	22,283	3.05	680	25	15,347	3.45	529	8-71		42	829	-.06	21	42
52-82-0002	7197458	1347940	7-58	2	301	18,785	3.18	597	32	15,775	3.32	523	3-72		40	807	-.03	25	45
52-82-0003	6915689	1347940	7-67	2	305	20,525	3.47	712	43	18,645	3.42	637	3-71		40	721	.00	26	43
52-82-0003	7232737	1491007	11-68	1	305	24,670	2.99	738	40	18,980	3.29	624	4-71		35	983	-.04	30	54
52-82-0003	7391430	1427381	4-59	1	305	23,860	3.03	724	34	18,210	3.20	583	12-71		36	1,217	.01	45	74
52-82-0003	7482805	1427381	10-59	1	299	21,180	3.10	657	21	17,850	3.24	579	3-72		35	1,041	.02	40	64
52-82-0003	7482815	1427615	9-69	1	305	25,310	2.73	692	49	17,530	3.20	561	10-71		36	1,092	-.16	14	45
52-82-0003	7529140	1427381	6-69	1	305	21,010	2.88	605	48	17,480	3.20	559	10-71		36	1,353	.00	38	63
52-82-0003	7546201	1450228	9-69	1	290	20,740	2.76	573	51	17,110	3.23	552	9-71		35	878	-.06	19	42
52-82-0003	7546202	1450228	9-69	1	305	20,010	3.11	623	51	17,110	3.23	552	9-71		35	822	-.05	22	43
52-82-0003	7547427	1427381	12-68	1	299	21,260	2.96	629	39	18,740	3.27	613	5-71		36	987	.00	36	59
52-82-0003	7547429	1491007	12-68	1	294	21,970	2.90	637	39	18,570	3.27	607	5-71		35	807	-.04	23	43
52-82-0010	6416831	1454671	10-65	4	302	21,985	3.72	818	36	17,995	3.48	626	7-71		43	721	.01	27	44
52-82-0010	6673824	1454671	5-66	3	305	23,333	3.88	925	31	18,430	3.47	640	5-71		42	860	.03	35	54
52-82-0010	6673829	1454671	7-66	4	305	23,302	3.42	796	30	18,720	3.45	646	1-72		43	804	-.05	22	42
52-82-0010	6673839	1263152	8-66	3	213	23,933	3.60	862	29	18,910	3.54	669	10-71	A	42	650	.02	27	42
52-82-0010	6864185	1347940	8-67	2	296	24,090	3.74	902	38	17,375	3.67	638	8-71		40	1,199	.01	45	73
52-82-0010	6864187	1347940	8-67	2	292	19,820	3.63	720	38	17,495	3.65	639	7-71		40	755	.00	27	45

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C D	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
52-82-0012	7029144	1355784	12-67	3	305	18,093	3.21	580	16	14,483	3.32	481	3-72		42	888	-.09	19	$ 42
52-82-0014	5680118	1369404	8-62	6	272	22,121	3.22	713	12	14,741	3.59	529	7-71	A	38	1,183	-.06	34	64
52-82-0014	5803445	1347940	1-63	6	304	20,440	3.56	727	20	15,821	3.63	575	8-71		44	1,068	-.01	37	63
52-82-0014	7226456	1491007	9-68	2	305	20,750	3.32	689	9	16,035	3.59	575	1-72		40	985	-.03	31	55
52-82-0014	7330632	1491007	9-68	2	300	19,790	3.30	653	15	15,350	3.65	560	11-71		40	950	-.03	29	53
52-82-0020	7208319	1447141	8-68	1	305	20,560	3.37	693	14	13,480	3.35	452	8-71		36	763	.04	34	51
52-82-0040	7059533	1222994	11-66	3	297	20,330	3.81	774	22	16,493	3.63	598	6-71		42	730	.04	32	48
52-82-0040	7554945	1261857	9-68	1	301	19,600	3.66	717	27	16,670	3.58	596	9-71		36	666	.07	34	48
52-82-0041	5181777	1216873	10-60	6	303	19,320	3.37	652	8	14,855	3.35	497	2-71		44	712	.00	26	43
52-82-0057	6649326	1407817	7-66	3	305	24,196	3.47	840	28	16,296	3.54	577	9-71		42	947	.00	34	57
52-82-0057	7001465	1283917	10-67	3	305	22,653	3.16	715	22	15,543	3.69	574	1-72		42	1,040	-.15	15	44
52-82-0057	7179314	1357743	6-68	2	305	24,490	3.03	741	24	16,230	3.52	571	10-71		40	965	-.11	18	44
52-82-0057	7522208	1427381	9-69	1	305	17,970	4.15	746	25	14,670	3.56	522	9-71		36	1,015	.09	51	73
52-82-0057	7522209	1427381	10-69	1	305	19,080	3.23	616	22	15,350	3.64	559	10-71		36	1,052	.00	38	63
52-82-0057	7522210	1427381	12-69	1	305	20,720	3.60	745	29	16,090	3.54	569	1-72		36	1,125	.04	47	73
52-82-0057	7589087	1427381	2-70	1	305	21,110	3.10	655	29	16,090	3.54	569	1-72		36	1,154	.00	41	69
52-82-0064	6904595	1484116	10-67	3	303	20,336	3.24	659	13	16,230	3.38	548	12-71		39	751	.00	27	45
52-82-0081	6648874	1417208	10-66	2	305	21,415	3.12	668	10	17,730	3.33	591	11-71		40	794	-.03	24	44
52-82-0088	6852215	1263152	7-67	3	305	23,540	3.28	772	13	16,327	3.56	582	12-71		42	873	-.04	26	48
52-82-0088	7343191	1347940	1-69	1	305	24,700	3.60	890	23	17,570	3.74	657	5-71		36	1,073	-.01	37	63
52-82-0088	7474261	1441440	11-69	1	305	25,370	3.54	899	18	18,400	3.52	648	2-72		36	942	.02	37	59
52-82-0092	7342642	1447141	9-68	2	300	22,190	3.43	761	20	17,830	3.51	626	10-71		40	706	.04	31	47
52-82-0101	6374355	1268297	7-65	4	305	19,635	3.88	761	13	17,233	3.37	581	2-72		43	520	.13	38	47
52-82-0101	6391646	1268297	9-65	4	280	19,388	3.76	729	12	16,473	3.44	567	11-71		43	575	.10	36	47
52-82-0105	6427605	1347940	8-65	4	305	18,690	3.94	736	22	16,912	3.51	593	7-71		44	710	.06	35	50
52-82-0105	6880315	1450228	8-67	2	305	24,125	2.84	686	29	16,860	3.44	580	9-71		39	1,321	-.13	27	62
52-82-0105	6919177	1414618	10-67	3	301	24,530	3.17	778	37	18,276	3.41	624	12-71		42	908	-.06	23	46
52-82-0105	7287609	1347940	10-68	2	302	19,645	3.30	649	38	16,055	3.46	555	1-72		40	868	-.03	27	48
52-82-0105	7735089	1491007	9-69	1	305	21,430	3.16	678	39	17,510	3.35	587	11-71		35	838	-.01	28	48
52-82-0115	7307802	1347940	1-69	1	305	18,470	3.47	641	33	14,710	3.78	556	5-71		36	801	-.03	25	45
52-82-0115	7416935	1347940	4-69	1	305	16,650	3.92	653	34	14,230	3.79	539	7-71		36	697	.01	27	43
52-82-0135	7256189	1491007	9-68	2	305	17,995	3.13	564	8	13,945	3.59	500	9-71		40	896	-.05	25	48
52-82-0136	6683941	1458744	12-66	3	297	17,453	3.90	680	8	15,220	3.46	526	9-71		42	701	.05	33	48
52-82-0136	6726889	1458744	10-66	3	299	19,310	4.14	800	5	15,756	3.48	549	2-71		42	859	.09	44	62
52-82-0136	6734111	1306247	9-66	4	294	19,905	3.28	652	6	15,220	3.57	543	4-72		43	980	-.07	25	50
52-82-0141	7098372	1387978	4-68	2	305	21,875	3.21	703	8	15,110	3.54	535	6-71		40	1,098	-.06	31	59
52-82-0148	6127253	1366872	9-64	5	305	20,980	3.34	730	9	14,798	3.48	515	1-71		38	958	-.05	27	51
52-82-0153	7342648	1347940	4-69	1	305	18,470	3.50	647	8	14,370	3.54	508	9-71		36	824	.00	29	49
52-83-0006	6398767	1308796	8-65	4	305	20,653	3.27	675	10	14,010	3.46	485	9-71		44	874	-.08	20	43
52-85-0007	7192284	1347940	12-68	1	287	16,550	3.52	583	34	13,090	3.80	497	7-71	B	36	766	-.02	25	44
52-85-0021	6860753	1479726	7-67	3	305	20,806	3.84	798	21	16,056	3.64	585	11-71		32	723	.05	34	[illegible]
52-85-0021	7475558	1303900	9-69	1	305	22,400	3.36	752	50	15,600	3.76	587	8-71		34	933	-.09	20	45
52-85-0033	7094935	1379208	8-67	3	305	19,597	3.22	631	59	13,590	3.58	487	1-72		42	968	-.04	28	52
52-85-0037	6622231	1466179	3-66	4	294	16,190	3.40	551	53	14,105	3.44	485	8-71		38	868	-.03	27	48
52-85-0037	6735454	1379208	9-66	3	305	22,757	3.49	795	58	15,433	3.56	549	2-72		42	1,143	-.01	40	67
52-85-0037	7121640	1414618	2-68	2	305	21,225	3.54	751	58	15,930	3.47	553	2-72		40	694	.06	25	47
52-85-0037	7226165	1491007	11-68	1	305	16,070	3.51	564	172	13,700	3.46	474	8-71		35	692	.01	27	43
52-85-0037	7325757	1458744	4-69	1	290	17,160	3.82	656	149	13,900	3.43	477	10-71		36	718	.02	29	46
52-85-0037	7326434	1458744	1-69	1	280	17,090	3.46	591	169	13,700	3.46	474	8-71		36	726	-.01	25	47
52-85-0037	7409235	1365341	3-69	1	305	20,480	3.22	659	180	13,770	3.46	476	9-71		36	1,026	-.04	41	57
52-85-0037	7457858	1347940	7-69	1	305	19,390	3.10	601	174	13,800	3.46	477	9-71		36	930	-.04	28	51
52-85-0037	7458942	1447141	7-69	1	305	19,580	3.26	638	116	13,490	3.52	475	6-71		36	690	.03	29	45
52-86-0009	7615508	1514454	9-68	2	305	24,785	3.02	749	30	16,545	3.59	594	3-72		25	1,070	-.11	21	[illegible]
52-88-0003	7337189	1491007	3-69	1	305	20,270	3.47	703	25	17,010	3.59	611	5-71		35	785	.00	28	47
52-88-0011	6901661	1379208	6-67	3	290	19,573	3.75	735	36	15,097	3.72	562	8-71		42	807	.02	32	51
52-88-0013	6901662	1379208	6-67	3	292	18,837	3.67	692	30	15,180	3.67	557	10-71		42	712	.02	28	45
52-88-0013	7125972	1347940	7-68	2	302	19,000	3.63	689	38	15,305	3.63	556	7-71		40	872	.00	31	52
52-88-0013	7382841	1491007	6-69	1	305	18,170	3.52	640	38	15,400	3.56	548	7-71		35	736	[illegible]	27	[illegible]
52-88-0014	7719989	1347940	1-69	1	305	19,460	3.31	644	26	14,960	3.57	534	7-71		36	858	-.03	27	44
52-88-0033	6720535	1421175	6-66	3	303	20,010	3.68	737	24	16,037	3.58	574	7-71		34	699	.02	28	44
52-88-0033	6720538	1421175	8-66	2	305	24,555	3.34	820	19	15,985	3.50	559	11-71		32	1,170	-.03	37	55
52-88-0033	7133272	1389602	9-68	1	305	22,840	3.90	891	30	17,280	3.54	611	7-71		25	809	.04	35	53
52-88-0035	6811587	1406271	1-67	3	302	18,477	3.98	735	25	16,437	3.60	591	2-72		42	629	.09	36	49
52-88-0035	6979906	1347940	10-67	3	294	19,763	3.59	709	24	16,613	3.59	596	11-71		42	859	.00	31	51
52-88-0035	7047561	1283917	12-67	2	305	22,255	3.76	837	28	16,060	3.60	578	2-72		40	862	-.04	25	47
52-88-0035	7059285	1491007	1-68	2	305	22,340	3.25	727	30	15,620	3.59	560	8-71		40	1,185	-.04	36	65
52-88-0035	7280970	1399824	1-69	1	305	22,930	3.54	812	33	17,250	3.53	609	11-71		36	790	.02	32	[illegible]
52-88-0035	7599555	1355784	11-69	1	305	23,920	3.01	721	35	17,370	3.60	625	12-71		35	1,031	-.14	16	44
52-92-0001	6471295	1454572	11-65	3	305	19,213	3.74	719	67	15,103	3.61	545	6-71		32	742	.03	31	43
52-92-0001	6471315	1453671	2-66	3	301	18,973	3.77	716	55	15,150	3.58	542	11-71		32	628	.04	28	42
52-92-0001	6587737	1462537	3-66	3	305	20,953	3.43	718	60	14,956	3.52	527	3-71		33	768	-.01	26	45
52-95-0007	5504525	1359420	2-62	7	303	20,824	3.45	718	20	16,204	3.47	563	6-71		36	874	.02	34	54
52-95-0007	6995187	1377954	10-67	2	299	20,785	3.11	646	21	16,760	3.45	578	6-71		40	785	-.04	22	42
52-95-0058	6613353	1329588	4-65	4	304	21,198	3.15	668	7	15,063	3.56	536	3-71		44	962	-.08	22	47
52-95-0058	6968714	1261857	9-67	3	303	19,647	3.51	689	18	14,930	3.56	531	11-71		42	940	.05	41	62
52-95-0058	6968717	1261857	6-67	3	283	18,553	3.77	699	9	15,547	3.56	554	4-72		42	750	.08	39	55
52-97-0003	7421497	1427381	8-69	1	305	15,280	3.80	580	39	12,920	3.61	466	2-72		36	932	.05	42	63
52-97-0003	7421498	1427381	8-69	1	305	15,830	3.65	578	32	12,960	3.56	461	3-72		36	970	.05	42	64
52-98-0003	6774665	1406271	9-66	3	295	19,727	3.40	671	22	15,867	3.49	553	4-71		42	832	.01	32	51
52-98-0003	6774665	1406271	9-66	3	302	18,520	3.53	653	23	14,847	3.54	525	8-71		42	798	.03	33	51
52-98-0003	7243113	1347940	9-68	1	305	19,170	3.32	636	22	14,630	3.47	507	5-71		36	858	-.02	28	49
52-98-0003	7596800	1491007	11-69	1	305	19,060	3.14	598	14	16,430	3.35	550	4-72		35	733	-.02	24	42
52-98-0018	5669498	1355003	9-62	6	305	20,620	3.63	749	18	16,591	3.51	582	6-71		39	696	.01	26	42
52-98-0018	5790155	1401152	1-63	7	305	23,341	3.44	804	23	16,744	3.53	591	11-71		36	938	-.02	30	53
52-98-0018	6689565	1488231	10-66	2	303	25,265	3.49	881	18	17,570	3.64	640	7-71		29	1,039	-.04	32	58

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C D	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
52-98-0018	7105474	1491007	1-68	2	292	21,615	3.78	816	33	17,390	3.57	620	9-71		40	949	.04	40	$ 62
52-98-0018	7210779	1491007	7-68	2	305	19,250	3.59	691	33	17,390	3.57	620	9-71		40	708	.01	27	44
52-98-0018	7210780	1491007	7-68	2	305	25,525	3.40	868	21	17,695	3.55	628	3-72		40	1,320	-.02	44	76
52-98-0018	7336281	1447141	12-68	1	305	22,320	3.36	750	34	17,390	3.53	614	12-70		36	632	.03	28	42
52-98-0018	7336282	1491007	2-69	1	305	19,100	3.59	686	28	16,930	3.56	602	11-71		35	702	.01	27	43
52-98-0018	7336283	1491007	2-69	1	287	20,750	4.10	851	31	16,410	3.63	595	8-71		35	862	.06	40	59
52-98-0026	7249517	1491007	12-68	2	305	21,490	2.99	643	9	15,720	3.30	518	3-72		40	1,089	-.05	32	59
52-98-0026	7249519	1347940	1-69	1	269	18,680	3.37	630	18	15,130	3.39	513	9-71		36	788	-.01	27	46
52-98-0030	6678404	1465506	7-66	4	305	18,698	3.84	718	14	13,503	3.86	521	4-72		30	776	.01	30	48
54-02-0029	6633291	1406271	9-66	4	299	15,710	3.87	608	54	13,630	3.66	499	8-71		44	610	.06	31	44
54-02-0033	6459874	1442837	11-65	4	295	20,305	3.76	763	10	13,110	3.55	465	6-71		42	758	.03	32	49
54-02-0054	7421008	1427381	3-69	2	305	18,055	4.21	760	20	14,135	3.91	553	4-72		40	1,116	.08	53	77
54-02-0054	7514016	1427381	7-69	1	305	18,300	4.08	746	37	13,800	3.81	526	5-71		36	1,098	.07	50	74
54-02-0054	7514017	1427381	7-69	1	305	18,170	4.06	738	37	13,800	3.81	526	5-71		36	1,088	.07	50	74
54-02-0054	7514019	1427381	8-69	1	305	15,420	4.31	665	46	13,230	3.85	509	7-71		36	922	.08	45	65
54-10-0002	6482729	1242221	2-65	5	302	19,840	3.46	686	20	16,754	3.58	599	5-71		43	1,025	-.02	34	59
54-10-0002	6482730	1242221	4-65	4	301	20,723	3.37	698	34	15,960	3.42	546	7-71		42	1,218	-.02	41	71
54-10-0002	6997716	1347940	3-67	3	305	19,263	3.51	676	25	16,340	3.56	582	3-72		42	829	-.01	28	48
54-13-0018	7257372	1379208	12-67	2	298	19,935	3.48	694	14	15,250	3.58	546	8-71		40	773	-.01	27	46
54-13-0024	7381800	1447141	3-69	1	235	19,920	3.78	752	39	14,570	3.51	512	12-71	B	36	643	.08	35	48
54-13-0060	6455444	1353255	12-65	3	305	16,720	3.39	567	11	11,683	3.43	401	3-72		36	676	.02	28	43
54-13-0060	6455445	1353255	1-66	4	302	18,282	3.08	563	12	11,837	3.46	409	6-71		37	911	-.03	28	51
54-13-0064	6571237	1466071	2-66	3	305	22,483	3.6	825	14	16,840	3.47	584	9-71		33	664	.05	31	46
54-13-0064	6829373	1379208	11-66	3	293	22,570	3.23	730	14	15,847	3.46	549	11-71		42	1,077	-.04	33	60
54-13-0064	6829374	1379208	1-67	3	278	21,613	3.34	722	14	16,967	3.43	582	11-71		42	849	-.02	28	49
54-17-0002	7501633	1524956	6-69	1	305	19,730	3.26	643	9	14,790	3.67	543	2-72		32	810	-.05	21	42
54-17-0002	7501636	1347940	12-68	1	305	18,780	3.07	576	9	13,470	3.63	489	8-71		36	907	-.05	25	48
54-17-0040	6612914	1347940	7-66	3	305	16,140	3.46	559	11	13,270	3.45	458	12-71		42	788	.00	28	47
54-19-0003	6498662	1425910	10-65	4	305	21,970	3.74	822	34	15,063	3.76	567	2-72		34	1,121	.00	40	67
54-19-0003	7168686	1347940	5-68	2	305	17,620	3.50	616	51	14,525	3.60	523	7-71		40	803	-.01	27	46
54-19-0034	7289454	1406271	1-69	1	305	17,150	4.08	700	14	12,280	3.71	455	10-71		36	755	.07	38	54
54-19-0041	6315483	1347940	3-65	3	305	18,726	3.57	668	21	14,393	3.66	527	10-71		42	969	-.01	33	56
54-19-0041	6784102	1347940	4-67	3	303	21,980	4.08	897	15	15,046	3.64	547	6-71		42	1,276	.07	57	85
54-19-0041	6787981	1379208	11-66	4	286	18,223	4.15	756	54	15,323	3.68	564	11-71		43	643	.09	36	49
54-19-0042	6629854	1347940	10-65	2	305	18,275	3.85	703	18	14,920	3.61	539	2-71		40	833	.03	34	53
54-19-0069	4975128	1063550	8-59	6	278	16,403	4.38	718	46	14,655	3.82	560	7-71		39	537	.10	35	45
54-19-0069	6509778	1458744	11-65	4	304	18,845	3.82	720	46	14,740	3.90	575	11-71		44	936	.00	33	55
54-19-0069	7013876	1458744	2-67	4	298	17,712	3.77	668	53	15,310	3.91	598	12-71		44	733	-.01	25	43
54-19-0069	7013878	1458744	7-67	3	305	16,543	4.03	667	42	14,613	3.89	568	8-71		42	659	.02	27	42
54-19-0069	7013880	1432217	3-67	3	304	17,793	4.24	755	40	14,643	3.93	575	10-71		33	624	.07	33	46
54-19-0069	7082261	1458744	9-67	2	296	17,275	4.51	779	51	15,745	3.89	612	12-71		40	619	.07	33	46
54-19-0069	7082263	1458744	5-68	2	299	19,420	3.64	707	43	15,335	3.79	581	5-71		40	874	-.02	29	5[illegible]
54-19-0069	7119572	1494828	10-67	3	305	19,316	4.16	803	55	15,146	3.86	584	1-72		33	600	.12	39	5[illegible]
54-19-0069	7174046	1494828	6-68	2	305	21,255	3.95	840	44	16,290	3.82	623	2-72		30	647	.08	36	49
54-19-0069	7223963	1458744	12-68	1	305	19,230	4.33	833	53	15,810	3.86	611	2-71		36	744	.05	34	5[illegible]
54-19-0069	7223966	1447141	1-69	2	296	20,880	3.71	775	55	16,465	3.87	637	1-72		40	697	.04	31	47
54-19-0069	7496484	1458744	11-69	1	305	20,150	3.67	739	49	16,080	3.92	630	10-71		36	795	-.02	25	45
54-19-0078	6354431	1347940	8-65	3	304	19,036	3.36	640	13	16,180	3.69	597	8-70		42	820	-.04	23	44
54-19-0078	6695474	1347940	12-66	2	305	15,470	4.18	646	5	13,300	3.70	492	7-71		40	696	.05	33	48
54-19-0078	6856137	1347940	5-67	2	305	17,795	3.79	675	12	16,045	3.63	582	3-72		40	682	.02	27	43
54-19-0078	6935385	1480745	8-67	2	291	21,395	3.35	716	18	15,185	3.81	579	1-72		30	922	-.07	23	47
54-19-0078	6935391	1347940	7-67	2	302	17,475	3.89	680	7	14,235	3.74	533	11-71		40	814	.02	32	51
54-19-0078	7081808	1347940	1-68	2	297	20,305	3.43	696	16	14,215	3.84	546	11-71		40	1,104	-.04	33	61
54-19-0078	7088977	1458744	11-67	2	268	17,670	4.06	717	16	14,770	3.76	555	12-71	H	40	748	.03	32	49
54-19-0080	6902534	1347940	7-67	2	297	15,985	3.51	561	13	12,795	3.63	464	10-71		40	795	-.01	27	46
54-26-0012	7538666	1320310	8-69	1	305	19,080	3.09	590	13	15,600	3.34	521	12-71		36	862	-.07	21	43
54-26-0012	7538667	1406271	7-69	1	286	19,130	3.16	604	9	14,770	3.25	480	10-71		36	736	.02	29	46
54-26-0014	7039438	1347940	11-67	2	286	20,270	3.15	638	12	16,555	3.35	555	2-71		40	886	-.04	26	48
54-26-0014	7118554	1347940	1-68	2	305	18,705	3.29	615	17	13,395	3.28	439	8-71		40	1,016	-.02	34	59
54-26-0014	7618341	1406271	11-69	1	305	18,810	3.82	718	7	15,400	3.43	528	4-72		36	670	.07	35	49
54-26-0080	6988466	1379208	6-67	3	305	18,823	3.71	699	22	14,780	3.38	500	10-71		42	753	.05	34	51
54-26-0080	7652695	1320310	8-69	1	305	18,760	3.09	579	16	14,690	3.61	530	11-71		36	899	-.08	20	44
54-26-0080	7706276	1493686	3-70	1	305	18,730	3.37	632	14	15,020	3.53	530	4-72		35	709	.02	28	44
54-26-0088	6878487	1347940	8-67	2	305	17,780	3.25	577	9	13,755	3.53	485	3-72		40	889	-.04	26	48
54-27-0002	6920572	1347940	4-67	1	305	16,320	4.19	683	31	13,890	3.98	553	9-70		36	696	.03	29	45
54-27-0002	6920575	1347940	11-67	2	296	18,395	3.75	689	27	14,350	3.92	563	8-71		40	897	-.01	31	53
54-27-0029	5869977	1330987	3-63	6	305	18,822	3.84	722	20	15,482	3.75	581	12-71		44	723	.05	34	50
54-27-0029	6648939	1379208	8-66	4	303	19,303	3.43	662	39	15,523	3.66	568	1-72		43	755	-.02	24	43
54-27-0029	6690200	1379208	11-66	2	305	19,115	3.59	687	29	15,190	3.71	564	2-71		40	695	.00	25	42
54-27-0030	6948879	1347940	8-67	2	305	17,210	3.90	671	54	14,175	3.90	553	3-71		40	793	.01	30	49
54-27-0030	7561439	1406271	8-69	1	303	19,180	3.62	694	121	14,530	3.77	548	9-71		36	756	.02	31	46
54-27-0030	7592439	1406271	9-69	1	305	21,100	3.47	733	76	15,460	3.73	577	11-71		36	836	.01	32	52
54-27-0045	7011748	1347940	10-67	2	305	17,785	3.11	554	24	13,100	3.64	477	2-72		40	950	-.06	25	49
54-27-0045	7011749	1347940	10-67	2	305	21,485	3.35	720	26	14,475	3.61	523	12-71		40	1,200	-.04	37	67
54-27-0045	7049450	1347940	7-67	3	305	15,916	3.68	585	43	12,620	3.64	459	11-71		42	829	.01	31	51
54-27-0049	6349127	1440493	1-65	4	305	17,873	3.88	694	20	13,820	3.72	514	7-71		33	595	.06	30	43
54-27-0049	6531504	1347940	11-65	4	305	21,220	3.64	772	15	15,447	3.74	577	2-71		44	1,186	-.01	41	70
54-27-0049	7263890	1447141	12-68	1	305	20,930	3.61	756	34	14,080	3.79	533	6-71		36	751	.05	34	51
54-27-0063	7340196	1347940	11-68	1	292	18,220	3.57	651	56	14,870	3.80	565	7-71		36	771	-.01	26	45
54-27-0063	7340197	1347940	11-68	1	305	20,150	3.53	712	56	14,870	3.80	565	7-71		36	915	-.02	30	52
54-27-0063	7561444	1524956	9-69	1	293	21,220	3.57	758	81	15,910	3.76	598	10-71		32	848	-.02	27	48
54-31-0024	6907107	1347940	7-67	3	299	17,523	3.40	596	11	15,563	3.40	529	12-71		42	710	.00	25	42
54-31-0024	7380221	1320310	8-69	1	305	18,650	3.54	661	20	14,900	3.52	525	8-71		36	876	-.04	26	48
54-32-0001	5613695	1379208	2-62	7	302	17,461	3.55	620	7	14,053	3.56	500	2-72		44	707	.00	26	43
54-32-0014	6938337	1347940	8-67	3	305	20,610	3.45	711	29	17,120	3.64	623	11-71		42	903	-.03	28	5[illegible]

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALV MO-YR	T C O	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
54-32-0014	7198709	1347940	7-68	1	305	22,820	3.71	847	30	17,880	3.57	638	11-70		36	912	.01	35	$ 56
54-32-0014	7198710	1347940	8-68	2	286	20,580	3.45	710	20	16,970	3.59	609	1-72		40	880	-.02	29	50
54-32-0014	7351283	1347940	3-69	1	305	18,630	3.69	688	33	16,020	3.57	572	9-71		36	725	.01	28	45
54-32-0014	7443273	1347940	8-69	1	305	19,340	3.37	651	33	16,020	3.57	572	9-71		36	778	-.02	25	44
54-32-0015	7203080	1347940	10-68	1	305	22,250	3.12	694	45	16,800	3.42	574	8-71		36	942	-.04	28	52
54-32-0018	6978194	1347940	10-67	1	305	17,270	3.60	621	14	12,930	3.60	466	9-70		36	831	.00	30	50
54-32-0025	7004913	1491007	11-67	2	305	19,835	3.40	674	21	17,295	3.45	597	4-71		40	776	.00	28	46
54-35-0019	7486650	1427381	10-69	1	294	15,400	3.55	546	17	13,190	3.22	425	3-72		36	923	.06	42	62
54-35-0048	6365513	1441440	5-65	3	305	20,093	3.35	674	13	14,740	3.41	503	5-71		42	976	.01	36	59
54-39-0021	7211619	1347940	8-68	1	305	17,750	3.68	654	14	12,790	3.36	430	8-71		36	876	.02	35	55
54-39-0021	7348693	1347940	2-69	1	305	16,080	3.47	558	15	13,270	3.40	451	7-71		36	719	.00	26	43
54-39-0041	6431668	1346850	8-65	2	305	25,380	3.13	795	10	17,120	3.42	585	2-71		40	976	-.08	23	48
54-42-0010	6406281	1406271	8-65	4	280	20,600	4.10	844	14	15,920	3.79	604	1-71	8	44	959	.09	49	69
54-42-0010	7366748	1406271	2-69	1	137	18,800	3.92	737	9	16,320	3.51	573	3-71	8	36	607	.07	33	45
54-42-0010	7577007	1406271	9-69	1	66	20,260	3.53	716	7	16,530	3.59	594	6-71	8	36	702	.03	30	46
54-42-0014	7427542	1406271	2-69	1	305	18,120	3.80	689	36	15,730	3.67	577	9-71		36	596	.05	29	42
54-45-0001	6781297	1346850	3-65	4	303	20,970	3.15	661	7	13,273	3.46	459	12-71		44	1,040	-.07	26	53
54-49-0015	6616683	1347940	8-66	3	305	18,290	3.62	663	35	14,340	3.81	546	2-71		42	924	-.02	31	53
54-49-0015	6996259	1392774	11-67	2	305	22,170	3.65	809	38	15,285	3.78	578	1-71		40	731	.01	28	45
54-49-0015	7047628	1347940	7-67	2	305	20,740	3.81	791	35	15,060	3.72	560	2-71		40	1,071	.02	41	66
54-49-0015	7409491	1427381	8-69	1	305	16,980	3.90	663	47	13,910	3.82	532	9-71		36	992	.05	44	66
54-49-0015	7479570	1427381	8-69	1	305	17,820	4.08	727	47	13,910	3.82	532	9-71		36	1,055	.06	48	71
54-49-0015	7562725	1427381	11-69	1	302	16,860	4.07	687	44	15,100	3.77	569	12-71		36	904	.07	43	63
54-49-0015	7562726	1427381	12-69	1	305	23,490	3.62	850	44	15,100	3.77	569	12-71		36	1,398	.03	55	87
54-49-0025	7400203	1427381	7-69	1	305	18,740	3.55	666	9	13,830	3.66	506	3-72		36	1,129	.03	46	72
54-49-0025	7547065	1427381	9-69	1	305	17,800	3.54	630	7	14,090	3.68	518	4-72		36	1,041	.03	42	66
54-49-0025	7547067	1427381	9-69	1	305	15,560	3.93	612	9	13,830	3.66	506	3-72		36	892	.06	42	61
55-00-0013	6803264	1261857	12-66	3	295	18,603	3.80	707	11	16,663	3.88	646	7-71		42	640	.05	31	45
55-00-0014	7142493	1350190	6-67	3	305	21,467	3.33	715	14	15,900	3.48	553	10-71		42	874	-.07	21	44
55-00-0017	7605829	1427381	9-69	1	260	17,200	3.52	605	35	15,070	3.60	543	10-71		36	931	.04	39	60
55-00-0036	7153143	1261857	11-67	2	305	17,580	4.07	716	22	14,150	3.77	533	6-71		40	750	.10	42	57
55-00-0036	7153144	1261857	12-67	2	305	17,870	4.15	742	25	14,140	3.79	536	10-71		40	781	.10	44	60
55-00-0036	7409201	1387978	3-69	1	305	19,770	3.96	782	17	16,100	3.89	627	11-71		36	715	.01	27	44
55-00-0042	6305827	1430386	5-65	4	305	21,598	3.64	786	10	17,663	3.56	629	3-71		35	688	.04	31	46
55-00-0042	6449026	1330597	8-65	4	305	21,248	3.56	756	20	16,343	3.58	585	1-72		44	800	-.02	26	46
55-00-0042	6707749	1481529	10-66	4	300	20,865	3.88	810	20	16,293	3.54	577	10-71		30	724	.07	37	52
55-02-0026	7877823	1347940	9-69	1	305	18,070	3.64	658	8	15,260	3.51	535	11-71		36	734	.01	28	45
55-02-0038	6732002	1464918	12-66	2	305	22,215	3.15	699	5	14,580	3.48	508	10-71		25	968	-.07	24	49
55-10-0043	7306542	1330987	10-68	2	305	22,530	3.50	788	15	16,150	3.44	555	10-71		40	964	.03	40	62
55-10-0054	6730405	1417208	7-65	4	305	20,318	3.19	649	9	16,408	3.30	542	1-72		44	872	-.02	28	49
55-10-0060	6908394	1261857	8-67	1	287	17,710	3.85	681	18	14,380	3.33	479	7-71		36	679	.10	39	53
55-10-0060	7419150	1447414	7-69	1	305	21,760	3.14	684	19	15,390	3.44	530	10-71		35	1,098	-.06	30	58
55-10-6007	6832509	1261857	6-67	3	303	19,750	3.32	655	7	16,487	3.31	545	12-71		42	791	.04	35	53
55-10-6007	6832510	1261857	6-67	3	305	20,177	3.18	642	5	16,520	3.22	532	3-72		42	836	.03	35	54
55-10-6007	6938382	1261857	7-67	3	297	18,977	4.18	793	7	16,487	3.31	545	12-71		42	702	.17	51	63
55-10-6007	6938387	1261857	9-67	3	305	19,350	3.57	690	10	16,863	3.33	562	1-72		42	706	.08	38	53
55-10-6007	7326885	1261857	7-67	3	299	18,483	3.44	636	7	16,487	3.31	545	12-71		42	645	.06	33	47
55-10-6007	7326887	1261857	10-67	3	303	19,203	3.65	701	7	16,680	3.31	552	12-71		42	708	.10	40	54
55-10-6007	7605309	1406271	12-69	1	298	22,560	3.45	779	14	17,240	3.58	618	11-71		36	826	.02	33	52
55-11-0006	6007059	1393645	9-63	7	296	23,480	3.34	784	64	17,205	3.59	618	10-71		43	752	-.03	23	42
55-11-0006	6157685	1414893	10-64	5	305	20,856	3.61	752	57	17,352	3.55	616	11-71		38	699	.03	30	45
55-11-0006	6504408	1441026	10-65	5	289	19,810	3.59	711	55	17,230	3.60	621	10-71		42	834	-.05	23	44
55-11-0006	7223258	1506745	11-68	2	301	21,780	3.37	734	62	17,615	3.59	633	1-72		32	865	-.06	22	44
55-13-0028	6671210	1424612	9-65	4	305	21,298	3.72	792	11	15,615	3.60	562	3-71		30	883	.03	36	56
55-18-0001	6948869	1347940	9-67	2	235	18,295	3.36	615	40	14,820	3.35	496	11-71	8	40	844	-.01	29	[illegible]
55-18-0001	7161109	1261857	11-67	2	269	18,045	3.76	679	55	15,170	3.26	494	9-71	8	40	704	.10	41	55
55-18-0001	7161110	1261857	12-67	2	274	16,515	3.76	621	51	14,895	3.28	489	9-71	8	40	574	.10	36	47
55-18-0001	7161111	1347940	9-67	2	278	17,580	3.49	614	48	15,140	3.29	498	9-71	8	40	743	.01	29	45
55-18-0001	7161112	1347940	9-67	2	249	17,275	3.42	591	44	15,040	3.31	498	11-71	8	40	721	.01	27	44
55-18-0001	7161114	1347940	2-68	2	235	19,010	3.17	603	41	15,580	3.29	512	11-71	8	40	847	-.03	26	47
55-18-0001	7172592	1387978	11-68	1	305	23,380	2.86	669	27	15,090	3.27	493	6-71		36	1,052	-.07	27	54
55-18-0001	7535473	1347940	9-69	1	237	21,830	3.09	674	56	14,710	3.40	500	9-71	8	36	1,051	-.04	32	55
55-18-0006	6046975	1407362	2-64	5	303	18,414	4.07	749	16	16,542	3.79	627	11-70		38	524	.09	33	45
55-18-0006	7141769	1427381	7-68	1	305	22,380	3.82	856	39	18,310	3.93	720	9-70		36	1,100	.03	45	7
55-18-0006	7141771	1407362	9-68	2	305	28,575	3.46	988	26	17,895	3.83	685	12-71		33	1,500	-.02	51	87
55-18-0034	5975779	1189870	2-63	6	304	21,498	3.51	755	10	15,077	3.63	547	5-71		44	1,034	-.01	35	61
55-18-0034	6941314	1407362	9-67	3	298	18,100	3.78	685	19	15,340	3.62	555	8-71		36	602	.07	32	44
55-18-0051	6871819	1261857	3-67	3	301	16,970	3.98	675	6	15,060	3.78	570	5-71		42	619	.08	35	47
55-18-0051	7130821	1330987	11-67	2	305	18,190	3.78	688	16	15,130	3.73	565	8-71		40	617	.04	29	42
55-19-0004	6508335	1315578	2-66	3	291	18,676	3.21	599	10	13,633	3.58	488	5-71		42	727	.03	30	47
55-19-0004	6582632	1315578	3-66	4	305	16,630	3.70	616	11	13,747	3.53	485	10-71		44	500	.10	33	42
55-21-0014	7550856	1447414	9-69	1	298	19,240	3.22	619	16	13,920	3.64	507	12-71		35	1,008	-.07	26	52
55-22-0015	7201080	1478906	8-68	1	192	23,000	3.49	802	15	14,160	3.52	499	1-71	8	25	975	-.03	31	55
55-22-0035	5820556	1392836	1-63	5	305	22,294	3.82	851	21	16,932	3.77	639	5-71		35	925	.00	34	56
55-22-0035	6916909	1261857	8-67	3	304	22,600	4.15	939	19	18,537	3.77	699	3-72		42	906	.13	52	70
55-22-0043	6222404	1406271	8-64	4	305	23,590	3.31	782	20	17,060	3.39	578	1-71		44	1,202	.00	44	73
55-22-0043	6441858	1406271	8-65	4	305	22,043	3.37	743	9	17,203	3.41	586	7-71		44	995	.01	38	61
55-22-0043	6449914	1406271	8-65	4	305	20,078	3.43	688	12	15,658	3.40	533	2-72		44	924	.02	37	55
55-22-0043	6634640	1406271	6-66	4	305	22,140	3.27	723	11	16,480	3.37	555	8-71		44	1,087	.00	39	65
55-22-0043	6913263	1347940	10-67	2	305	23,055	3.21	739	28	18,690	3.43	642	1-71		40	974	-.05	28	52
55-22-0043	6913265	1347940	10-67	2	305	28,755	2.86	821	28	17,855	3.48	621	11-70		40	1,629	-.12	39	81
55-23-0003	7600354	1406271	6-69	1	305	15,800	3.83	605	15	13,000	3.57	464	11-71		36	606	.05	30	43
55-28-0002	7358065	1261857	8-67	2	305	20,310	4.26	866	13	17,280	3.61	623	6-71		40	742	.15	49	63
55-28-0010	5960098	1338072	8-63	6	305	19,483	3.55	691	45	15,105	3.69	557	12-71		36	808	-.03	25	45
55-28-0010	7060509	1387978	3-68	2	292	19,990	3.16	632	52	15,195	3.50	532	4-71		40	899	-.06	24	47

TABLE 3. HOLSTEIN USDA-OHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C O	REPT (%)	.......C O W MILK (LB)	I N D E X....... FAT (%)	FAT (LB)	DOL-LARS
55-28-0023	6947288	1377954	5-67	3	300	16,893	3.82	646	16	13,557	3.88	526	6-71		42	715	.01	28	$ 45
55-28-0025	6917339	1377954	9-67	3	305	18,157	3.69	670	32	14,177	3.75	531	10-71		42	797	.01	30	49
55-28-0025	7533030	1447141	9-69	1	305	20,460	3.58	732	40	14,200	3.60	511	7-71		36	708	.05	33	49
55-28-0026	6625481	1261857	8-66	3	305	16,690	3.50	584	46	12,720	3.66	465	10-71		42	829	.03	35	54
55-28-0026	6855425	1377954	7-67	2	305	16,935	3.55	602	50	12,685	3.57	453	10-71		40	767	.01	29	47
55-28-0027	6778877	1377954	8-66	3	305	18,467	3.17	585	32	14,263	3.38	482	5-71		42	823	-.02	26	46
55-28-0027	6933876	1377954	10-67	2	305	18,485	3.44	635	39	13,205	3.48	459	1-72		40	877	.00	32	53
55-28-0027	7644109	1387978	12-68	1	305	18,110	3.20	580	35	12,940	3.39	439	12-71		36	804	-.03	24	44
55-28-0032	6664759	1347940	12-66	3	303	19,180	3.72	714	24	14,026	3.73	523	9-71		42	1,059	.01	39	64
55-28-0032	6734660	1347940	3-66	5	297	19,642	3.31	650	13	15,044	3.62	544	4-72		44	1,055	-.05	30	57
55-28-0032	6995224	1347940	11-67	1	305	17,190	3.43	590	33	12,860	3.85	495	9-70		36	829	-.03	26	46
55-28-0032	7060370	1387978	4-68	2	305	17,535	3.92	687	25	13,220	3.71	490	6-71		40	830	.02	33	52
55-28-0035	5779717	1258673	1-63	7	299	19,783	3.99	789	29	15,307	3.61	553	2-72		44	438	.19	44	49
55-28-0035	6731517	1261857	9-66	4	304	31,035	3.52	1091	35	15,500	3.60	558	2-72		44	2,315	.03	88	142
55-28-0035	6922341	1377954	7-67	3	305	20,770	3.12	648	38	16,233	3.58	581	11-71		42	884	-.06	23	46
55-28-0035	6922344	1261857	8-67	3	300	20,293	3.78	767	38	15,380	3.55	546	11-71		42	968	.09	48	69
55-28-0035	7153417	1473442	9-68	2	301	24,115	3.12	752	29	17,720	3.44	609	2-72		39	1,072	-.10	23	51
55-29-0009	6594490	1261857	8-66	4	295	17,250	3.87	667	26	14,990	3.38	507	2-72		44	669	.12	42	55
55-29-0009	6668338	1261857	10-66	3	300	17,780	3.65	649	18	15,607	3.33	520	4-71		42	655	.09	37	5[illegible]
55-29-0009	6668340	1261857	11-66	3	305	16,870	3.34	563	23	14,990	3.28	492	9-71		42	614	.05	30	43
55-29-0009	6668341	1261857	11-66	3	299	16,713	3.84	642	17	14,920	3.30	492	6-71		42	604	.11	39	5[illegible]
55-29-0009	6668344	1261857	12-66	3	302	18,580	2.86	531	30	14,490	3.26	472	8-71		42	863	-.01	29	5[illegible]
55-29-0009	6668345	1261857	12-66	3	299	17,287	3.86	668	25	14,540	3.28	477	6-71		42	709	.12	44	58
55-29-0009	6884361	1261857	8-67	3	295	19,363	3.52	681	22	15,717	3.38	531	11-71		42	826	.07	40	58
55-29-0009	6961486	1261857	11-67	2	305	17,200	3.88	668	31	14,225	3.28	467	8-71		40	705	.12	43	57
55-29-0009	6961487	1261857	11-67	2	298	18,090	3.17	573	32	14,335	3.29	472	9-71		40	785	.03	33	51
55-29-0049	6790042	1450493	5-66	2	305	19,120	3.43	655	67	14,040	3.52	494	11-71		29	740	-.02	24	42
55-33-0025	6599772	1452058	8-66	3	305	21,207	3.54	751	41	16,193	3.41	552	10-71		32	799	.02	32	5[illegible]
55-33-0025	6787950	1406271	1-67	2	305	18,545	3.98	739	39	15,775	3.44	543	11-71		40	679	.10	39	53
55-33-0037	7454962	1447141	11-69	1	305	23,540	3.73	878	7	17,730	3.50	620	4-72		36	700	.08	37	52
55-35-0049	5796664	1406160	7-62	6	299	18,405	3.88	715	18	14,890	3.57	532	8-71		34	599	.08	33	45
55-35-0051	6405651	1347940	9-65	4	232	16,060	4.08	655	23	12,972	3.61	468	2-72		44	524	.06	39	57
55-38-0003	7020479	1476877	3-68	2	305	22,900	3.74	857	20	17,490	3.77	660	10-71		25	724	.01	27	44
55-38-0003	7195241	1261857	9-68	2	305	20,905	3.88	812	19	19,055	3.65	696	2-72		40	640	.09	36	49
55-38-0020	7104713	1259069	10-67	3	304	21,887	3.45	755	25	16,087	3.46	557	10-71		42	821	-.03	25	43
55-38-0020	7204611	1496750	7-68	2	303	20,315	3.99	810	35	16,155	3.50	565	8-71		38	682	.07	35	49
55-38-0020	7204614	1387978	7-68	2	292	19,850	3.19	634	27	16,065	3.52	565	7-71		40	805	-.05	21	42
55-38-0034	6380453	1441026	7-65	4	302	20,512	3.46	710	47	16,120	3.52	567	10-71		41	1,043	-.05	30	56
55-38-0034	6516637	1443161	12-65	4	296	18,525	3.83	709	45	16,227	3.46	562	1-72		41	616	.06	31	44
55-38-0034	7214099	1506745	12-68	2	305	19,255	3.68	708	55	15,180	3.66	555	1-72		32	827	-.02	27	47
55-38-0034	7231106	1506745	10-68	1	305	21,390	3.54	758	29	14,660	3.79	556	5-71		26	959	-.04	28	52
55-38-0034	7231107	1506745	12-68	2	305	18,485	3.64	672	33	14,470	3.72	539	4-72		32	811	-.03	25	45
55-38-0037	4952867	1192713	8-59	4	305	22,233	3.44	765	17	17,043	3.67	626	4-72		44	886	-.04	26	48
55-38-0037	6719087	1261857	9-66	4	305	22,713	3.63	824	18	16,868	3.69	622	1-72		44	1,135	.05	48	7[illegible]
55-38-0037	6719088	1261857	9-66	4	305	23,113	3.71	858	29	16,143	3.62	584	12-71		44	1,265	.07	56	84
55-38-0037	6821630	1261857	12-66	3	305	21,377	4.01	858	31	16,537	3.55	587	11-71		42	973	.12	54	74
55-40-0019	6520589	1461450	12-65	4	295	20,017	3.53	706	41	16,650	3.57	595	10-71		39	757	-.03	23	42
55-40-0019	6921555	1387978	12-67	2	305	21,660	3.80	823	44	15,570	3.76	585	12-70		40	1,034	.00	38	62
55-40-0021	7339607	1387978	5-69	1	305	20,690	3.48	720	34	16,600	3.46	574	7-71		36	750	-.01	26	44
55-40-0021	7358922	1387978	7-69	1	305	21,150	3.63	768	31	16,370	3.45	564	9-71		36	800	.01	30	49
55-40-0027	7130113	1387978	8-68	1	305	19,540	3.61	705	27	15,550	3.63	565	5-71		36	735	-.01	25	43
55-40-0038	7098287	1261857	8-67	2	305	18,655	4.26	794	21	15,745	3.80	598	5-71		40	714	.12	44	5[illegible]
55-40-0045	6607377	1268297	2-66	4	302	19,813	3.72	737	33	16,400	3.72	610	9-71		43	636	.06	32	4[illegible]
55-40-0045	6885757	1407362	5-67	2	305	20,270	3.69	748	28	16,755	3.43	574	3-71		33	670	.07	35	44
55-40-0045	7090180	1387978	7-68	2	305	17,400	4.01	698	27	15,140	3.64	551	11-71		40	541	.04	29	43
55-40-0045	7268431	1347940	8-68	1	305	15,730	3.85	605	33	14,200	3.36	477	9-71		36	631	.03	28	42
55-40-0051	6229478	1259069	11-64	5	305	20,238	4.30	871	20	17,582	3.63	639	5-71		44	513	.10	33	43
55-40-0051	6990999	1261857	5-67	3	302	20,130	3.86	777	31	17,673	3.56	630	9-71		42	712	.10	41	55
55-40-0051	7596021	1447414	2-70	1	305	21,200	3.54	750	23	18,770	3.49	6[illegible]5	2-72		35	826	-.02	26	46
55-40-0052	5629554	1353255	8-62	7	300	19,950	3.70	739	31	16,025	3.71	594	5-71		38	648	.04	30	44
55-40-0052	5719068	1189679	8-62	7	303	17,973	3.87	696	36	15,691	3.61	567	6-71		44	682	.02	27	43
55-40-0062	6730919	1261857	11-66	3	305	17,490	3.62	633	30	14,993	3.72	557	9-71		42	685	.05	32	47
55-40-0062	6730920	1261857	12-66	3	301	16,773	4.03	676	30	14,993	3.72	557	9-71		42	603	.10	37	49
55-40-0082	7561075	1447414	1-70	1	305	18,050	3.62	654	11	14,830	3.27	485	12-71		35	856	-.01	30	51
55-40-6029	7140490	1261857	12-67	2	298	20,095	3.72	748	10	14,230	3.30	470	3-71		40	958	.10	51	72
55-42-0003	7322322	1386406	12-68	1	305	22,430	3.99	894	10	17,010	3.99	679	5-71		36	682	.03	29	44
55-42-0003	7322323	1386406	1-69	1	305	21,380	4.19	895	9	16,990	4.05	688	6-71		36	605	.05	29	42
55-42-0003	7365722	1447414	6-69	1	305	20,190	4.51	911	10	17,590	4.01	705	6-71		35	830	.03	35	54
55-42-0005	5851644	1239886	2-63	7	300	21,137	3.38	714	32	16,667	3.63	605	12-71		44	724	-.01	24	42
55-42-0005	6714785	1239242	9-66	3	305	24,410	3.79	925	32	17,823	3.56	635	10-71		42	951	.03	39	61
55-42-0005	7177765	1347940	6-68	2	305	20,935	3.70	775	39	18,205	3.59	654	12-71		40	803	.01	31	5[illegible]
55-42-0005	7470195	1447414	8-69	1	305	21,740	3.85	838	27	19,170	3.65	699	12-71		35	840	.00	30	5[illegible]
55-43-0007	6279105	842876	12-64	6	297	21,205	3.07	651	39	16,397	3.35	550	2-72		44	943	-.09	20	45
55-43-0007	6309335	1447414	5-65	4	302	20,882	3.43	717	38	15,930	3.43	546	2-72		43	1,176	-.03	38	67
55-43-0007	6661641	1222994	9-66	3	298	22,210	3.29	730	33	17,317	3.23	559	4-71		42	861	-.01	30	51
55-43-0007	6692357	1475485	10-66	4	250	22,110	3.27	723	33	17,305	3.33	577	4-72	A	38	793	-.04	23	43
55-43-0007	6840067	1473347	3-67	3	300	21,103	3.23	682	53	15,730	3.47	546	10-71		37	1,271	-.08	33	66
55-43-0007	6907344	1474638	7-67	2	305	22,890	2.96	677	55	15,660	3.48	545	12-70		35	1,079	-.10	23	52
55-43-0007	7063370	1261857	11-67	2	305	25,240	3.39	855	30	18,065	3.18	575	6-71		40	1,170	.06	52	78
55-43-0007	7116832	1495135	3-68	2	305	19,310	3.92	757	60	16,315	3.54	577	11-71		36	566	.09	39	53
55-43-0007	7116835	1495135	3-68	1	305	18,600	3.83	713	49	16,660	3.48	579	1-72		32	541	.08	32	43
55-43-0008	6972607	1261857	10-67	2	305	15,810	4.26	673	6	13,145	3.66	481	8-71		40	663	.12	42	55
55-44-0026	7494775	010291309	9-67	2	305	21,935	3.24	711	81	15,710	3.58	562	8-71		35	854	-.05	23	45
55-44-0062	6718365	1447414	5-65	3	305	18,213	4.01	730	32	16,206	3.70	599	12-71		42	808	.03	33	52
55-44-0062	6814647	1465714	7-66	2	305	21,265	3.43	729	30	16,695	3.71	619	1-71		35	890	-.09	19	43

TABLE 3. HOLSTEIN USDA-OHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C D	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
55-44-0062	6814648	1465714	7-66	2	305	22,340	3.07	685	30	16,810	3.68	618	3-71		35	997	-.14	14	$ 42
55-44-0062	6930962	1261857	9-67	2	295	18,905	3.49	659	36	16,170	3.70	598	7-71		40	700	.03	30	46
55-44-0067	6742430	1469898	12-66	1	305	22,180	3.45	766	27	15,280	3.61	551	1-71		29	945	-.06	25	49
55-44-0067	6742433	1261857	1-67	3	305	17,440	3.39	591	29	14,700	3.50	515	5-71		42	710	.04	31	47
55-44-0067	7069089	1478906	12-67	2	305	20,920	3.10	648	32	14,175	3.59	509	8-71		30	974	-.10	20	46
55-44-0067	7325335	1406271	5-69	1	305	22,880	3.60	823	43	15,150	3.66	554	1-72		36	990	.03	41	64
55-48-0054	7066492	1406271	5-68	2	305	23,420	2.93	687	37	17,090	3.46	592	12-71		40	1,054	-.05	30	57
55-53-0009	6652061	1085978	9-66	4	301	22,095	3.70	818	42	18,088	3.89	704	12-71		44	951	-.04	28	52
55-53-0009	7298691	1506745	1-69	1	305	22,750	3.71	843	35	17,500	3.89	680	4-71		26	856	-.04	25	46
55-53-0017	6351762	1399628	8-65	4	305	22,147	3.51	778	39	16,395	3.76	616	1-71		39	981	-.07	25	50
55-53-0017	6782358	1377954	9-66	3	305	20,460	3.89	795	42	17,883	3.68	658	10-71		42	678	.05	32	47
55-53-0017	6846668	1377954	4-67	3	305	19,737	3.35	661	53	16,247	3.47	564	12-71		42	764	-.01	26	44
55-53-0017	6846677	1261857	4-67	2	303	20,375	3.70	754	41	18,450	3.61	666	1-71		40	641	.07	33	46
55-53-0017	7201130	1261857	7-67	2	305	22,850	3.57	816	38	18,490	3.60	666	2-71		40	889	.05	40	60
55-53-0017	7201134	1261857	9-67	2	305	19,090	3.70	707	59	16,750	3.44	577	10-71		40	666	.09	37	51
55-53-0017	7502161	1427381	11-69	1	305	20,150	3.59	724	66	18,180	3.37	613	12-71		36	942	.06	43	64
55-54-0033	7605304	1406271	3-70	1	282	16,980	3.70	628	27	13,710	3.54	486	12-71		36	647	.05	31	45
55-54-0037	6457647	1406271	9-65	5	302	19,842	3.73	741	29	15,520	3.68	571	11-71		44	929	.04	40	61
55-54-0037	6632680	1406271	7-66	3	304	18,127	3.62	657	32	14,553	3.78	550	9-71		42	784	.02	31	49
55-54-0037	6632682	1406271	9-66	4	302	17,630	3.94	695	33	15,160	3.73	565	11-71		44	677	.06	34	46
55-54-0037	7612449	1406271	9-69	1	305	22,270	3.24	722	35	17,310	3.51	607	11-71		36	800	.01	30	49
55-56-0010	6466407	1331709	1-66	4	299	19,518	3.41	665	6	14,680	3.51	515	9-71		44	821	-.05	22	43
55-56-0010	7231691	1261857	10-68	2	305	19,635	3.37	661	11	15,685	3.39	532	12-71		40	819	.04	36	54
55-57-0009	7139706	1377954	6-67	3	278	18,753	3.66	686	20	13,243	3.58	474	1-72	8	42	962	.02	38	60
55-57-0009	7505806	1406271	7-69	1	305	15,910	3.76	598	11	12,850	3.56	457	10-71		36	625	.05	30	44
55-59-0014	7552244	1427381	9-69	1	305	19,030	3.60	685	23	16,060	3.50	562	12-71		36	1,001	.04	43	66
55-59-0040	6904644	1261857	6-67	3	292	18,340	3.65	669	15	16,430	3.72	611	4-71		42	634	.05	30	44
55-61-0009	6532498	1441198	11-65	4	299	18,088	3.96	717	40	13,720	3.47	476	11-71	8	30	654	.08	36	49
55-61-0015	6907418	1367353	8-67	2	305	21,555	3.68	793	17	16,460	3.32	546	12-70		40	601	.06	31	44
55-63-0001	6530686	1399824	4-66	4	296	15,185	3.88	589	58	12,420	3.78	470	7-71		44	623	.04	28	42
55-63-0001	6595919	1206797	4-66	2	305	20,105	3.43	689	52	13,395	3.79	508	10-71		40	888	-.04	26	46
55-63-0001	7175679	1347940	3-68	1	305	18,250	3.69	673	63	14,400	3.88	558	1-71		36	805	-.01	29	47
55-63-0001	7445599	1410733	9-69	1	303	19,880	4.56	906	49	14,300	3.99	570	12-71		35	661	.07	34	46
55-63-0001	7574596	1447414	9-69	1	305	17,680	3.47	614	47	14,270	4.02	573	12-71		35	866	-.07	21	43
55-67-0005	6481922	1453010	8-65	5	305	22,250	3.61	803	33	17,024	3.68	626	2-72		40	869	-.02	28	44
55-67-0005	7058155	1261857	8-67	3	293	20,473	3.68	753	47	16,910	3.64	616	10-71		42	830	.06	39	57
55-67-0010	5795985	1199324	11-62	6	295	20,507	3.55	727	12	15,683	3.84	602	2-72		44	1,069	-.05	31	58
55-67-0014	5907807	1369029	5-63	6	305	19,718	4.15	819	24	16,517	3.86	638	12-71		44	568	.08	32	43
55-67-0014	6633499	1261857	9-66	4	305	20,033	3.68	738	27	17,870	3.73	666	2-72		44	692	.05	33	48
55-67-0014	7014119	1261857	9-67	2	305	18,950	3.87	733	24	17,375	3.64	632	6-71		40	595	.08	34	46
55-67-0014	7306692	1458744	12-68	1	305	19,130	3.87	741	38	16,670	3.74	624	7-71		36	679	.01	26	42
55-67-0015	6195688	1217478	9-64	5	305	16,462	4.43	730	16	13,866	3.72	516	5-71		44	421	.15	37	43
55-67-0015	6936362	1389915	9-67	2	305	17,670	3.98	703	14	13,960	3.70	517	5-71		38	754	.00	27	45
55-67-0016	5558682	1199324	10-61	8	291	22,413	3.36	754	24	17,471	3.59	628	4-72		44	1,108	-.05	32	60
55-67-0016	6484056	1347940	8-65	4	303	21,577	3.49	753	31	18,342	3.51	643	8-71		44	908	-.01	31	53
55-67-0016	6484061	1273756	8-65	4	305	22,410	3.53	790	26	18,450	3.49	643	6-71		44	838	.03	35	54
55-67-0016	6908323	1494358	8-67	2	305	22,865	3.59	821	31	16,810	3.61	607	11-70		32	933	-.04	27	5[illegible]
55-67-0018	6110133	1441862	5-64	6	301	21,357	3.25	694	34	15,847	3.53	559	12-71		32	897	-.07	22	45
55-67-0018	6709263	1417208	12-66	4	295	23,790	2.98	710	29	17,200	3.41	587	12-71		44	1,213	-.08	31	62
55-67-0018	6709264	1417208	1-67	3	305	25,450	3.13	796	23	17,483	3.46	605	2-72		42	1,325	-.06	38	71
55-67-0018	7179254	1383311	9-68	2	297	22,865	3.85	880	43	16,580	3.47	576	11-71		40	749	.05	34	51
55-67-0018	7503709	1427381	9-69	1	305	17,560	3.54	622	65	16,030	3.44	552	8-71		36	893	.04	39	59
55-67-0027	5397602	1175471	7-60	8	304	21,495	3.77	811	29	14,886	3.74	557	2-71		44	973	.05	43	65
55-67-0027	6805607	1344811	6-65	5	305	22,490	3.46	779	27	16,004	3.74	599	11-71		32	1,054	-.05	30	57
55-67-0028	5833477	1386774	1-63	7	305	23,596	3.33	786	22	17,971	3.64	654	4-72		36	902	-.08	21	45
55-67-0031	6813388	1481341	5-67	3	303	22,470	3.84	862	21	17,697	3.77	667	4-72		32	721	.02	29	46
55-67-0035	5736758	1244845	11-62	5	305	21,108	3.61	762	15	16,538	3.77	624	7-71		44	813	-.05	22	43
55-67-0035	6640069	1283917	9-66	3	304	23,210	3.33	774	9	16,616	3.85	639	3-71		42	993	-.14	15	42
55-67-0035	7405064	1458744	10-68	1	305	23,510	3.45	812	48	16,260	3.85	626	8-71		36	1,033	-.04	31	57
55-67-0038	6511619	1331709	2-66	3	304	22,217	3.69	820	51	16,803	3.84	646	7-71		42	875	-.04	25	47
55-67-0038	6953603	1261857	10-67	2	303	19,065	3.99	761	22	17,290	3.78	653	4-71		40	614	.09	35	47
55-67-0038	7159944	1500773	8-68	2	305	24,190	3.96	959	35	19,290	3.80	733	1-72		35	712	.06	35	50
55-67-0054	6933627	1261857	7-67	3	305	20,130	4.09	823	18	14,933	3.58	535	9-71		42	995	.13	56	76
55-67-0060	7565721	1447414	10-69	1	305	27,400	2.97	813	18	17,940	3.39	608	12-71		35	1,351	-.09	34	69
55-67-0068	5645299	1399628	9-62	5	305	23,556	3.38	797	31	15,738	3.83	602	8-70		40	1,292	-.10	31	65
55-67-0068	6119037	1399628	7-64	4	305	21,587	3.53	761	29	16,577	3.79	629	6-71		39	885	-.07	21	44
55-67-0084	6054930	1189870	4-63	7	298	18,533	3.84	711	15	15,224	3.48	530	4-72		44	635	.06	32	45
55-67-0084	6870108	1474754	7-67	3	302	19,453	3.46	674	40	15,360	3.57	548	12-71		33	820	-.05	22	43
55-67-0084	6939627	1474754	3-67	3	251	20,956	3.27	686	46	15,406	3.56	549	5-71		33	1,016	-.08	24	5[illegible]
55-67-0084	6967451	1474754	10-67	3	304	20,313	3.39	689	40	15,536	3.58	556	12-71		33	914	-.07	23	47
55-67-0084	7400575	1417208	8-69	1	305	21,550	3.26	702	18	14,900	3.72	555	9-71		36	910	-.04	27	5[illegible]
55-74-0009	6585356	1377954	11-65	4	304	23,170	3.43	794	21	19,620	3.43	673	12-71		44	836	.01	31	51
55-74-0009	6801982	1222994	1-67	3	305	23,190	3.52	816	27	19,790	3.53	699	1-72		42	717	.00	26	43
55-74-0009	6841641	1261857	1-67	4	293	22,995	3.40	781	29	20,045	3.48	697	1-72		44	616	.03	34	53
55-74-0009	6853340	1261857	5-67	3	294	23,180	3.76	872	31	15,223	3.65	555	1-72		42	1,316	.07	59	88
55-74-0009	7558092	1261857	12-69	1	305	26,270	2.84	746	36	19,370	3.73	723	12-71		36	962	-.05	28	53
55-75-0014	6508696	1406271	4-65	5	298	18,218	3.49	635	30	15,322	3.47	532	10-71		44	743	.03	31	48
55-75-0014	6508712	1355784	8-65	4	305	20,835	3.23	672	42	15,187	3.52	535	11-71		43	1,169	-.11	25	56
55-75-0014	6805861	1469869	8-66	3	305	20,920	3.37	704	38	14,767	3.51	519	1-71		31	963	-.04	29	53
55-75-0014	7032339	1494749	1-68	3	301	19,843	3.43	681	22	14,810	3.39	502	3-72		32	782	.00	28	47
55-75-0027	7125887	1261857	9-67	2	305	20,350	3.11	633	26	16,910	3.29	556	7-71		40	779	.02	31	49
55-75-0027	7125888	1261857	12-67	3	294	21,760	3.14	684	20	17,430	3.25	567	1-72		42	924	.02	36	58
55-75-0030	6621525	1329588	8-66	4	304	22,973	3.36	771	36	16,583	3.53	585	12-71		44	1,012	-.05	29	54
55-75-0030	6928023	1496510	8-67	2	301	23,795	2.94	700	32	16,565	3.69	611	8-71		29	1,115	-.17	14	45
55-75-0030	6979038	1350190	12-67	3	300	24,003	3.57	857	36	18,923	3.55	671	1-72		42	853	-.04	25	46

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C O	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
55-75-0030	7161265	1350190	7-68	2	300	21,270	4.23	899	33	17,735	3.47	615	10-71		40	617	.06	32	$ 45
55-75-0053	7189440	1261857	10-67	3	298	17,013	3.96	673	36	14,643	3.69	541	8-71		42	667	.09	38	51
55-75-0072	5226019	1228022	6-60	6	304	19,127	3.43	656	6	14,237	3.48	496	7-71		44	1,168	-.07	32	62
55-78-0021	6393518	1430386	11-65	5	293	20,934	3.74	782	13	15,824	3.68	582	1-72		36	858	.04	37	56
55-78-0023	6227914	1417208	11-64	4	304	17,688	3.65	645	13	14,718	3.66	538	2-71		44	735	.01	28	45
55-78-0023	7474278	1427381	8-69	1	305	18,160	3.15	572	26	14,160	3.53	500	12-71		36	1,064	.00	39	64
55-78-0023	7474279	1427381	12-69	1	305	16,590	3.41	566	23	14,010	3.53	495	1-72		36	957	.03	39	61
55-78-0023	7474280	1427381	12-69	1	305	19,940	3.35	667	26	14,160	3.53	500	12-71		36	1,196	.02	46	74
55-79-0013	6526808	1444809	1-66	3	305	20,983	3.65	766	5	15,610	3.52	549	11-70		33	713	.02	29	45
55-79-0014	7191532	1396740	10-68	2	258	20,380	4.24	865	15	16,735	3.67	615	2-72		40	460	.14	37	44
55-79-0017	6912467	1486640	10-67	2	305	21,405	3.40	727	43	18,045	3.39	612	8-71		36	811	-.01	28	48
55-79-0017	7551306	1447141	9-69	1	209	23,750	3.13	743	43	17,630	3.42	603	9-71	8	36	723	.01	28	45
55-79-0020	6815121	1261857	1-67	3	305	16,140	3.85	622	16	13,703	3.70	507	1-72		42	664	.07	35	49
55-79-0062	7355195	1261857	11-68	2	305	18,515	3.65	676	22	14,490	3.54	513	8-71		40	814	.06	39	57
55-79-0062	7355196	1261857	12-67	2	305	18,240	3.49	636	19	15,070	3.55	535	12-71		40	733	.04	33	49
55-79-0062	7355198	1261857	10-68	2	305	18,310	3.24	594	20	14,845	3.55	527	10-71		40	761	.02	30	48
55-79-0076	7223040	1399283	1-69	2	305	20,255	3.63	735	5	14,745	3.62	534	3-72		40	815	-.03	25	45
55-80-0001	6601511	1406271	8-66	3	301	20,310	3.23	655	19	15,473	3.45	534	2-71		42	939	-.01	32	55
55-80-0001	6916442	1450228	9-67	2	305	21,135	3.23	683	22	14,515	3.43	498	9-71		39	1,230	-.06	35	66
55-80-0001	6916443	1473442	11-67	2	305	19,520	3.46	676	23	14,655	3.41	500	12-71		39	881	-.04	25	47
55-83-0017	6448985	1428204	6-64	6	302	21,175	3.13	663	23	16,083	3.44	553	3-72		35	930	-.08	22	40
55-83-0017	6622083	1490584	9-66	2	302	20,950	3.61	756	14	15,750	3.40	536	10-70	H	29	830	.01	31	51
55-83-0017	6789803	1490584	1-67	3	305	20,646	3.20	660	22	14,990	3.44	516	10-71		32	957	-.07	24	49
55-85-0006	5019998	1162188	4-59	4	305	20,765	3.21	667	8	14,133	3.50	495	1-71		44	1,062	-.09	25	53
55-91-0005	5920777	1192713	10-63	6	305	23,423	3.07	720	59	17,973	3.09	555	10-71		44	959	-.04	29	53
55-91-0005	6151373	1244009	8-64	5	305	23,542	2.84	668	38	18,362	3.11	571	2-72		44	1,110	-.11	23	52
55-91-0005	6480721	1303502	10-65	4	305	22,763	3.10	705	50	17,498	3.07	537	11-71		44	773	-.02	25	44
55-91-0005	6675074	1261857	7-66	3	305	20,180	3.12	630	70	16,987	3.08	523	7-71		42	788	.04	35	53
55-91-0005	6675076	1261857	7-66	3	305	18,713	3.36	628	78	16,773	3.06	514	7-71		42	642	.08	35	48
55-91-0005	6675078	1261857	8-66	3	305	19,270	3.24	625	74	17,037	3.08	525	9-71		42	679	.06	34	48
55-91-0005	7293170	1387978	10-68	1	305	20,560	3.10	638	65	15,980	3.06	489	6-71		36	782	-.02	25	44
55-91-0010	6136716	1414893	9-64	5	302	21,632	3.36	727	55	16,356	3.58	585	9-71		38	941	-.03	30	53
55-91-0010	6568931	1441026	5-66	4	305	18,997	3.48	661	48	15,615	3.64	568	9-71		41	906	-.06	23	46
55-91-0010	6895127	1485410	8-67	2	305	20,890	3.52	736	49	15,995	3.71	593	2-71		33	823	-.04	23	44
55-91-0015	6516838	1441026	10-65	4	303	19,492	3.87	755	29	17,125	3.64	624	11-70		41	794	.00	29	48
55-91-0017	6398085	1245520	6-65	4	305	23,273	3.04	708	30	17,878	3.39	606	12-71		44	944	-.10	18	43
55-91-0017	6436373	1239886	11-65	4	305	22,723	3.22	732	34	17,243	3.38	583	8-71		44	832	-.01	28	49
55-91-0017	6822669	1261857	7-66	4	302	20,598	3.62	746	28	17,938	3.33	598	2-72		44	755	.09	41	56
55-91-0017	6832993	1261857	8-66	4	300	19,480	4.06	790	42	17,290	3.40	587	7-71		44	689	.15	48	5[illegible]
55-91-0020	6443934	1452607	8-65	4	305	18,107	3.59	650	29	14,147	3.56	504	2-71		40	855	-.01	29	5[illegible]
55-91-0047	6672825	1261857	7-66	3	301	16,603	3.36	558	29	14,123	3.36	475	7-71		42	573	.04	31	40
55-91-6003	6516841	1137421	2-66	4	305	20,993	4.05	850	15	18,228	3.47	632	9-71		42	449	.13	36	43
55-91-6048	6743454	1261857	10-66	3	299	16,110	4.17	672	10	13,843	3.74	518	5-71		42	545	.11	40	52
55-95-0006	6463932	1441026	10-65	5	297	22,280	3.35	747	65	18,570	3.74	694	1-72		42	1,006	-.11	19	46
55-95-0006	6614265	1453485	3-66	3	305	21,827	3.70	808	48	17,663	3.75	663	10-71		39	779	-.01	26	45
55-97-0001	6484060	1347940	9-65	5	305	18,266	3.49	637	22	15,004	3.22	483	1-72		44	882	.03	36	56
55-97-0001	6638301	1468155	9-66	2	305	25,555	2.82	720	13	16,960	3.08	522	3-71		29	1,256	-.12	25	59
55-97-0001	6858098	1261857	7-67	3	302	20,657	3.35	692	21	18,087	3.11	563	1-72		42	729	.08	38	53
55-97-0001	6972146	1468155	12-67	1	305	26,680	2.51	670	15	15,780	3.35	528	8-70		23	1,200	-.17	16	44
55-97-0001	7188027	1261857	10-68	1	305	21,900	2.98	652	28	17,250	3.16	545	9-71		36	798	.02	32	5[illegible]
55-97-0001	7245734	1261857	12-68	1	305	22,210	2.55	566	35	16,910	3.13	530	10-71		36	844	-.02	27	4[illegible]
56-04-0008	6839030	1406271	6-67	2	305	18,535	3.46	641	9	14,885	3.48	518	4-71		40	759	.03	32	4[illegible]
56-04-0008	7252139	1493686	12-68	1	305	19,740	3.43	677	7	14,500	3.44	499	4-71		35	821	.03	34	53
56-04-0014	5741296	1378614	1-63	5	305	19,838	3.31	657	14	13,840	3.45	478	4-71		36	1,198	-.08	31	52
56-04-0038	7099726	1355784	7-68	1	305	25,810	2.65	683	29	14,510	3.59	521	11-70		35	1,368	-.18	21	5[illegible]
56-06-0004	6334470	1341149	9-64	4	305	23,860	3.44	821	30	15,470	3.66	566	7-71		44	1,099	-.09	25	55
56-06-0004	6334473	1406271	12-64	5	298	18,078	3.59	649	42	15,154	3.64	552	9-71		44	744	.03	31	4[illegible]
56-15-0006	5801705	1249419	12-62	7	301	18,533	3.59	666	40	13,847	3.68	509	11-71		36	707	.00	25	42
56-15-0006	6707043	1261857	10-66	3	305	19,187	3.79	728	65	16,060	3.72	597	12-71		42	770	.07	38	54
56-16-0001	6090781	1199324	4-64	4	305	20,888	3.40	711	33	16,125	3.44	554	1-72		44	1,046	-.02	34	5[illegible]
56-16-0001	7023028	1406271	6-66	3	305	19,050	3.12	595	33	15,943	3.39	541	11-71		42	746	-.01	25	4[illegible]
56-18-0006	6848545	1406271	10-66	2	305	19,770	3.39	671	14	15,630	3.68	575	1-71		40	517	.00	30	44
56-18-0006	7640642	1493686	12-68	1	305	16,460	3.98	655	34	13,230	3.80	503	8-71		35	659	.05	32	46
56-19-0010	6305544	1406271	1-65	5	305	16,002	3.61	577	15	14,243	3.20	456	1-72		44	582	.06	33	45
56-21-0012	6787214	1406271	12-66	3	305	20,753	3.35	695	6	14,763	3.53	521	10-71		42	1,064	.00	35	63
56-23-0002	6522793	1261857	3-66	3	305	20,167	3.56	718	85	16,470	3.54	583	3-71		42	640	.06	39	57
56-23-0002	6747004	1453485	2-66	2	305	20,535	4.03	827	53	17,145	3.60	617	4-72		36	533	.05	30	4[illegible]
56-23-0002	7013871	1493686	2-68	2	305	19,165	3.52	675	116	15,755	3.54	558	8-71		40	760	.02	31	4[illegible]
56-23-0002	7085617	1261857	7-66	3	301	19,767	3.36	665	68	17,513	3.58	627	1-72		42	686	.02	23	4[illegible]
56-23-0002	7085618	1261857	8-66	3	305	18,983	3.78	717	72	16,500	3.55	585	7-71		42	701	.08	38	5[illegible]
56-23-0010	6781857	1473442	10-66	4	305	20,062	3.26	654	18	14,007	3.59	503	2-72		42	1,112	-.09	25	5[illegible]
56-23-0010	6781858	1261857	11-66	4	284	15,280	3.80	581	23	13,775	3.63	500	8-71		44	560	.08	32	4[illegible]
56-23-0010	6781859	1406271	12-66	3	294	16,767	3.46	580	15	14,013	3.64	510	2-71		42	583	.01	26	4[illegible]
56-23-0010	6894553	1406271	4-67	3	301	20,753	3.44	714	20	13,017	3.58	466	8-71		42	1,245	.01	46	7[illegible]
56-27-0012	6705391	1261857	8-66	3	305	18,547	3.76	697	55	15,437	3.63	560	4-72		42	761	.08	39	5[illegible]
56-27-0012	6705392	1261857	9-66	3	305	16,673	3.53	589	82	14,720	3.66	539	9-71	H	42	620	.04	23	4[illegible]
56-27-0012	6705393	1261857	12-66	2	305	21,515	3.34	719	49	15,735	3.68	579	2-71		40	1,005	.01	38	6[illegible]
56-27-0012	6705394	1261857	1-67	3	305	20,263	3.70	750	49	15,667	3.69	578	2-72		42	935	.06	43	[illegible]
56-27-0012	6908406	1261857	9-67	2	305	17,800	3.67	654	69	14,915	3.67	548	11-71		40	703	.06	34	[illegible]
56-27-0012	6908408	1261857	9-67	2	305	18,700	3.56	666	84	14,900	3.67	547	8-71		40	796	.04	35	5[illegible]
56-27-0012	7033244	1421089	12-67	2	305	21,725	3.45	750	46	15,475	3.67	568	1-72		30	858	-.03	25	47
56-30-0003	5603544	1138451	12-61	5	296	23,482	3.58	841	27	16,114	3.50	564	10-71		44	810	.01	31	5[illegible]
56-30-0003	6109253	1406271	6-64	4	305	19,000	3.41	648	18	16,330	3.50	572	6-71		44	716	.01	26	4[illegible]
56-30-0003	6198572	1406271	9-64	4	305	21,478	3.35	719	27	15,908	3.51	558	11-71		44	1,069	.00	38	6[illegible]
56-30-0003	6430311	1406271	7-65	4	305	18,830	3.45	649	25	16,438	3.50	576	10-71		44	683	.02	28	4[illegible]

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C O	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
56-30-0003	6488848	1406271	8-65	4	305	19,105	3.52	672	25	16,150	3.50	566	8-71		44	749	.03	32	$ 49
56-30-0003	6795560	1367353	12-66	2	305	24,525	3.34	820	17	18,170	3.43	624	12-71		40	747	.00	27	45
56-30-0003	7108337	1493686	7-68	2	305	21,135	3.35	708	14	18,330	3.38	620	4-72		40	725	.02	29	46
56-30-0003	7205808	1493686	7-68	1	305	23,060	3.44	794	16	18,940	3.46	655	1-71		35	770	.03	32	50
56-30-0003	7205809	1493686	8-68	1	305	22,130	3.36	744	16	18,070	3.44	621	3-71		35	759	.02	30	48
56-30-0003	7205810	1493686	8-68	1	305	20,650	3.41	705	31	15,610	3.47	541	7-71		35	814	.02	33	52
56-30-0038	6613107	1406271	11-65	4	305	20,525	3.33	684	24	16,078	3.44	553	4-71		44	932	.00	34	56
56-30-0038	6669914	1406271	10-66	1	305	22,550	3.08	695	34	15,690	3.39	532	10-71		36	929	.00	33	55
56-34-0020	5569799	1162188	11-60	9	289	18,158	3.54	643	26	13,602	3.60	490	2-71		44	820	-.04	24	45
56-34-0020	6760841	1383311	1-67	3	305	22,810	3.44	784	34	15,153	3.74	566	1-71		42	975	-.05	28	53
56-34-0028	6058579	1216957	4-64	5	305	21,306	3.80	809	32	16,624	3.68	611	3-72		44	627	.06	31	44
56-34-0028	6408350	1406271	10-65	4	305	18,500	3.77	698	29	16,875	3.68	621	4-72		44	594	.05	29	42
56-34-0028	6408351	1406271	10-65	4	305	23,083	3.32	767	33	16,650	3.60	600	7-71		44	1,185	-.02	39	68
56-34-0028	6452222	1406271	1-66	4	305	18,778	3.75	705	26	16,063	3.67	589	7-71		44	718	.05	33	49
56-34-0028	6615755	1406271	8-66	3	305	21,447	3.69	791	30	17,847	3.68	656	2-71		42	825	.04	36	55
56-34-0028	7347172	1493686	4-69	1	305	18,220	3.96	721	32	15,560	3.61	561	9-71		35	634	.07	33	46
56-36-0011	6275633	1406271	2-65	2	303	18,245	3.10	566	40	14,895	3.52	525	10-71		40	729	-.02	24	42
56-36-0011	6761230	1355784	3-66	2	305	22,145	3.81	844	23	14,710	3.62	532	1-71		40	1,244	-.03	40	70
56-36-0011	6767741	1406271	1-67	3	305	19,533	3.53	689	16	15,913	3.61	574	3-71		42	805	.02	32	51
56-36-0011	6997382	1493686	7-67	2	287	17,865	3.62	647	32	15,455	3.51	542	11-71		40	655	.04	30	44
56-36-0011	7238280	1406271	7-68	1	305	20,840	3.49	728	25	15,000	3.31	496	5-71		36	848	.04	37	56
56-36-0025	6513983	1446184	1-66	4	305	19,598	3.35	657	38	13,595	3.65	496	8-71		33	950	-.05	26	50
56-36-0025	6820560	1486805	5-67	3	304	19,710	3.53	695	51	13,530	3.75	507	8-71		33	945	-.04	28	52
56-36-0035	6230437	1406271	1-65	1	286	21,180	3.43	726	83	13,870	3.55	492	8-71		36	949	.02	38	60
56-36-0035	6741799	1268294	1-67	4	302	19,768	3.92	774	30	16,965	3.38	574	3-72		44	602	.06	30	43
56-36-0046	6919915	1222994	8-66	3	305	18,560	3.77	700	17	15,633	3.51	549	9-71		42	615	.04	28	42
56-38-0003	6817491	1406271	10-65	4	305	15,895	3.56	566	34	12,398	3.65	452	10-71		44	770	.02	31	49
56-38-0008	6341957	1406271	10-64	6	297	18,072	3.77	681	41	14,685	3.85	566	1-72		44	798	.03	33	51
56-38-0008	6369257	1430162	4-65	2	303	21,160	3.84	812	73	13,960	3.76	525	10-71		38	853	.05	39	58
56-38-0008	7108329	1458744	5-68	2	305	18,080	3.58	648	64	14,330	3.82	547	1-72		40	830	-.03	26	46
56-38-0008	7111140	1290182	9-66	4	305	19,488	3.94	768	63	14,353	3.85	552	12-71		44	671	.03	29	44
56-38-0008	7620959	1503949	12-68	1	305	22,100	3.91	865	40	14,090	3.61	509	6-71		23	839	.04	36	55
56-38-0008	7620961	1503949	2-69	1	305	21,600	3.29	710	68	14,080	3.66	516	8-71		23	795	-.04	22	42
56-38-0036	6992380	1330987	10-67	2	305	17,155	3.48	597	13	12,365	3.55	439	12-71		40	764	.02	31	49
56-38-0036	7185934	1435690	6-68	1	305	20,430	3.59	734	12	12,180	3.65	444	1-71		36	501	.06	31	44
56-38-0036	7198194	1435690	7-68	2	295	20,410	3.23	659	10	11,675	3.66	427	3-72		40	862	.01	32	52
56-38-0069	7040985	1406271	9-66	1	305	16,850	3.97	669	14	14,410	3.53	509	1-71		36	590	.07	32	44
56-38-0069	7248078	1406271	11-67	2	305	18,825	3.52	663	12	15,450	3.62	560	11-71		40	737	.02	30	47
56-38-0072	6192307	1237057	10-64	4	305	18,670	3.68	687	38	12,838	3.76	483	12-71		44	964	-.04	29	53
56-39-0020	6263035	1341149	1-65	5	304	21,232	3.62	768	50	15,210	3.80	578	10-71		44	836	-.07	20	42
56-39-0020	6331408	1271810	4-65	5	304	19,244	3.67	707	40	14,282	3.86	551	10-71		44	921	-.05	26	49
56-40-0003	6185058	1406271	7-64	2	305	17,830	3.45	615	24	12,845	3.60	463	3-71		40	874	.02	34	54
56-40-0015	6725815	1491902	9-66	3	294	20,057	3.48	697	8	14,523	3.59	521	9-71		29	791	-.02	25	44
56-40-0020	7187463	1375967	8-68	1	305	23,410	3.34	783	64	15,010	3.56	535	5-71		36	898	-.09	18	42
56-40-0020	7481502	1406271	7-59	1	305	18,380	3.55	652	69	14,010	3.58	501	8-71		36	731	.03	31	48
56-41-0008	6920738	1406271	10-67	2	305	16,955	4.41	748	49	15,440	3.54	547	7-71		40	548	.14	40	49
56-41-0008	7720894	010291281	10-68	1	305	20,660	3.68	761	28	16,750	3.67	615	2-71		28	680	.02	27	43
56-41-0012	7018345	1347940	8-67	2	305	18,815	3.44	647	16	16,305	3.30	538	11-71		40	761	.01	29	47
56-41-0025	6159425	1330612	8-64	5	305	20,136	3.61	726	80	14,962	3.58	536	11-71		37	709	.01	27	44
56-41-0025	6257492	1406271	11-64	5	305	17,894	3.84	688	58	15,318	3.57	547	3-72		44	702	.07	36	51
56-41-0025	6285793	1406271	2-65	5	305	18,514	3.76	696	79	14,888	3.58	533	10-71		44	831	.06	39	57
56-41-0025	7106003	1320310	7-68	2	305	18,650	3.76	701	62	15,955	3.77	601	11-71		40	847	-.03	26	47
56-41-0025	7626849	1427381	2-69	1	305	16,510	4.08	674	102	14,960	3.53	528	9-71		36	867	.09	45	64
56-41-0025	7626850	1427381	2-69	1	305	21,660	3.40	736	99	15,280	3.54	541	10-71		36	1,249	.03	49	78
56-41-0028	6289115	1406271	12-64	4	305	16,690	3.77	630	41	14,608	3.47	507	9-71		44	522	.07	33	46
56-41-0028	6482232	1406271	3-65	5	300	19,726	3.54	698	33	14,088	3.51	495	10-71		44	1,081	.03	44	69
56-41-0028	6802880	1406271	6-66	2	305	19,260	3.57	687	47	15,795	3.50	553	1-71		40	750	.04	33	50
56-41-0028	7509573	1447141	1-70	1	305	20,580	3.70	761	33	15,170	3.51	533	2-72		36	652	.07	34	48
56-41-0042	5480435	1113350	11-61	5	305	18,864	3.90	735	10	14,164	3.49	495	7-71		44	591	.06	30	43
56-41-0042	7365102	1493686	12-68	2	296	19,640	3.72	731	9	14,925	3.60	537	2-72		40	885	.05	39	59
56-43-0026	5653934	1386191	9-62	7	299	17,756	3.66	649	68	13,660	3.60	492	12-71		41	793	.06	37	54
56-43-0026	6174729	1271810	11-64	3	298	16,877	3.70	624	101	12,987	3.49	453	2-71		42	724	-.01	24	42
56-43-0026	6230423	1408654	1-65	5	300	19,446	3.82	743	96	13,970	3.71	518	11-71		37	845	.02	34	53
56-43-0026	6230427	1355784	12-64	4	301	18,337	3.54	649	131	14,030	3.69	518	12-71		43	987	-.08	24	50
56-43-0026	6230436	1406271	1-65	5	299	15,926	3.69	587	119	13,768	3.54	487	1-71		44	628	.05	30	44
56-43-0026	6400389	1271810	7-65	4	305	17,708	3.64	644	86	12,990	3.56	463	5-71		44	852	-.02	27	48
56-43-0026	6590421	1406271	7-66	3	300	17,333	3.84	666	107	13,017	3.52	458	3-71		42	851	.07	42	60
56-43-0026	6628493	1406271	10-66	3	296	15,707	3.88	610	51	13,260	3.55	471	6-71		42	639	.07	34	47
56-43-0026	6906120	1486805	9-67	2	305	20,315	4.04	821	132	14,020	3.88	544	12-71		30	880	.03	36	56
56-43-0026	7176982	1355784	10-68	2	305	18,735	3.89	729	129	14,620	3.90	570	1-72		40	904	-.05	25	48
56-43-0026	7297415	1493686	3-69	1	305	16,090	4.29	690	49	13,720	3.68	505	5-71		35	598	.08	34	46
56-46-0022	6285794	1406271	3-65	5	300	17,550	3.62	635	30	15,386	3.48	535	12-71		44	549	.05	31	45
56-46-0022	6585510	1406271	1-66	3	305	20,350	3.75	764	20	15,310	3.47	532	3-72		42	961	.07	45	66
56-46-0022	6677651	1406271	10-66	4	299	19,105	3.63	693	29	16,303	3.52	574	2-72		44	732	.04	33	49
56-46-0022	7257195	1406271	10-68	2	304	20,360	3.52	717	26	15,905	3.60	573	2-72		40	851	.02	34	54
57-02-0002	6642772	1460865	8-66	4	305	19,175	3.55	680	23	14,420	3.55	512	2-72		30	723	.00	26	43
57-04-0503	6543143	1261857	5-66	3	305	19,803	4.07	806	25	15,793	3.69	583	4-71		42	869	.12	49	67
57-04-0503	6602630	1261857	7-66	3	305	19,090	3.84	734	29	15,907	3.74	595	7-71		42	775	.07	39	55
57-04-0503	6620805	1261857	8-66	3	305	17,723	4.03	714	42	14,810	3.80	563	9-71		42	731	.09	40	55
57-04-0503	6694408	1261857	12-66	3	283	16,873	3.71	626	48	14,743	3.78	557	10-71		42	640	.05	31	45
57-04-0503	6852593	1261857	6-67	2	305	17,480	3.81	666	30	15,140	3.68	557	4-71		40	650	.07	34	48
57-04-0503	6852594	1261857	7-67	3	299	18,597	4.07	757	41	15,130	3.73	565	12-71		42	798	.11	45	61
57-04-0503	6852595	1261857	8-67	2	305	17,260	4.21	727	22	15,000	3.77	565	4-71		40	640	.11	40	52
57-04-0503	6935000	1261857	10-67	2	305	17,670	4.15	734	35	14,570	3.82	557	8-71		40	721	.10	41	55
57-04-0503	6935002	1261857	11-67	3	304	18,153	3.73	677	36	15,077	3.73	562	12-71		42	753	.06	36	52

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C D	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
57-04-0503	6955809	1261857	9-67	2	305	16,165	4.14	669	40	13,950	3.85	537	7-71		40	625	.09	36	$ 48
57-04-0503	7105007	1261857	6-68	2	305	17,030	3.54	603	39	14,860	3.73	555	12-71		40	630	.04	28	42
57-04-0503	7105008	1261857	6-68	2	299	16,150	4.10	662	43	14,615	3.76	550	11-71		40	563	.10	35	46
57-06-0011	6908105	1476576	6-66	3	303	18,560	3.34	619	35	12,830	3.67	471	7-71		32	852	-.05	23	45
57-06-0011	6908109	1261857	1-67	3	305	18,567	3.80	706	32	14,620	3.72	544	3-72		42	848	.07	41	59
57-06-0011	6908110	1261857	7-67	3	305	17,513	3.55	621	41	14,077	3.72	523	12-71		42	783	.04	34	52
57-06-0015	6960868	1239242	9-67	2	300	22,490	3.19	717	15	15,355	3.53	542	12-71		40	894	-.06	23	46
57-06-0015	6990392	1477381	1-68	2	305	18,605	3.56	662	30	15,155	3.44	521	12-71		39	676	.04	30	45
57-10-0015	6734174	1469898	11-66	3	301	20,836	3.49	727	34	16,600	3.40	564	1-72		37	892	-.03	28	50
57-12-0511	7466571	1427381	9-69	1	305	15,860	3.31	525	33	11,330	3.27	371	9-71		36	1,062	.03	44	69
57-16-0008	6305369	1222994	10-64	5	301	21,076	3.21	676	40	16,032	3.41	546	10-71		44	927	-.04	27	50
57-16-0008	6621194	1261857	9-66	4	300	22,383	3.36	751	36	16,258	3.36	547	10-71		44	1,162	.03	47	74
57-16-0008	6969180	1261857	10-67	2	295	20,825	3.52	732	26	16,360	3.28	537	12-71		40	878	.07	43	62
57-16-0008	6969181	1261857	10-67	3	302	23,257	3.48	809	27	17,733	3.30	586	12-71		42	1,065	.07	49	72
57-25-0014	6415174	1406271	10-65	4	305	19,555	2.72	532	52	16,025	3.01	482	8-71		44	818	-.04	24	44
57-25-0014	6750570	1440965	11-66	3	293	22,743	3.17	721	58	16,803	3.07	516	11-70		33	711	.04	31	47
57-25-0014	7383147	1427381	8-69	1	305	21,450	2.69	576	111	14,670	2.92	429	11-71		36	1,274	-.01	44	75
57-25-0014	7629413	1489981	12-69	1	305	22,130	3.23	715	100	15,210	2.95	449	1-72		35	717	.09	39	54
57-27-0001	6350663	1335978	6-65	3	305	20,503	3.35	686	41	13,340	3.64	486	1-71		33	844	-.04	24	45
57-35-0501	7747831	1387978	8-69	1	305	17,750	4.24	753	38	13,260	3.91	519	10-71		36	755	.03	32	49
57-41-0007	6958315	1473347	4-67	3	298	17,980	3.28	589	13	14,923	3.48	519	11-71		37	968	-.06	25	50
57-41-0011	6800236	1291498	5-66	4	294	19,650	3.54	695	26	14,168	3.60	510	10-71		44	807	-.03	25	45
57-41-0020	6521472	1303502	5-66	3	295	20,213	3.67	741	37	14,430	3.47	501	11-71		42	752	.03	32	49
57-41-0501	6284787	1446058	2-65	5	305	21,668	3.31	717	57	14,370	3.63	522	11-71		32	1,157	-.07	31	6[illegible]
57-43-0021	6388409	1377954	7-67	2	305	18,455	2.99	551	38	13,265	3.37	447	10-71		40	868	-.04	25	47
57-53-0508	6805387	1397209	5-67	3	297	18,586	3.57	663	18	14,730	3.33	490	7-71		42	738	.00	27	45
57-53-0508	6827333	1406271	11-66	4	298	20,370	3.23	658	29	15,913	3.63	578	10-71		44	931	-.04	28	51
57-53-0513	7100050	1406271	9-66	3	290	19,550	3.77	738	23	16,207	3.62	586	1-72		42	776	.06	37	54
57-53-0513	7177158	1493686	11-68	1	305	19,800	3.09	612	38	15,460	3.46	535	11-71		35	760	-.01	26	44
57-53-0520	6160030	1313339	2-64	4	305	21,873	3.67	802	11	15,745	3.60	567	2-72		35	1,024	.01	38	62
57-53-0525	7161464	1406271	11-66	3	305	19,703	3.80	748	9	16,203	3.68	596	2-72		42	794	.06	37	54
57-53-0535	6795812	1381027	8-66	4	305	24,080	3.57	860	11	17,503	3.82	669	12-71		44	781	-.01	26	45
57-55-0001	6758205	1308091	8-66	2	305	21,585	3.81	823	20	15,160	3.80	576	2-71		40	791	-.01	27	46
57-55-0001	7109634	1477381	3-68	2	302	17,705	3.81	674	27	13,690	3.73	510	10-71		39	719	.04	32	48
57-57-0018	6681489	1261857	10-66	3	303	16,883	4.19	708	34	15,287	3.49	534	1-71		42	565	.14	42	52
57-59-0001	6218376	1179372	9-64	3	305	18,937	3.82	724	91	15,327	3.57	547	12-71		42	622	.05	30	43
57-59-0001	6235142	1244009	6-64	5	302	18,084	3.64	659	92	15,186	3.61	548	8-71		44	775	-.03	24	43
57-59-0001	6235153	1258673	8-64	4	305	20,495	3.88	796	76	14,968	3.55	531	1-71		44	536	.18	46	54
57-59-0014	7079398	1406271	10-66	4	281	17,923	3.87	694	56	14,940	3.50	523	1-72		44	737	.08	39	54
57-59-0019	6724570	1261857	11-66	3	305	17,100	3.46	591	29	14,260	3.25	463	8-71		42	716	.07	36	51
57-59-0019	6751285	1261857	10-66	3	305	18,550	3.48	645	10	15,500	3.26	506	2-71		42	755	.07	38	54
57-59-0022	6762242	1306247	1-67	2	305	19,085	3.09	590	28	15,025	3.22	484	10-71		40	829	-.05	23	44
57-59-0030	5572841	1162188	4-60	5	302	20,568	3.17	653	52	14,570	3.51	511	9-71		44	1,018	-.09	23	5[illegible]
57-59-0030	6657480	1308101	12-66	1	305	17,500	3.19	559	34	14,670	3.38	496	5-71		36	828	-.05	23	44
57-59-0032	7424193	1493686	7-69	1	305	17,390	4.01	698	34	15,100	3.40	514	11-71		35	603	.08	34	46
57-64-0005	6417444	1368793	9-65	3	305	19,216	3.31	636	12	13,836	3.53	489	1-72		37	924	-.04	27	50
57-71-0003	6962685	1282936	10-67	3	300	21,180	3.42	724	26	14,410	3.61	520	1-72		42	957	-.03	30	54
57-73-0022	7402049	1381027	6-69	1	305	24,960	3.10	775	8	11,420	3.56	406	11-71		36	908	-.04	27	5[illegible]
57-74-0501	6653727	1445899	8-66	3	305	21,723	3.13	680	35	16,057	3.43	550	3-71		33	1,037	-.07	26	53
57-83-0504	6576391	010229512	11-63	2	299	21,125	3.54	748	39	16,485	3.52	580	1-72		40	587	.07	31	43
57-83-0504	7633025	1406271	9-68	1	297	18,270	4.07	744	57	14,670	3.64	534	7-71		36	679	.08	36	50
57-88-0034	6367995	1282704	8-65	4	303	18,915	3.73	706	12	13,035	3.69	481	10-71		43	831	-.03	25	46
57-88-0034	7276632	1493686	1-69	1	305	17,920	3.44	616	6	11,970	3.53	422	4-71		35	855	.02	34	54
58-05-0004	5617189	1192713	9-61	4	305	18,135	3.35	608	259	12,738	3.49	445	9-71		44	859	-.03	27	43
58-05-0004	5870283	1271075	8-63	3	297	16,293	3.48	567	288	12,680	3.44	436	8-71		42	805	.00	29	43
58-05-0004	5938253	1271075	11-63	3	305	18,020	3.39	611	261	12,927	3.48	450	6-71		42	980	-.02	32	56
58-05-0004	6064465	1271075	3-64	3	303	15,787	3.43	541	221	12,397	3.44	426	11-71		42	776	-.01	27	46
58-05-0004	6975599	1413165	12-67	2	295	20,575	3.28	674	323	13,640	3.46	472	2-71		40	1,028	-.11	2[illegible]	48
58-05-0026	7739361	1447141	11-69	1	305	18,860	3.50	661	33	14,570	3.32	484	3-72		35	564	.06	30	42
58-08-0041	6794365	1406271	1-67	3	298	21,130	2.82	595	9	15,723	3.33	524	12-71		42	1,008	-.06	27	53
58-09-0003	6118418	1406271	4-64	4	305	15,078	3.92	591	42	12,805	3.59	460	11-71		44	623	.07	33	46
58-09-0022	5451986	1354731	10-61	7	300	20,359	3.25	661	168	15,453	3.36	519	10-71		37	979	-.07	24	49
58-09-0022	5689535	1354731	10-62	7	302	20,761	3.36	697	177	15,179	3.39	514	11-71		37	1,074	-.06	29	56
58-09-0022	5689537	1354731	11-62	7	295	20,234	3.25	657	155	15,710	3.37	529	1-72		37	927	-.07	22	46
58-09-0022	5834909	1354731	1-63	7	303	21,614	3.24	701	150	16,134	3.37	543	12-71		37	1,073	-.08	26	54
58-09-0022	6656689	1239242	10-66	3	305	20,550	3.40	698	211	15,810	3.33	527	8-71		42	716	-.01	25	42
58-09-0022	6809971	1436894	11-64	3	305	19,896	3.66	728	172	15,993	3.33	532	11-70		32	682	.04	31	46
58-09-0022	6809972	1436894	11-64	4	305	21,447	3.00	643	206	16,035	3.21	514	12-71		33	936	-.07	23	47
61-02-0032	6907468	1464838	10-67	2	305	24,840	3.38	840	17	18,140	3.61	654	1-71		30	813	-.02	26	46
61-02-0032	7170463	1509821	7-68	2	241	24,510	3.27	801	21	17,490	3.72	650	1-72	8	29	1,064	-.07	28	55
61-02-0032	7327705	1498162	2-69	2	239	22,100	3.36	743	10	16,745	3.57	598	3-71	8	30	850	-.03	26	47
61-02-0032	7424978	1509821	10-69	1	305	23,190	3.68	853	22	16,860	3.87	653	11-71		23	787	.00	28	47
61-02-0033	6382988	1218293	10-64	5	302	19,880	3.37	669	39	14,094	3.60	508	9-71		44	619	-.06	21	42
61-03-0001	6337455	1308101	7-65	5	304	19,108	3.37	643	9	15,378	3.45	530	4-72		44	1,032	-.04	31	57
61-03-0001	6650674	1308101	6-66	2	305	18,390	3.53	650	8	14,860	3.56	529	6-71		40	941	-.03	30	53
61-03-0001	6650675	1308101	6-66	2	305	20,385	3.64	741	8	15,635	3.52	550	6-71		40	1,073	-.01	37	63
61-03-0001	6650676	1308101	8-66	3	305	20,206	3.29	665	9	15,703	3.37	529	2-71		42	1,091	-.04	33	60
61-03-0001	6734107	1308101	10-66	4	303	19,120	3.36	643	9	16,055	3.36	539	3-72		44	944	-.03	29	52
61-03-0001	6734108	1308101	11-66	3	305	17,920	3.60	645	8	15,420	3.48	537	6-71		42	858	-.01	30	51
61-03-0001	6740988	1308101	9-66	4	300	18,620	3.34	622	9	16,242	3.35	544	3-72		44	862	-.03	26	47
61-03-0001	6795376	1308101	2-67	3	305	17,820	3.58	638	10	15,476	3.47	537	1-72		42	840	-.01	29	49
61-03-0001	6795377	1308101	4-67	3	295	17,006	3.52	599	8	15,190	3.50	532	11-71		42	776	-.02	25	44
61-03-0001	6870535	1308101	7-67	2	305	22,205	3.68	817	5	15,655	3.56	557	11-71		40	1,256	-.01	44	74
61-03-0001	6870536	1308101	7-67	3	298	17,300	3.55	614	11	15,800	3.48	550	1-72		42	747	-.01	25	43
61-03-0001	6883799	1308101	8-67	3	305	18,740	3.45	646	8	16,096	3.42	551	4-72		42	882	-.02	28	5[illegible]

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C O	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
61-03-0001	6883800	1308101	10-67	3	298	18,940	3.62	686	10	16,160	3.42	553	3-72		42	898	.00	33	$ 54
61-06-0025	5981899	1308101	1-64	5	304	19,408	3.39	658	14	13,958	3.54	494	7-71		44	1,236	-.05	37	68
61-06-0025	6946948	1308101	9-67	3	303	20,070	3.58	718	30	15,046	3.73	561	2-72		42	1,144	-.04	35	63
61-06-0025	6946949	1308101	10-67	3	305	16,693	4.25	710	23	15,010	3.74	562	3-72		42	759	.04	34	51
61-06-0025	6946950	1308101	10-67	3	305	17,146	3.76	645	28	15,056	3.71	559	12-71		42	806	-.01	27	47
61-06-0025	7014093	1308101	1-68	2	305	16,955	4.36	740	27	14,585	3.68	536	1-72		40	821	.06	38	56
61-06-0025	7298120	1308101	1-69	1	305	18,360	3.72	683	23	13,880	3.80	528	5-71		36	945	-.03	30	53
61-06-0025	7478409	1308101	10-69	1	305	18,320	3.62	664	25	15,020	3.63	545	3-72		36	865	-.02	28	49
61-06-0037	6867144	1308101	8-67	2	305	17,100	3.46	592	10	14,905	3.51	523	12-70		40	806	-.03	24	44
61-06-0037	6867145	1308101	8-67	2	300	20,370	3.24	659	14	16,405	3.51	575	5-71		40	1,001	-.07	26	52
61-07-0009	6143344	1308101	10-64	5	286	17,364	3.71	645	10	14,232	3.56	506	7-71		44	940	.00	34	56
61-07-0009	6244834	1308101	10-64	4	305	18,595	3.73	694	11	14,360	3.48	500	8-71		44	1,068	.01	40	65
61-07-0009	6411353	1308101	10-65	4	305	17,702	3.11	550	11	14,415	3.54	511	7-71		44	951	-.09	21	46
61-08-0010	6399760	1406271	11-65	4	304	22,385	3.98	890	15	16,723	3.65	611	2-72		44	1,090	.09	53	76
61-08-0010	6718090	1413798	1-67	3	305	20,550	3.59	738	23	16,030	3.62	581	8-71		33	722	-.01	24	42
61-08-0050	7021514	1418927	12-67	2	212	19,905	3.58	713	13	14,365	3.59	516	4-72		40	694	.01	26	42
61-08-0050	7471487	1427381	9-69	1	305	18,000	4.78	860	38	14,200	3.73	530	12-71		36	1,049	.13	58	79
61-08-0050	7496520	1315578	3-67	3	305	16,963	3.91	664	48	13,780	3.66	505	11-71		42	515	.12	36	45
61-09-0016	7550783	1450228	2-70	1	305	21,980	3.53	775	16	17,280	3.54	611	3-72		35	961	-.03	30	54
61-09-0034	6804799	1308101	10-66	3	305	17,430	3.44	599	11	14,663	3.47	509	12-70		42	880	-.03	27	49
61-09-0034	6804800	1308101	12-66	4	305	17,182	3.47	596	12	14,930	3.50	523	1-72		44	830	-.03	25	46
61-09-0034	6840799	1308101	9-66	3	303	18,200	3.35	610	13	14,973	3.46	518	7-71		42	936	-.04	27	51
61-09-0034	7317303	1392858	11-68	2	305	20,050	3.42	685	9	15,135	3.56	539	4-72		40	697	.01	26	42
61-09-0034	7570633	1308101	8-69	1	305	18,570	3.53	656	18	14,450	3.65	527	12-71		36	922	-.03	29	52
61-10-0002	5599049	1364400	3-62	7	303	22,370	3.51	786	14	16,417	3.45	566	9-71		35	977	-.01	34	57
61-10-0002	6526086	1308101	12-65	3	305	19,420	3.50	679	16	17,053	3.34	569	11-70	H	42	861	-.01	30	51
61-10-0002	6667276	1308101	9-66	4	279	22,685	3.34	758	8	18,300	3.52	644	2-72	B	44	1,135	-.06	32	61
61-10-0002	6667277	1308101	10-66	3	305	21,516	3.38	728	14	17,333	3.44	597	11-71		42	1,073	-.04	33	[illegible]
61-10-0002	6667278	1308101	10-66	3	299	24,303	3.48	845	12	17,276	3.46	597	10-71		42	1,400	-.03	46	8[illegible]
61-10-0002	7405270	1308101	7-69	1	305	20,110	3.42	688	17	17,420	3.44	599	9-71		36	838	-.03	26	47
61-10-0002	7405273	1308101	10-69	1	305	21,580	3.16	683	14	18,570	3.62	673	11-71		36	870	-.07	21	44
61-10-0043	7538495	1308101	10-69	1	294	19,140	3.34	640	11	14,750	3.42	504	1-72		35	944	-.03	29	52
61-11-0003	7239420	1308101	9-68	2	298	16,505	3.61	596	22	12,605	3.63	457	10-71		40	956	-.02	31	54
61-12-0006	5675832	1368793	9-62	5	302	20,120	3.29	661	20	14,618	3.69	540	2-71		39	1,222	-.07	26	52
61-12-0006	6774682	1452015	1-67	3	305	20,306	3.83	777	23	14,720	3.70	544	2-72		32	774	.03	33	51
61-12-0006	6922789	1368793	10-67	2	305	18,690	3.97	742	20	15,370	3.70	569	3-71		34	642	.04	29	42
61-12-0007	6533758	1368793	3-66	4	297	19,335	3.04	588	35	13,722	3.66	502	3-72		38	993	-.10	20	46
61-13-0001	7208647	1308101	7-68	1	305	15,900	3.42	543	27	12,390	3.36	416	10-70		36	861	-.02	28	49
61-14-0015	6703228	1404272	12-66	3	305	21,563	3.08	665	39	13,083	3.43	449	8-71		32	1,299	-.09	33	[illegible]
61-14-0015	6888288	1404272	10-67	2	305	20,565	3.14	645	25	12,485	3.44	430	3-72		29	1,121	-.07	29	58
61-14-0015	7024838	1404272	11-67	2	305	17,740	3.42	607	45	12,260	3.46	424	10-71		29	808	-.03	25	45
61-14-0015	7024843	1404272	11-67	1	305	18,840	3.76	708	57	12,090	3.54	428	10-70		24	778	.01	29	47
61-14-0015	7425627	1404272	8-69	1	305	20,480	3.05	624	12	12,480	3.63	453	4-72		24	894	-.08	20	43
61-14-0027	5449372	1215958	10-61	5	305	22,470	3.48	781	8	15,014	3.44	516	4-71		43	1,225	-.01	43	72
61-14-0027	7217575	1427381	10-68	2	305	16,400	3.71	609	13	14,410	3.45	497	2-72		40	923	.06	43	63
61-14-0027	7329137	1406271	4-69	1	305	19,860	3.41	678	14	13,620	3.58	487	2-72		36	867	.02	34	54
61-14-0410	7603772	1491980	8-68	1	305	20,440	4.18	855	12	15,480	3.55	549	1-71		30	691	.12	43	56
61-15-0038	6393450	1329588	2-64	4	305	19,270	3.46	666	7	14,248	3.50	499	3-71		44	814	-.02	26	4[illegible]
61-15-0042	6572241	1308101	9-64	2	287	19,440	3.34	649	13	14,275	3.52	502	11-70		40	1,101	-.05	32	6[illegible]
61-15-0042	7034127	1308101	8-66	2	305	20,275	3.40	690	24	14,225	3.50	498	10-70		40	1,191	-.04	37	[illegible]
61-18-0029	6283355	1308101	1-65	4	305	16,400	3.54	580	23	13,725	3.67	504	8-70		44	867	-.03	26	[illegible]
61-18-0039	6422779	1308101	10-65	4	305	16,645	3.22	536	42	13,635	3.49	476	2-72		44	908	-.06	23	[illegible]
61-18-0039	6511181	1308101	11-65	4	299	17,475	3.37	589	36	14,157	3.47	491	2-72		44	952	-.04	28	[illegible]
61-18-0039	6511182	1308101	12-65	4	305	19,495	3.19	622	32	14,317	3.47	497	4-72		44	1,184	-.07	32	[illegible]
61-19-0001	6654737	1308101	9-66	3	305	17,223	3.53	608	20	14,920	3.63	542	7-71		42	829	-.03	25	[illegible]
61-19-0001	7262608	1308101	11-68	1	117	19,100	4.35	831	25	15,030	3.85	579	11-70	B	36	923	.03	38	59
61-19-0001	7346311	1308101	3-69	2	305	18,640	3.39	631	13	15,680	3.58	561	4-72		40	992	-.05	25	4[illegible]
61-19-0015	6363162	1308101	11-64	5	305	15,348	3.75	576	16	12,730	3.47	442	9-71		44	855	.01	33	53
61-19-0015	6578391	1308101	9-65	4	292	15,570	3.75	584	17	12,457	3.48	434	9-71		44	906	.01	34	55
61-19-0015	6578392	1308101	9-65	4	302	15,445	3.41	526	13	13,512	3.41	461	4-72		44	773	-.03	24	43
61-19-0015	6578393	1308101	10-65	3	305	16,733	3.37	564	15	13,253	3.52	467	8-71		42	945	-.05	27	51
61-19-0015	6578394	1308101	10-65	4	304	15,245	3.72	567	18	12,620	3.45	436	9-71		44	848	.01	32	52
61-19-0015	7054114	1308101	10-66	2	284	15,650	3.53	553	24	12,680	3.39	430	9-71		40	862	-.01	29	5[illegible]
61-19-0060	6250395	1308101	9-64	1	264	17,840	3.43	612	15	15,630	3.60	563	1-72		36	789	-.04	23	43
61-19-0060	6250397	1308101	9-64	1	305	19,230	3.53	678	19	14,540	3.60	523	7-71		36	965	-.03	30	54
61-19-0060	7545327	1315578	11-68	1	305	19,140	3.67	703	36	14,450	3.56	515	9-71		36	521	.10	33	43
61-20-0002	6290767	1182696	10-64	5	305	20,176	3.45	697	12	15,324	3.35	513	4-71		44	884	.02	35	55
61-20-0018	6191639	1308101	9-64	4	302	17,342	3.36	583	6	13,800	3.48	480	11-70		44	975	-.04	29	53
61-20-0023	7012047	1308101	7-67	2	305	19,185	3.34	641	5	16,370	3.34	546	4-71		40	864	-.03	27	49
61-21-0024	7523553	1261857	8-69	1	294	18,060	3.86	697	19	14,880	3.58	533	10-71		36	571	.08	37	51
61-23-0027	6855467	1308101	9-65	1	305	29,790	3.19	951	14	15,210	3.24	493	9-71		36	1,707	-.05	53	95
61-23-0027	7153561	1392858	10-68	1	305	21,400	3.96	847	9	16,720	3.10	518	6-71		35	569	.10	36	47
61-23-0027	7203999	1485285	10-67	3	305	24,903	3.06	763	9	18,310	3.31	606	4-72		33	[illegible]	-.1[illegible]	23	5[illegible]
61-23-0030	7055890	1308101	12-67	1	305	17,680	3.52	623	29	12,110	3.60	436	9-71		36	1,[illegible]13	-.03	32	57
61-23-0030	7835884	1530738	11-69	1	305	21,200	3.53	749	10	13,180	3.67	484	12-71		19	751	-.01	25	43
61-24-0020	6321475	1182696	3-65	4	305	18,178	4.11	748	13	14,820	3.64	540	6-71		44	569	.09	38	51
61-24-0067	6879704	1476784	4-67	2	305	22,590	3.73	843	39	18,325	3.57	654	5-71		29	601	.06	31	44
61-24-0067	6919664	1440965	7-67	3	304	23,316	3.83	894	42	18,786	3.48	654	2-72		33	550	.11	37	47
61-24-0067	6972617	1383004	5-67	3	297	23,096	3.49	807	39	17,646	3.64	642	5-71		42	525	.07	33	40
61-24-0067	7017882	1357743	9-67	3	302	24,503	3.47	850	44	18,537	3.52	652	2-72		42	838	-.03	25	45
61-24-0067	7189853	1427381	7-68	2	305	25,310	3.48	881	50	17,355	3.60	624	11-71		40	1,559	.02	59	96
61-24-0067	7189854	1427381	9-68	2	305	23,700	3.49	829	58	16,980	3.66	622	8-71		40	1,436	.01	54	85
61-24-0067	7189855	1427381	9-68	2	305	28,940	3.45	999	43	17,900	3.60	644	9-71		40	1,877	.01	69	113
61-24-0067	7277834	1427381	11-68	2	305	24,710	3.48	860	54	17,095	3.07	627	9-71		40	1,522	.01	57	93
61-24-0067	7277835	1427381	12-68	2	305	23,280	3.07	714	36	19,875	3.44	683	1-72		40	1,122	-.02	37	54

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C O	REPT (%)	.......C O W MILK (LB)	I N D E X....... FAT (%)	FAT (LB)	DOL-LARS
61-24-0067	7277835	1427381	12-68	2	305	23,535	3.55	836	38	19,735	3.46	682	2-72		40	1,161	.05	49	$ 75
61-24-0067	7277837	1427381	1-69	1	305	24,550	2.99	733	38	20,140	3.36	676	1-72		36	1,139	-.01	39	66
61-24-0067	7277840	1427381	1-69	1	305	21,630	3.89	842	37	19,050	3.52	670	3-71		36	994	.08	48	69
61-24-0067	7363851	1427381	2-69	1	305	19,880	3.90	776	50	17,980	3.58	644	7-71		36	936	.07	45	65
61-24-0067	7363853	1427381	3-69	1	305	24,310	3.67	893	37	19,050	3.52	670	3-71		36	1,194	.06	52	79
61-24-0067	7363855	1427381	3-69	2	305	26,590	3.43	912	32	19,565	3.43	672	3-72		40	1,487	.03	58	93
61-24-0067	7398021	1427381	7-69	1	305	20,640	3.73	769	53	17,260	3.59	620	8-71		36	1,040	.06	46	69
61-24-0067	7402935	1427381	9-69	1	305	22,850	3.50	799	49	17,840	3.59	640	9-71		36	1,166	.03	47	74
61-24-0067	7459944	1427381	8-69	1	305	21,590	3.42	739	50	17,980	3.58	644	7-71		36	1,063	.02	42	67
61-24-0067	7459945	1427381	8-69	1	305	21,240	3.48	740	53	17,260	3.59	620	8-71		36	1,085	.03	44	69
61-24-0067	7459946	1427381	9-69	1	305	20,540	3.71	763	48	18,280	3.53	646	10-71		36	965	.06	44	65
61-24-0067	7459949	1427381	11-69	1	305	20,980	3.36	705	48	18,280	3.53	646	10-71		36	997	.02	39	62
61-24-0067	7473077	1427381	8-69	1	305	27,660	3.36	928	49	17,840	3.59	640	9-71		36	1,525	.01	56	92
61-24-0067	7521464	1427381	1-70	1	305	28,600	3.45	987	36	20,040	3.34	670	2-72		36	1,447	.04	59	92
61-24-0067	7563078	1427381	1-70	1	305	21,890	3.24	710	36	20,040	3.34	670	2-72		36	947	.03	38	60
61-24-0074	6630740	1315578	9-66	4	305	20,800	3.47	722	17	17,355	3.58	622	12-71		44	614	.06	31	44
61-24-0074	6917062	1315578	9-67	3	303	18,983	3.78	717	16	15,953	3.60	575	7-71		42	522	.11	35	45
61-24-0078	6389373	1441939	9-65	4	302	21,635	3.67	794	18	14,718	3.79	558	8-71		30	1,057	-.01	37	62
61-24-0078	6788327	1237057	12-66	3	305	21,013	3.46	726	20	14,953	3.79	566	12-71		42	973	-.08	23	48
61-24-0078	7387761	1427381	7-69	1	305	18,160	4.09	742	18	15,360	3.83	588	1-72		36	983	.07	46	68
61-24-0129	6417455	1368793	10-65	3	289	19,270	3.64	702	7	14,300	3.78	541	2-72		37	878	-.02	29	50
61-24-0130	7513565	1308101	9-69	1	305	18,360	3.14	577	14	15,170	3.78	573	10-71		36	858	-.08	19	42
61-24-0138	7299263	1427381	10-68	1	305	20,240	3.78	766	13	12,850	3.67	471	9-71		36	1,306	.05	55	85
61-24-0145	5456656	1287534	9-61	2	285	23,980	3.47	831	9	15,890	3.55	564	3-71	B	34	844	.01	32	52
61-24-0149	6878240	1308101	9-67	2	289	20,185	3.07	619	9	15,465	3.30	511	11-71		40	1,068	-.07	28	55
61-25-0010	7457193	1427381	9-69	1	292	17,560	3.33	584	7	14,020	3.32	466	8-71		36	1,028	.03	42	66
61-25-0011	6417459	1368793	7-65	2	305	21,370	4.06	867	28	17,345	3.52	611	12-71		34	743	.07	38	54
61-25-0011	6905737	1399824	10-67	2	305	20,915	3.88	812	30	16,935	3.42	579	5-71		40	755	.08	39	55
61-25-0011	7162085	1399824	8-68	2	305	21,320	3.57	761	34	16,460	3.54	582	10-71		40	839	.02	34	53
61-25-0011	7381959	010275932	7-69	1	305	28,480	3.20	910	26	17,200	3.52	606	2-72		36	992	-.03	31	55
61-25-0042	6558883	1199324	8-64	2	305	17,555	3.62	635	20	14,925	3.65	545	11-71		40	735	-.01	25	43
61-25-0042	6873999	1308101	6-66	2	278	17,960	3.35	601	14	14,185	3.61	512	8-71		40	959	-.06	26	50
61-25-0042	7082781	1320310	5-67	2	286	20,080	3.45	692	9	16,005	3.55	568	3-71		40	988	-.05	28	53
61-25-0042	7175609	1427381	10-68	1	305	17,420	3.87	675	23	13,290	3.64	484	9-71		36	1,067	.06	48	72
61-26-0022	6355294	1308101	10-64	5	305	18,498	3.71	687	30	15,374	3.53	542	3-72		44	954	.00	35	58
61-26-0022	6434768	1308101	12-64	5	301	18,500	3.50	647	28	15,468	3.53	546	1-72		44	943	-.05	30	53
61-26-0022	6523002	1276344	11-65	4	304	22,225	3.19	709	24	15,813	3.55	561	4-72		43	986	-.04	29	54
61-26-0022	6722167	1315578	12-56	3	305	19,560	3.61	706	20	16,283	3.63	591	12-71		42	554	.08	32	43
61-26-0022	6722170	1276344	9-66	3	305	19,540	3.69	721	27	15,520	3.69	572	1-72		42	556	.03	28	43
61-27-0021	7002731	1237277	1-68	2	305	25,425	3.73	949	11	15,975	3.58	572	6-71		40	941	.01	36	58
61-27-0021	7102623	1490811	10-67	3	285	20,133	3.99	803	17	16,237	3.63	589	9-71		29	582	.07	32	44
61-27-0021	7153129	1308101	3-68	2	288	20,195	3.67	742	16	16,030	3.70	593	8-71		40	1,018	-.02	33	58
61-27-0027	7554069	1450692	1-70	1	301	20,840	3.11	649	9	14,800	3.25	481	1-72		34	781	-.03	24	43
61-27-0041	6158721	1308101	9-64	2	305	18,980	3.49	663	8	13,445	3.48	468	11-70		40	1,130	-.02	37	65
61-28-0003	6218123	1182696	12-64	6	304	19,022	3.27	622	32	14,932	3.47	518	3-72		44	780	-.02	25	44
61-28-0003	6218128	1308101	10-64	5	305	17,974	3.40	612	35	14,744	3.50	516	5-71		44	959	-.04	29	53
61-28-0003	6921959	1368793	9-67	2	305	21,335	3.33	710	29	16,210	3.45	560	7-71		34	853	-.03	26	47
61-28-0041	5373219	1305495	4-61	7	293	16,110	3.66	590	16	12,520	3.51	439	1-71		36	539	.03	27	42
61-28-0041	5499887	1207747	5-60	9	305	18,624	3.23	602	17	12,274	3.54	434	7-71		39	781	-.03	23	43
61-28-0046	5891694	1352979	7-63	7	302	17,551	3.31	581	10	12,324	3.58	441	9-71		44	921	-.09	19	43
61-28-0051	6641315	1308101	11-66	2	285	18,260	3.48	636	7	13,900	3.69	513	2-71		40	1,016	-.04	30	55
61-28-0051	6957018	1493686	11-67	1	295	17,500	3.89	680	18	14,950	3.53	527	8-71		35	621	.06	32	45
61-28-0051	7422812	1392858	12-68	1	305	23,470	3.85	904	13	14,260	3.39	483	11-71		36	888	.07	43	62
61-29-0039	6290078	1308101	12-64	5	297	16,370	3.45	565	8	13,036	3.51	457	6-71		44	951	-.03	30	53
61-29-0040	6951239	1308101	10-67	3	300	16,613	3.88	644	12	14,756	3.70	546	10-71		42	776	.00	28	45
61-29-0040	7453998	1308101	8-69	1	305	17,690	3.38	598	16	14,610	3.59	524	10-71		36	846	-.04	24	45
61-29-0040	7562780	1308101	11-69	1	300	19,840	3.44	682	5	15,730	3.36	529	1-72		36	931	-.02	30	53
61-30-0003	6293491	1308101	10-64	4	299	15,645	3.73	584	68	13,447	3.58	481	11-70		44	805	.00	29	48
61-30-0004	5415290	1218293	7-61	6	301	21,195	3.42	724	17	15,872	3.40	539	3-71		44	783	-.02	25	44
61-30-0005	6966264	1308101	1-67	3	303	17,116	3.24	555	33	12,446	3.48	433	9-71		42	1,073	-.06	30	57
61-30-0005	7326375	1518468	10-68	2	305	18,335	3.67	672	21	12,775	3.44	439	3-72		29	743	.02	30	47
61-30-0006	6792192	1315578	11-66	3	305	17,940	3.80	682	26	14,623	3.64	533	10-71		42	540	.10	35	45
61-30-0006	7114751	1315578	12-67	2	299	18,150	3.96	718	31	14,855	3.60	535	8-71		40	500	.13	37	45
61-30-0006	7266731	1308101	12-68	1	305	20,180	3.36	679	31	15,880	3.40	540	7-71		36	946	-.03	29	52
61-30-0006	7457934	1308101	9-69	1	305	22,140	3.01	667	21	19,020	3.29	625	1-72		36	882	-.06	23	46
61-30-0006	7497530	1427381	9-69	1	265	20,760	3.11	646	22	19,140	3.27	625	2-72		36	923	.02	36	57
61-30-0006	7569205	1450228	3-69	1	305	21,090	3.33	702	33	16,120	3.47	560	9-71		35	973	-.05	28	52
61-30-0008	6693131	1308101	8-66	4	305	18,772	3.53	662	33	16,220	3.50	567	3-72		44	883	-.02	29	51
61-30-0008	6964503	1308101	9-66	3	301	17,983	3.36	604	34	15,726	3.55	559	12-70		42	833	-.05	23	44
61-30-0008	7053902	1308101	7-67	3	292	18,613	3.34	621	40	15,260	3.47	529	8-71		42	954	-.04	28	52
61-30-0008	7231507	1308101	11-68	1	305	18,810	3.63	683	57	15,920	3.51	558	10-70		36	841	-.02	28	48
61-30-0008	7444521	1308101	7-69	1	301	17,010	3.54	603	41	14,920	3.50	522	9-71		36	774	-.02	25	44
61-30-0008	7444522	1308101	10-69	1	305	22,490	3.24	729	35	16,410	3.46	568	2-72		36	1,083	-.05	31	58
61-30-0008	7571783	1450692	11-69	1	305	24,240	3.35	813	28	16,300	3.44	560	3-72		34	939	-.02	31	54
61-30-0014	7330642	1392858	8-68	2	293	23,590	3.11	733	33	15,345	3.45	529	9-71		40	1,037	-.03	32	58
61-30-0026	6198688	1308101	7-64	6	304	20,951	3.15	660	10	16,310	3.34	545	3-72		44	1,162	-.07	31	61
61-30-0026	7123665	1308101	7-68	1	305	21,060	3.42	721	13	15,990	3.28	524	4-71		36	1,004	-.01	34	58
61-30-0030	7371503	1509334	1-69	1	305	26,990	2.71	732	12	16,240	3.35	544	1-71		25	973	-.10	19	45
61-33-0012	6414869	1308101	5-65	5	281	17,130	3.49	597	7	14,254	3.55	506	12-71		44	907	-.03	28	50
61-34-0002	6462885	1456385	8-65	4	286	19,403	3.06	593	32	14,805	3.40	504	1-71		35	878	-.08	20	43
61-34-0002	6661495	1456385	8-66	3	305	20,217	3.07	620	28	14,480	3.47	502	3-71		33	985	-.08	23	49
61-34-0002	6661502	1456385	11-66	3	302	19,893	2.97	590	35	14,657	3.45	505	2-71		33	920	-.09	19	43
61-34-0002	6820400	1315578	7-66	2	303	16,870	3.15	531	67	12,450	3.26	406	5-71		40	590	.06	30	42
61-34-0002	7259376	1308101	2-69	1	305	16,410	3.28	538	89	11,120	3.36	374	10-71		36	984	-.04	30	54
61-34-0013	6642086	1315578	8-66	4	288	19,007	3.80	723	26	16,362	3.47	568	7-71		44	503	.13	37	46

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C D	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
61-34-0013	6653789	1182696	8-66	3	276	18,917	4.20	794	17	15,787	3.45	545	5-71		42	631	.12	41	$ 53
61-34-0013	6915002	1315578	11-67	2	305	20,155	3.98	802	27	16,135	3.50	564	9-71		40	587	.15	43	53
61-34-0027	6530731	1308101	3-66	3	214	18,816	3.24	610	17	14,720	3.59	529	2-71		42	1,033	-.07	26	53
61-34-0044	6726014	1308101	9-66	3	302	16,370	3.51	574	17	14,563	3.56	519	10-71		42	768	-.03	23	42
61-34-0044	6765392	1315578	10-66	3	298	18,286	3.34	610	15	13,890	3.59	499	12-71		42	656	.04	30	44
61-34-0044	7508179	1308101	9-69	1	305	19,600	4.11	805	19	13,730	3.79	521	12-71		36	1,047	.01	40	65
61-38-0001	6947596	1308101	4-67	2	297	17,625	3.48	614	26	13,910	3.71	516	9-70		40	950	-.05	27	51
61-40-0017	7349103	1427381	12-68	1	305	19,980	3.58	716	14	15,590	3.53	550	6-71		36	1,103	.04	46	71
61-40-0017	7349104	1427381	1-69	1	280	22,300	3.52	786	12	16,970	3.58	607	12-71		36	1,184	.03	48	75
61-40-0017	7446477	1427381	7-69	1	274	20,900	3.58	748	12	16,970	3.58	607	12-71		36	1,079	.04	45	70
61-40-0017	7446478	1427381	8-69	1	305	28,470	3.41	970	12	16,970	3.58	607	12-71		36	1,643	.02	62	101
61-40-0017	7446479	1427381	8-69	1	305	23,210	3.29	764	9	17,660	3.57	631	1-72		36	1,205	.01	45	73
61-40-0017	7446480	1427381	10-69	1	271	22,070	3.47	766	12	16,970	3.58	607	12-71		36	1,166	.03	46	73
61-41-0039	6795489	1417208	2-67	2	305	16,720	3.51	587	11	13,295	3.45	459	1-71		40	723	.01	28	45
61-48-0002	6856610	1315578	9-66	3	305	16,946	3.80	644	25	14,373	3.40	489	9-70		42	451	.13	35	42
61-48-0002	7264814	1308101	3-68	2	305	17,355	3.40	590	29	15,185	3.59	545	6-71		40	807	-.05	22	42
61-52-0505	6459765	1308101	10-65	3	292	15,293	3.84	587	16	13,256	3.49	463	9-71		42	780	.01	30	48
61-54-0008	5461766	1136723	11-61	4	305	17,948	3.60	647	6	12,568	3.43	431	5-71		43	662	.04	30	45
61-54-0008	6311849	1308101	2-65	4	305	17,017	3.09	525	7	13,932	3.39	472	5-71		44	921	-.07	22	46
61-55-0009	7170462	1509821	7-68	2	305	17,530	4.50	788	14	15,250	3.38	516	2-72		29	464	.16	41	48
61-55-0025	6828542	1464266	3-67	2	305	24,750	4.37	1081	7	16,850	3.55	599	4-71		30	1,087	.13	60	82
61-59-0001	6872916	1308101	8-67	3	298	16,650	3.57	594	11	14,353	3.57	512	11-71		42	822	-.02	26	46
61-59-0001	6872917	1308101	8-67	2	305	20,240	3.00	607	8	15,485	3.44	532	4-71		40	1,072	-.09	25	53
61-60-0046	6259454	1308101	9-64	5	302	21,538	3.38	729	19	15,976	3.64	582	7-71		44	1,276	-.06	36	68
61-60-0046	6727119	1308101	9-66	4	301	19,322	3.41	658	34	15,447	3.72	574	2-72		44	1,037	-.07	27	54
61-60-0046	6922556	1308101	8-67	3	240	19,446	3.45	670	34	15,046	3.70	557	12-71	8	42	1,072	-.06	30	57
61-60-0046	6922564	1308101	11-67	3	305	18,633	3.83	713	15	15,826	3.69	584	2-72		42	898	.00	32	53
61-60-0084	6595329	1308101	9-65	5	305	18,122	3.26	590	26	14,830	3.63	539	3-72		44	969	-.08	23	48
61-60-0084	6697507	1308101	9-66	4	304	17,800	3.46	615	41	14,150	3.72	526	10-71		44	993	-.06	27	52
61-60-0084	6697508	1315578	11-66	3	305	18,586	3.71	689	27	14,466	3.63	525	1-72		42	630	.10	37	49
61-73-0065	6171930	1368793	8-64	5	303	20,164	3.53	711	21	14,582	3.59	523	8-71		39	1,033	-.01	35	60
61-76-0027	6205322	1308101	7-64	5	305	19,842	3.05	606	7	13,344	3.27	436	2-72		44	1,363	-.08	37	72
61-76-0027	7494300	1308101	4-69	1	305	17,260	3.15	543	6	13,730	3.23	444	3-71		36	873	-.04	26	46
61-99-0001	5489617	1237277	1-62	8	304	26,216	3.25	851	24	16,655	3.39	565	11-71		44	1,241	-.06	35	66
61-99-0001	6173480	1182696	7-64	3	292	21,583	3.06	660	21	17,357	3.29	571	12-71		42	775	-.03	23	42
61-99-0001	6288025	1182696	12-64	5	296	22,192	3.39	752	19	17,016	3.26	555	10-71		44	947	.02	37	59
61-99-0001	6430086	1182696	7-65	5	305	21,620	3.17	685	28	16,946	3.34	566	11-71		44	882	-.03	27	49
61-99-0001	7640853	1308101	8-69	1	305	23,250	3.02	702	22	16,410	3.34	548	5-71		36	1,139	-.06	31	60
63-01-0017	5539029	1331709	10-61	4	305	17,860	3.56	635	13	13,418	3.51	471	7-71		44	756	-.02	24	43
63-01-0017	6773272	1432216	12-66	3	305	19,407	3.47	674	20	14,543	3.52	512	11-71		34	768	-.02	25	44
63-01-0048	6580497	1303900	7-66	1	305	15,830	3.32	526	8	9,480	3.50	332	1-72		34	851	-.07	20	42
63-03-0003	4515912	1258706	10-57	8	305	16,879	3.60	607	15	13,063	3.61	472	7-71		34	705	.00	25	42
63-03-0007	6491709	1294703	11-65	4	305	16,255	3.61	586	12	12,825	3.64	467	3-72		43	765	-.03	23	42
63-03-0014	6784345	1338592	12-66	2	305	21,575	3.52	759	19	16,050	3.60	577	4-71		40	833	-.06	21	42
63-03-0022	5195736	1094305	10-60	8	304	21,423	3.61	773	49	15,928	3.52	561	9-71		44	723	.02	29	46
63-03-0022	5934245	1267271	8-63	6	303	21,925	3.39	743	56	16,578	3.55	588	1-71		44	981	-.06	26	51
63-03-0022	5934258	1287490	11-63	5	302	22,898	3.54	811	47	17,326	3.57	619	1-71		42	758	.01	29	47
63-03-0022	6270594	1296729	11-64	5	301	23,016	3.41	784	65	16,720	3.58	598	11-71		44	1,015	-.09	23	5
63-03-0022	6427285	1273756	8-65	5	305	21,636	3.36	726	44	17,600	3.61	635	3-72		44	857	-.02	28	49
63-03-0022	6427290	1273756	8-65	4	304	21,310	3.39	722	61	16,688	3.59	599	9-71		44	898	-.01	31	53
63-03-0022	6427294	1273756	9-65	4	305	20,935	3.47	727	37	16,473	3.62	596	4-71		44	675	.00	32	53
63-03-0022	6427296	1273756	10-65	4	303	19,248	3.67	706	44	16,845	3.61	608	5-71		44	626	.04	28	42
63-03-0022	6427297	1273756	10-65	4	305	21,908	3.74	819	37	17,035	3.58	610	6-71		44	933	.05	42	63
63-03-0022	6427299	1273756	10-65	5	301	24,540	3.71	910	63	16,786	3.58	601	11-71		44	1,326	.05	55	85
63-03-0022	6510134	1352953	1-66	4	305	23,098	3.61	834	52	17,823	3.60	642	3-72		44	679	.01	26	42
63-03-0022	6510137	1273756	11-65	4	305	22,838	3.35	766	22	16,255	3.59	584	9-71		44	1,135	-.02	38	66
63-03-1011	7128727	1491039	7-68	2	305	23,235	3.52	819	45	16,080	3.68	591	11-71		25	927	-.02	30	53
63-03-1011	7464854	1427381	11-69	1	302	20,030	3.77	755	21	17,250	3.59	619	2-72		36	996	.06	45	67
63-03-1011	7575367	1427381	2-70	1	305	20,120	3.85	775	35	17,180	3.59	616	1-72		36	1,007	.06	46	68
63-03-1029	5104046	1292483	12-59	5	292	19,826	3.72	738	22	13,526	3.66	495	4-71	8	36	940	.02	37	59
63-03-1029	7122411	1390302	2-67	3	301	18,797	3.56	669	22	13,690	3.64	499	7-71		33	748	-.02	24	42
63-05-0001	7823053	1559306	8-69	1	305	19,620	3.45	677	57	14,530	3.52	511	9-71		22	721	-.01	24	42
63-05-0001	7823056	1559306	9-69	1	305	20,640	3.54	730	60	14,860	3.50	520	10-71		22	787	.00	28	47
63-05-0012	6952642	1261857	10-67	2	303	17,925	3.35	601	21	15,320	3.60	551	8-71		40	679	.02	28	44
63-06-0012	6401869	1445963	9-65	4	301	20,250	3.38	685	34	14,875	3.41	507	5-71		42	729	-.02	24	42
63-06-0017	6261919	1237057	10-64	5	305	21,674	3.76	816	10	16,748	3.61	604	3-72		44	926	.00	33	55
63-06-0017	7149148	1386406	9-68	2	305	24,400	3.68	897	16	16,745	3.58	600	3-72		40	1,044	.03	42	66
63-06-0017	7745045	1427381	10-69	1	305	19,420	3.51	682	57	14,880	3.58	532	11-71		36	1,109	.03	45	71
63-06-0024	6714654	1386406	8-66	2	304	19,415	3.46	672	5	14,980	3.57	535	1-72		40	699	.00	25	42
63-06-0030	6903981	1261857	3-67	2	281	17,635	3.50	618	22	13,105	3.53	463	12-71		40	851	.05	38	57
63-06-1023	7499962	1347940	10-69	1	305	19,850	3.50	695	10	15,760	3.55	560	10-71		36	833	-.01	29	49
63-07-0006	6235825	1308101	1-65	5	298	15,424	3.49	538	19	12,562	3.53	444	3-72		44	884	-.03	27	49
63-08-0032	6909238	1303900	12-66	4	291	19,473	3.51	683	9	15,153	3.54	536	1-72		42	912	-.05	25	46
63-08-0046	6433493	1416871	11-65	3	305	22,413	3.56	798	10	13,996	3.53	494	1-71		33	1,036	.00	38	63
63-08-0046	6387433	1490364	7-67	3	305	19,093	3.71	709	11	14,440	3.60	520	1-72		29	664	.02	27	42
63-09-0007	5513791	1352290	9-61	8	302	20,233	3.44	696	54	15,124	3.51	531	1-72		37	939	-.04	28	51
63-09-0007	7349188	1386406	9-68	2	305	19,790	3.96	784	53	16,300	3.49	569	12-71		40	617	.08	34	47
63-09-0007	7652006	1320310	2-69	1	305	21,450	3.13	672	47	16,430	3.34	548	7-71		36	982	-.07	25	50
63-09-0007	7841181	1347940	7-69	1	305	18,200	3.59	654	74	16,590	3.31	549	9-71		36	655	.02	27	42
63-12-0017	6884041	1477121	3-67	3	305	22,023	3.21	707	64	15,850	3.59	569	12-71		37	954	-.10	19	44
63-12-0017	7228762	1320310	8-68	2	305	21,675	3.16	685	71	16,510	3.56	588	3-72		40	1,104	-.10	25	54
63-12-0017	7341704	1406271	11-68	1	305	20,670	2.96	612	62	15,510	3.43	532	7-71		36	801	-.02	26	46
63-12-0017	7523741	1447141	10-69	1	305	21,550	3.73	803	56	15,930	3.72	592	3-72		36	673	.06	33	47
63-12-0031	7426821	1427381	10-69	1	305	21,620	3.78	818	15	16,540	3.48	576	10-71		36	1,162	.06	52	78
63-12-0031	7558025	1427381	8-69	1	305	18,140	3.48	631	15	16,130	3.49	563	8-71		36	930	.04	39	60

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C O	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
63-12-0058	7421495	1427381	7-69	1	305	17,110	3.25	556	20	14,790	3.36	497	1-72		36	943	.03	38	$ 60
63-12-0058	7584862	1447414	1-70	1	305	16,540	3.70	612	20	14,540	3.33	484	2-72		35	762	.00	27	45
63-13-0010	6965884	1458744	9-67	2	294	21,755	3.17	690	25	15,265	3.69	564	9-71		40	1,117	-.07	29	58
63-13-0014	6332485	1451360	8-64	4	305	20,055	3.91	784	16	13,612	3.56	485	1-71		35	858	.08	43	61
63-13-0016	6691934	1458744	10-66	3	293	17,296	3.84	665	27	14,920	3.67	548	2-71		42	714	.02	29	45
63-13-0016	6703038	1406271	10-66	3	305	16,677	3.57	595	39	12,263	3.69	453	10-71		42	854	.02	34	54
63-13-0019	7167870	1347940	2-68	2	305	17,055	3.95	674	13	15,335	3.68	565	5-71		40	671	.03	29	44
63-17-0026	6239475	1308101	8-64	6	302	18,538	3.41	632	13	13,125	3.57	468	10-71		44	1,220	-.04	37	67
63-17-0027	6685129	1308101	8-65	4	305	17,765	3.35	596	15	14,197	3.63	516	6-71		44	984	-.06	26	51
63-17-0027	6685130	1308101	9-65	5	301	19,044	3.61	688	27	14,812	3.61	535	12-71		44	1,090	-.02	36	63
63-17-0027	6762683	1308101	11-65	4	305	18,677	3.55	663	25	14,452	3.65	528	7-71		44	1,068	-.04	33	59
63-17-0027	6947594	1308101	10-66	3	304	18,243	3.50	639	17	14,093	3.68	519	7-71		42	1,032	-.04	31	57
63-17-0027	6947598	1308101	7-67	3	305	15,900	3.59	571	27	13,993	3.67	513	9-71		42	773	-.03	23	42
63-17-0027	6947599	1308101	9-67	3	305	18,076	3.75	678	24	14,723	3.66	539	2-72		42	948	-.01	33	56
63-17-0027	6947601	1315578	11-66	3	305	19,513	3.54	691	23	14,500	3.65	529	11-71		42	734	.07	37	53
63-17-0027	7528997	1491980	1-69	2	301	19,450	3.70	720	26	14,850	3.68	546	1-72		35	770	.05	36	53
63-17-0027	7529000	1308101	8-68	2	305	19,020	3.53	672	31	13,915	3.67	511	9-71		40	1,092	-.03	34	61
63-17-0027	7529030	1308101	10-69	1	305	19,050	3.55	677	34	14,080	3.69	519	9-71		36	983	-.03	31	55
63-17-0029	7083644	1493686	7-68	2	299	17,345	3.89	674	10	14,895	3.63	541	2-72		40	653	.06	33	47
63-19-0039	6596340	1430162	4-66	4	300	18,370	3.41	627	22	13,320	3.39	451	9-71		42	727	.03	30	47
63-22-0006	7159118	1406271	7-68	2	305	18,755	3.45	647	27	15,795	3.41	538	12-71		40	698	.04	31	47
63-22-0006	7338714	1406271	3-69	1	305	19,780	3.50	692	16	14,520	3.43	498	8-71		36	801	.04	35	53
63-22-0006	7338716	1406271	3-69	1	305	17,420	3.59	626	16	14,520	3.43	498	8-71		36	625	.05	30	44
63-22-0006	7515018	1406271	7-69	1	305	19,780	3.61	715	17	17,180	3.32	570	2-72		36	623	.06	31	44
63-23-0006	6967377	1267271	12-67	2	305	18,570	3.35	623	107	12,890	3.52	454	7-71		40	844	-.06	22	44
63-23-0006	7318544	1355784	9-68	2	296	18,270	3.53	645	87	14,480	3.55	514	1-72		40	870	-.07	21	44
63-23-0035	7118384	1347940	6-68	1	305	20,370	3.34	681	62	15,910	3.57	568	10-71		36	862	-.02	28	49
63-24-0012	7148887	1387978	8-68	2	305	20,055	3.37	675	25	14,185	3.49	495	11-71		40	997	-.03	31	56
63-24-0017	7158158	1387978	8-68	2	305	18,265	3.52	643	17	13,825	3.62	500	12-71		40	849	-.02	28	49
63-25-0001	5930165	1199324	8-63	6	299	16,155	3.37	545	16	13,747	3.32	456	12-71		44	733	-.01	25	43
63-25-0005	6605754	1276654	9-66	3	305	21,877	3.44	753	17	14,680	3.38	496	7-71		42	958	.00	34	57
63-25-0005	6642944	1283917	10-66	3	298	20,496	3.61	739	30	15,460	3.29	508	12-71		42	800	-.03	25	45
63-26-0022	6662507	1383004	11-66	4	276	19,202	4.33	831	13	15,340	3.73	572	4-72		44	451	.19	45	51
63-26-0022	7236535	1383004	8-68	2	281	21,075	4.05	853	13	15,980	3.74	598	2-72		40	494	.15	40	46
63-26-0022	7651063	1347940	11-68	1	305	19,390	3.12	604	15	14,940	3.60	538	9-71		36	854	-.04	24	4[illegible]
63-26-0022	7651064	1347940	11-68	1	305	19,990	2.99	598	14	13,940	3.67	511	8-71		36	966	-.06	25	5[illegible]
63-28-0021	6681238	1237057	10-66	3	305	17,567	3.79	665	10	12,870	3.61	465	9-71		42	792	-.01	27	4[illegible]
63-28-0021	6681550	1450228	9-66	3	305	17,166	3.69	634	17	12,720	3.55	452	12-71		41	1,023	-.01	36	61
63-32-0013	6245708	1294703	12-64	3	305	20,840	3.37	703	19	17,053	3.50	597	2-71		42	838	-.05	22	43
63-32-1015	7066868	1419936	9-67	3	305	24,383	3.53	860	5	17,160	3.40	583	4-72		38	942	.03	38	6[illegible]
63-32-1015	7375777	1427381	8-69	1	290	20,600	3.40	701	12	16,430	3.46	569	11-71		36	1,093	.03	44	69
63-34-0004	6542123	1303900	10-65	3	303	19,590	2.88	564	9	13,280	3.52	467	3-71		41	1,096	-.15	17	47
63-37-0011	5590564	1199324	2-62	6	305	19,693	3.36	662	18	14,013	3.54	496	1-72		44	1,158	-.04	35	64
63-37-0011	5801210	1352991	12-62	6	300	20,081	3.13	629	17	14,885	3.61	537	3-71		40	1,234	-.12	25	58
63-37-0011	6339163	1303900	5-65	5	300	17,164	4.19	720	21	14,700	3.56	524	2-72		43	680	.05	32	47
63-37-0014	7014048	1303900	2-67	2	305	22,885	3.94	902	7	16,485	3.51	579	11-71		38	1,065	.02	41	66
63-37-0014	7302324	1458744	3-69	1	293	22,860	3.05	698	16	18,420	3.34	615	5-71		36	840	-.05	23	44
63-40-1101	6773565	1357743	10-66	3	305	23,217	3.45	800	14	16,557	3.62	600	1-72		42	895	-.05	24	47
63-45-0013	7778535	1427381	10-69	1	305	16,840	3.43	577	5	14,750	3.55	523	9-71		36	926	.03	38	59
63-51-0014	6538315	1347940	12-65	3	305	16,570	3.87	642	13	13,570	3.55	482	6-71		42	806	.04	35	53
63-51-1123	7352649	1387978	7-68	2	305	20,775	3.49	725	24	15,615	3.61	564	3-72		40	940	-.03	30	53
63-60-0002	5643605	1390206	8-62	6	305	19,403	3.45	669	20	15,565	3.41	531	5-71		35	749	.00	27	45
63-60-0002	6389377	1308101	9-65	4	304	21,765	3.37	734	25	16,965	3.42	581	4-71		44	1,170	-.04	36	65
63-60-0002	6709671	1308101	10-66	3	305	20,700	3.22	667	26	17,083	3.40	580	3-71		42	1,005	-.05	28	53
63-60-0002	6913435	1315578	7-67	3	305	18,816	3.77	710	12	15,076	3.42	516	1-72		42	594	.12	40	51
63-60-0002	7572044	1427381	8-69	1	305	21,380	3.28	701	25	16,050	3.41	547	5-71		36	1,177	.02	46	73
63-60-0002	7572045	1427381	8-69	1	305	23,720	2.93	694	31	14,530	3.47	504	9-71		36	1,453	-.03	48	83
63-60-0002	7572047	1427381	9-69	1	305	18,460	3.48	643	31	14,530	3.48	505	8-71		36	1,061	.04	44	63
64-01-0114	6863153	1261857	3-67	3	302	17,273	3.62	626	20	14,310	3.52	504	1-72		42	731	.06	36	52
64-01-0126	6422533	1406271	12-65	4	294	17,218	3.90	671	32	14,283	3.35	478	8-71		44	723	.10	41	56
64-02-0108	7008410	1261857	8-67	2	305	19,575	4.09	800	5	17,825	4.04	720	2-71		40	617	.07	33	46
64-05-0103	6531313	1475640	1-66	4	302	16,808	4.00	672	45	13,423	3.71	498	11-71		33	543	.08	32	43
64-05-0134	6309547	1222994	12-64	4	302	19,450	3.50	680	8	14,843	3.40	504	3-71		44	833	.01	32	51
64-08-0103	6661110	1406271	7-66	4	304	21,080	3.69	778	18	14,853	3.47	516	11-71		44	1,137	.06	50	75
64-08-0106	6386779	1261857	3-65	5	291	17,294	3.77	652	18	14,834	3.63	539	1-72		44	700	.07	36	51
64-08-0106	6875332	1377954	8-67	3	305	18,283	3.62	661	34	14,173	3.68	521	8-71		42	811	.00	30	49
64-08-0115	7017646	1406271	2-67	3	301	16,423	3.52	578	28	13,493	3.44	464	8-71		42	697	.04	31	47
64-08-0115	7108468	1406271	7-67	3	299	15,483	3.75	581	32	13,180	3.51	463	9-71		42	622	.06	31	44
64-08-0117	7108472	1406271	12-67	3	305	18,290	3.28	599	21	14,413	3.54	510	12-71		42	817	-.01	28	48
64-08-0117	7604772	1406271	9-68	2	305	18,010	3.08	554	29	13,995	3.48	487	10-71		40	767	-.02	26	45
64-13-0110	6801672	1360676	10-66	3	301	21,330	3.55	757	11	16,240	3.50	569	9-71		41	1,020	.01	39	63
64-13-0110	6801673	1360676	11-66	3	301	20,637	3.67	758	10	16,070	3.48	559	9-71		41	957	.04	40	62
64-29-0105	7582022	1536410	6-69	1	305	21,020	3.60	756	12	13,090	3.72	487	11-71		19	741	.00	26	44
64-29-0123	6640954	1236789	10-66	3	302	15,590	3.72	580	72	12,203	3.47	423	10-71		42	688	.03	29	45
64-29-0123	6821513	1406271	9-66	3	296	15,390	3.66	563	59	12,943	3.53	457	10-71		42	635	.05	30	44
64-29-0123	6821521	1406271	11-66	4	291	16,320	3.86	630	63	13,463	3.45	464	11-71		44	704	.08	38	52
64-36-0135	7035693	1387978	10-67	1	305	19,000	3.49	664	6	14,840	3.65	541	2-72		36	743	-.02	24	42
64-36-0135	7577313	1387978	10-68	1	305	17,770	3.93	698	8	14,220	3.78	537	12-71		36	692	.01	26	42
64-53-0101	6421650	1271810	2-65	5	305	19,276	3.49	673	51	12,752	3.65	466	7-71		44	1,103	-.06	31	59
64-53-0101	6786441	1406271	2-67	3	305	17,067	3.32	567	52	12,540	3.68	462	8-71		42	870	-.01	30	51
64-53-0101	6898243	1406271	8-67	3	305	18,313	3.53	646	59	12,673	3.67	465	9-71		42	1,000	.01	38	61
64-53-0101	7180364	1406271	7-68	2	305	15,570	3.85	599	34	12,120	3.68	446	7-71		40	711	.06	34	49
64-55-0102	6632766	1450613	9-66	3	305	21,860	3.37	737	28	14,070	3.55	499	7-71		34	998	-.04	30	55
64-58-0110	5455874	1344455	9-61	7	303	15,440	3.54	546	27	12,591	3.35	422	1-71		37	612	.04	28	42
64-58-0110	7326694	1427381	1-69	1	305	18,790	3.04	572	28	13,370	3.37	451	2-71		36	1,163	.00	42	70

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C D	......C O W REPT (%)	I N D E X...... MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
64-58-0110	7654632	010299972	4-68	2	301	17,280	3.56	616	49	12,210	3.56	435	10-71		34	775	-.01	27	$ 46
64-63-0115	6141134	1234023	8-64	5	305	20,224	3.48	704	22	14,512	3.59	521	2-71		44	781	.01	29	47
64-99-0101	4931648	1060259	8-59	9	305	19,652	3.66	719	22	15,380	3.70	569	7-71		44	876	-.02	28	50
64-99-0101	6637950	1261857	9-66	3	290	18,337	4.23	776	22	16,520	3.74	618	6-71		42	625	.13	42	53
64-99-0101	7051686	1162188	10-67	2	305	19,440	3.44	668	16	14,360	3.38	485	12-71		40	776	-.03	23	42
64-99-0102	4931647	1060259	8-59	9	303	18,808	3.43	645	18	14,671	3.68	540	11-71	8	44	849	-.06	22	44
65-03-0331	6486120	1244845	1-66	4	305	22,753	3.64	828	24	16,853	3.64	614	12-71		44	957	-.02	31	54
65-03-0331	7213726	1347940	8-68	2	305	20,370	3.70	754	23	17,395	3.63	632	11-71		40	820	.01	31	50
65-03-0331	7213730	1347940	8-68	2	291	20,270	3.38	685	22	17,525	3.65	639	11-71		40	798	-.04	23	43
65-03-0331	7251992	1347940	8-68	2	292	19,565	3.51	687	24	17,380	3.60	626	10-71		40	739	-.01	25	43
65-03-0331	7515891	1320310	8-69	1	305	20,850	3.82	796	22	17,540	3.55	623	9-71		36	863	-.01	29	50
65-04-0012	6559546	1397209	3-66	3	305	18,453	3.49	644	6	14,333	3.54	508	3-72		42	764	-.03	23	42
65-04-0013	6684930	1261857	11-66	2	305	19,680	3.35	660	38	13,090	3.58	469	8-71		40	1,060	.02	42	67
65-04-0013	7421286	1427381	8-69	1	266	19,480	3.60	702	46	15,820	3.58	567	12-71	B	36	1,051	.04	44	68
65-07-0006	6390397	1308101	11-65	4	290	17,572	3.46	608	28	15,407	3.52	542	10-71		44	825	-.03	25	45
65-07-0006	6896515	1308101	10-67	2	305	19,825	3.47	687	34	16,135	3.48	562	8-71		40	970	-.03	30	54
65-10-0001	6889428	1261857	10-67	3	295	16,390	3.49	572	26	14,480	3.48	504	9-71		42	612	.05	30	43
65-10-0001	7403529	1396740	5-69	1	305	23,580	3.72	876	36	14,080	3.54	498	10-71		35	784	.07	39	56
65-11-0017	5839682	1283937	1-63	5	273	20,784	3.56	739	30	14,910	3.55	530	7-71		36	937	-.01	33	55
65-11-0017	7003335	1471618	11-67	3	299	21,693	3.37	732	7	16,896	3.32	561	3-72		34	868	-.02	28	49
65-12-0007	6270012	1430162	2-65	5	299	18,696	3.75	701	20	14,400	3.72	536	10-71		43	669	.05	31	46
65-12-0007	6691120	1261857	11-66	3	305	22,183	4.02	891	14	16,170	3.64	589	4-72		42	1,103	.12	58	81
65-12-0007	6957879	1315578	1-68	2	305	19,185	4.49	862	28	16,245	3.66	594	8-71		40	478	.19	46	52
65-12-0007	7426668	1308101	9-69	1	305	18,280	3.69	675	29	16,120	3.73	602	11-71		36	789	-.02	25	44
65-13-0008	6646994	1261857	8-66	2	305	18,280	3.45	631	42	14,425	3.54	511	1-72		40	796	.04	35	53
65-13-0008	6646995	1261857	9-66	2	305	16,520	3.51	580	34	14,260	3.54	505	8-71		40	633	.05	30	44
65-13-0008	6686406	1261857	11-66	2	305	17,450	3.71	648	31	14,780	3.57	527	1-72		40	680	.07	35	49
65-13-0008	6785735	1360676	12-66	2	305	16,260	3.59	583	30	13,400	3.55	476	3-71		39	705	.02	28	44
65-13-0008	6831847	1261857	2-67	3	300	17,153	3.74	641	42	13,890	3.52	489	10-71		42	761	.08	40	56
65-13-0008	6933054	1261857	7-67	3	305	16,580	3.53	585	24	14,600	3.54	517	3-72		42	621	.05	30	43
65-13-0008	7065137	1360676	3-68	2	305	19,385	3.39	658	35	14,520	3.53	513	4-72		39	924	-.01	32	54
65-17-0036	7023231	1465678	9-67	1	305	21,770	3.41	743	23	14,020	3.55	498	2-71		31	1,042	-.02	34	59
65-20-0002	6329869	1422723	1-65	5	298	16,924	3.39	573	8	13,360	3.47	463	9-71		37	809	-.01	27	47
65-20-0002	6329871	1422723	2-65	4	305	18,343	3.37	619	14	13,538	3.51	475	3-71		36	973	-.03	31	55
65-27-0001	6951968	1308101	2-67	3	305	19,900	3.29	655	15	16,283	3.32	541	6-71		42	996	-.04	30	55
65-52-0048	5442082	1309943	3-61	6	298	21,958	3.04	667	16	14,483	3.49	506	2-72		37	1,261	-.11	28	61
65-52-0048	5836662	1309943	4-63	4	305	19,083	3.09	589	23	13,950	3.36	469	10-71		36	885	-.07	21	44
65-52-0048	6194089	1416897	9-64	4	303	19,042	3.22	614	17	14,295	3.31	473	1-71		43	898	-.04	26	49
65-53-0001	6684929	1261857	9-66	3	302	20,907	3.65	764	46	15,677	3.63	569	9-71		42	1,008	.06	45	67
65-53-0001	6731479	1261857	9-66	3	299	18,260	3.55	648	51	15,840	3.60	571	11-71		42	686	.05	32	47
65-53-0001	7482881	1308101	10-69	1	302	18,620	3.20	596	50	16,150	3.58	578	10-71		36	812	-.05	21	42
65-53-0009	6218272	1303900	8-64	2	305	18,290	3.78	691	19	14,240	3.58	510	10-71		38	796	-.02	26	45
65-53-0009	6430446	1426467	1-65	2	305	25,740	3.44	885	10	16,820	3.56	598	2-72		25	1,159	-.02	38	66
65-53-0009	6430447	1426467	1-65	2	305	25,020	3.46	865	21	13,900	3.61	502	9-71		25	1,461	-.03	46	80
71-02-0051	5538470	1260526	9-61	7	303	17,057	3.69	629	8	12,664	3.47	440	9-71		36	726	.03	30	47
71-02-0057	7165405	1427381	8-68	1	150	16,790	3.47	583	13	13,770	3.54	487	12-70	8	36	968	.03	41	64
71-02-0057	7201708	1427381	7-68	2	305	17,285	3.65	631	11	15,195	3.50	532	3-72	8	40	942	.05	42	63
71-02-0057	7310732	1427381	10-68	2	303	16,925	3.52	596	10	15,355	3.50	538	3-72		40	890	.04	38	58
71-02-0057	7515868	1427381	12-69	1	279	18,160	3.30	599	12	15,690	3.51	550	11-71		36	961	.02	38	6[illegible]
71-02-0061	6025383	1271810	1-64	5	305	21,270	3.54	754	19	15,460	3.43	531	1-72		44	1,046	-.02	34	5[illegible]
71-02-0061	6923710	1493686	11-67	2	305	19,355	3.41	660	24	16,705	3.39	567	5-71		40	692	.03	29	45
71-02-0061	7087582	1493686	1-68	2	295	19,840	3.35	665	21	16,880	3.37	569	6-71	8	40	726	.02	29	46
71-02-0061	7087583	1493686	1-68	2	305	20,945	3.25	681	19	16,180	3.39	548	9-71		40	903	.00	33	54
71-02-0071	7081634	1427381	6-68	2	288	19,755	3.78	746	8	16,860	3.78	638	1-72	8	40	1,040	.04	44	58
71-02-0071	7289445	1466179	3-69	1	225	17,150	3.25	558	18	14,890	3.67	547	9-71	8	29	866	-.06	22	44
71-04-0004	7567655	1427381	11-69	1	305	18,380	3.76	691	16	15,320	3.51	537	4-72		36	1,002	.06	45	67
71-04-0035	7460149	1493892	1-70	1	305	23,450	3.60	845	9	14,090	3.35	472	1-72		24	896	.04	38	58
71-07-0006	7355760	1406271	8-67	2	297	17,575	3.27	575	6	13,505	3.29	444	6-71		40	788	.02	32	5[illegible]
71-07-0007	6614262	1460313	9-66	4	295	19,803	3.04	603	11	14,303	3.33	477	1-72		35	859	-.07	21	43
71-07-0010	6547398	1377560	7-65	4	304	20,577	3.48	716	8	13,275	3.48	462	10-71		37	917	-.01	32	54
71-10-0001	6159807	1210507	9-64	3	305	26,657	3.15	840	8	20,750	3.19	661	2-71		41	1,170	-.10	26	57
71-10-0001	6435869	1466179	12-65	3	270	20,073	3.01	605	11	18,130	3.30	598	10-71	8	37	898	-.07	21	44
71-10-0001	6551428	1330987	2-66	4	305	21,593	3.43	740	12	18,770	3.39	636	7-71		44	684	.03	29	45
71-10-0001	7475583	1427381	2-69	1	305	18,650	3.49	650	9	17,040	3.50	596	5-71		36	907	.03	38	59
71-10-0002	7039560	1261857	7-66	3	305	16,267	3.50	569	16	14,460	3.35	485	10-71		42	600	.07	32	44
71-10-0031	7475590	1427381	11-69	1	305	18,350	3.16	580	8	11,460	3.14	360	11-71		36	1,259	.02	49	78
71-18-0009	6608337	1466812	7-66	3	305	17,456	3.51	613	10	13,580	3.53	480	10-71		36	810	.00	29	48
71-18-0009	6904718	1493686	9-67	3	300	16,846	3.67	618	11	15,036	3.29	495	12-71		42	604	.07	32	45
71-18-0009	7564809	1427381	10-69	1	297	18,800	3.53	663	10	14,030	3.79	532	1-72		36	1,120	.02	44	70
71-19-0023	6302251	1210507	12-64	5	298	19,316	3.32	641	21	14,174	3.53	501	9-71		43	1,064	-.11	22	5
71-19-0027	7311284	1427381	2-69	1	305	18,080	3.33	602	14	14,590	3.38	493	8-71		36	1,029	.03	42	66
71-19-0035	6455379	1406271	10-65	1	305	19,720	3.91	772	9	17,450	3.55	620	12-71		36	600	.07	32	44
71-19-0035	7119127	1427381	9-68	1	305	17,600	3.79	667	9	14,750	3.36	495	8-71		36	982	.07	46	67
71-25-0014	5830754	1237057	4-63	4	289	21,208	3.23	686	10	14,623	3.34	488	11-71		44	1,079	-.07	28	56
71-25-0014	7079550	1479704	9-67	2	305	20,580	3.29	677	22	14,610	3.32	485	6-71		30	829	-.01	29	49
71-25-0014	7086514	1403109	8-66	4	302	19,983	3.57	714	18	15,365	3.57	549	2-72		30	717	.00	26	43
71-40-0001	6706981	1244009	7-66	2	305	18,585	2.84	528	7	13,100	2.99	392	3-71		40	963	-.08	22	47
71-47-0010	6985734	1483723	11-67	2	305	15,285	3.73	570	16	12,420	3.26	405	11-71		34	595	.05	29	42
71-73-0002	7562015	1427381	12-68	1	305	17,410	3.12	543	22	15,240	3.01	458	12-71		36	935	.04	40	61
71-73-0002	7562017	1427381	11-69	1	280	20,270	2.68	544	19	15,460	2.97	459	1-72		36	1,134	-.01	40	67
71-73-0002	7671162	1417208	8-69	1	305	22,300	2.58	575	24	15,300	3.01	460	12-71		36	939	-.06	24	48
71-80-0003	5637073	1355784	4-62	5	305	20,352	3.09	629	36	14,792	3.37	499	3-71		44	1,180	-.12	24	55
72-16-0001	6746852	1320310	8-66	2	305	15,930	3.33	530	41	12,760	3.33	425	5-71		40	863	-.05	24	46
72-17-0003	6549847	1404195	11-65	2	305	24,495	2.51	616	42	15,245	3.10	473	1-71		29	1,2[illegible]	-.16	19	52
72-17-0003	6549852	1273756	10-65	4	303	22,965	3.01	692	33	14,973	3.24	485	3-72		44	1,293	-.04	40	72

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION.. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C O	.......C O W REPT (%)	MILK (LB)	I N D E X....... FAT (%)	FAT (LB)	DOL-LARS
72-17-0003	6549853	1273756	11-65	3	305	19,627	2.92	573	33	14,833	3.11	462	1-71		42	862	-.03	27	$ 48
72-17-0003	7364478	1347940	4-69	1	305	16,880	3.95	666	35	15,130	3.62	548	1-72		36	654	.03	28	43
72-28-0007	6355817	1409658	8-64	3	294	19,927	3.10	617	13	13,600	3.45	469	11-71		29	891	-.07	21	44
72-28-0007	6896942	1279868	7-67	2	305	17,365	3.81	662	26	14,060	3.36	473	8-71		38	604	.05	30	43
72-28-0010	5325628	1112211	1-61	2	305	21,350	3.01	643	14	16,100	3.46	557	10-71		40	927	-.09	19	44
72-28-0013	7292479	1320310	12-68	2	305	16,450	3.39	557	17	13,190	3.28	433	12-71		40	876	-.03	27	49
72-31-6101	6978527	1406271	9-67	3	294	19,997	3.03	606	58	14,453	3.26	471	8-71		42	1,009	-.02	33	58
72-34-0126	5779640	1237057	9-62	8	285	17,894	3.53	632	25	13,830	3.49	482	12-71		44	777	-.03	23	42
72-34-0126	6294016	1329588	12-64	5	287	18,672	3.40	635	30	14,020	3.42	480	11-71		44	789	-.02	25	44
72-46-0008	7621482	1406271	7-69	1	305	16,910	3.35	566	13	13,590	3.32	451	12-71		36	650	.03	28	43
72-46-0011	6625917	1320310	8-66	1	305	22,700	2.59	589	62	15,320	2.87	440	11-71		36	1,150	-.10	26	56
72-46-0011	7424418	1406271	7-69	1	305	22,240	2.70	601	22	15,560	3.03	471	2-72		36	915	-.02	30	52
73-04-0005	7220361	1510387	9-68	2	305	22,335	3.44	768	14	16,815	3.71	623	12-71		30	853	-.04	24	46
73-04-0005	7220363	1510387	11-68	1	305	21,660	3.49	755	7	15,090	3.68	555	6-71		24	772	-.03	23	42
73-04-0027	6259754	1222994	12-64	5	255	19,090	3.61	689	16	15,442	3.58	553	4-71		44	739	.01	28	45
73-04-0027	6456784	1450228	10-65	2	305	19,010	3.13	595	16	14,595	3.41	497	12-70		39	1,003	-.07	26	52
73-04-0027	7286915	1427381	1-69	1	305	17,630	3.64	641	32	15,410	3.72	574	9-71		36	940	.03	39	60
73-04-0027	8114306	1483713	2-70	1	305	24,220	3.58	867	28	15,300	3.53	540	2-72		26	1,191	.00	43	71
73-09-0004	5982821	1445899	11-63	4	305	21,163	3.08	652	32	15,898	3.52	559	2-71		35	1,029	-.10	22	49
73-09-0004	7729647	1331709	7-69	1	305	25,880	3.22	834	18	16,350	3.18	520	9-71		36	972	-.05	28	52
73-09-0011	7367765	1283917	10-68	2	305	23,515	3.42	805	34	17,185	3.54	609	2-72		40	887	-.08	19	42
73-09-0011	7701961	1427381	3-69	1	305	22,470	3.08	691	39	17,690	3.56	630	11-71		36	1,148	-.02	39	67
73-09-0022	6474415	1366229	1-66	2	305	21,115	4.13	871	22	15,375	3.76	578	6-71		40	651	.12	41	53
73-09-0022	6928076	1308101	8-67	1	305	28,970	3.28	950	26	16,210	3.66	593	2-71		36	1,579	-.07	46	86
73-14-0014	6864279	1383004	9-67	3	305	23,440	3.60	843	14	17,506	3.53	618	2-72		42	680	.10	40	53
73-16-0005	7244098	1276344	11-68	2	305	21,300	3.19	680	44	16,205	3.22	522	2-72		40	718	.01	27	44
73-20-0011	6991299	1487226	9-67	2	302	21,510	3.53	760	9	15,485	3.42	530	9-71		29	891	.01	33	54
73-20-0011	7028223	1360676	3-67	3	305	18,217	3.65	665	15	15,003	3.38	507	10-71		41	786	.04	35	53
73-20-0011	7244353	1487226	8-68	2	305	23,400	2.99	700	5	14,705	3.33	490	3-72		29	1,205	-.09	30	61
73-23-0006	5421424	010237136	2-59	6	305	19,765	4.00	790	17	14,165	3.66	518	3-72		44	586	.10	36	47
73-23-0006	6594739	1450228	1-66	4	305	20,582	3.67	755	34	15,115	3.61	545	1-72		42	1,210	-.01	42	71
73-23-0006	7070208	1314767	10-67	3	303	19,876	3.77	749	37	15,866	3.51	557	2-72		42	608	.05	30	43
73-23-0006	7706230	1458744	10-69	1	305	18,920	3.30	624	28	14,650	3.64	533	7-71		36	799	-.04	23	43
73-23-0008	5759210	1310625	10-62	5	305	18,550	3.26	605	22	13,474	3.59	484	8-70		38	1,006	-.06	27	53
73-23-0033	6965277	1466652	2-66	3	305	21,023	3.67	772	8	14,940	3.77	563	3-71		33	951	-.02	31	54
73-24-0001	6443077	1283536	10-65	4	305	21,895	3.14	687	19	15,045	3.53	531	9-71		44	953	-.10	19	44
73-24-0001	6443085	1294703	1-66	3	305	20,387	3.42	697	32	14,137	3.62	512	2-71		42	1,091	-.06	30	58
73-24-0001	7068895	1357743	1-68	2	305	24,275	3.18	771	18	14,890	3.47	517	11-71		40	1,065	-.08	26	54
73-24-0006	5888540	1236579	4-63	6	300	19,025	3.88	739	6	14,795	3.83	566	6-71		43	768	-.01	26	45
73-24-0006	7277217	1478014	11-68	2	300	19,915	3.80	757	8	16,325	3.72	608	2-72		40	642	.04	29	43
73-24-0010	7326208	1427381	8-68	1	305	18,240	3.62	660	17	15,130	3.83	580	10-71		36	1,004	.02	40	63
73-24-0014	6726593	1458744	9-66	3	268	20,253	3.51	710	8	14,913	3.67	547	10-71	B	42	1,055	-.03	34	60
73-26-0010	6835015	010274835	1-64	3	305	21,897	3.25	711	18	16,397	3.57	585	2-72		33	870	-.07	21	44
73-26-0046	6022771	010259958	12-59	4	305	21,738	2.96	643	16	12,765	3.41	435	10-71		43	1,066	-.09	25	53
73-36-0034	7424138	1489939	7-69	1	305	21,010	3.25	682	29	13,720	3.36	461	10-71		22	855	-.04	24	46
73-37-0003	6839885	1460262	8-65	5	305	23,656	3.52	833	27	19,070	3.70	706	4-72		32	801	-.03	24	44
73-37-0003	6889196	010288790	5-67	2	305	24,820	3.78	938	26	19,425	3.89	755	9-70		38	876	.06	40	59
73-37-0003	6910671	1487500	11-67	2	305	26,830	3.67	984	29	18,370	3.76	691	7-71		32	1,008	-.01	35	59
73-37-0003	7006469	1493248	11-67	2	305	26,680	3.67	979	27	20,055	3.80	762	4-71		30	1,031	-.03	32	57
73-37-0003	7184431	1458744	7-68	2	206	25,855	3.32	858	25	20,585	3.57	734	3-72	B	40	1,047	-.05	30	56
73-37-0019	5886900	1387748	4-63	7	296	20,931	3.14	658	12	14,560	3.53	514	3-72		36	1,025	-.09	23	52
73-37-0019	7134768	1425137	8-68	2	305	18,755	4.35	815	9	12,965	3.66	474	7-71		40	618	.08	34	47
73-37-0021	6493599	1244845	1-66	3	305	19,050	3.99	761	21	13,773	4.00	551	1-71		42	803	-.01	28	47
73-37-0021	7251527	1486606	8-68	2	302	19,470	3.92	763	10	14,060	3.92	551	12-71		25	680	.02	28	44
73-37-0024	6757825	1308101	1-67	1	305	18,540	3.81	707	33	14,920	3.81	569	7-71		36	888	-.02	29	51
73-37-0024	6854054	1383311	8-67	2	304	24,165	3.42	827	15	17,310	3.69	639	3-72		40	814	-.04	23	44
73-37-0024	7349857	1427381	2-69	1	305	21,780	3.71	809	28	14,670	3.77	553	9-71		36	1,299	.04	53	83
73-37-0024	7578073	1427381	9-68	1	305	19,680	3.80	748	32	14,680	3.81	560	7-71		36	1,142	.04	48	74
73-37-0025	7718525	1458744	1-69	1	305	21,090	3.79	799	5	15,200	3.76	572	1-71		36	924	.00	34	56
73-41-0028	6803639	1478904	6-67	3	305	17,540	3.77	662	19	13,030	3.56	464	10-71		33	715	.05	33	49
73-41-0028	6953103	1402118	10-67	2	305	23,105	3.31	765	25	15,390	3.52	541	3-71		40	962	-.06	26	50
73-41-0030	6955697	1350190	10-67	3	305	20,167	3.09	624	7	14,137	3.39	479	3-72		42	907	-.10	18	42
73-41-0030	7153405	010288790	8-68	2	305	19,990	2.97	593	6	15,510	3.35	519	12-71		38	739	.00	26	44
73-41-0049	6783445	1406271	11-66	3	302	20,030	3.61	724	6	13,897	3.52	489	12-71		42	1,070	.04	45	69
73-41-0075	6887610	1406271	11-65	3	288	18,530	3.34	619	9	15,810	3.44	544	1-72		42	700	.01	27	43
73-41-0075	6897691	1406271	10-65	3	295	18,887	3.85	727	8	15,847	3.38	536	2-72		42	737	.10	41	56
73-45-0020	6344143	1447044	11-64	5	298	19,278	3.63	700	14	15,552	3.44	535	12-70		36	923	.02	36	57
73-45-0027	7296947	1427381	8-68	1	305	20,440	3.17	647	16	14,410	3.37	485	9-71		36	1,217	.01	46	75
73-45-0042	6721881	1447044	4-66	3	305	21,273	3.42	728	17	15,030	3.37	506	11-71		34	1,205	-.01	42	71
73-46-0035	6616840	1308101	8-66	4	236	16,967	3.57	605	8	15,345	3.59	551	4-72		44	757	-.03	23	42
73-55-0016	6381255	1283917	6-65	4	305	20.562	3.24	667	29	14,682	3.45	507	2-72		44	934	-.10	18	43
73-55-0016	7025879	1458744	2-68	2	301	20,915	3.50	733	15	15,770	3.51	553	4-71		40	986	-.01	34	58
73-55-0016	7026881	1458744	4-68	2	305	18,210	3.50	637	45	14,835	3.49	518	10-71		40	797	-.01	27	46
73-55-0017	6053947	1179372	2-64	4	303	19,405	3.48	675	6	13,793	3.68	508	8-71		44	877	-.02	29	50
73-57-0039	6512502	1402207	10-65	5	305	26,234	3.27	859	10	16,398	3.53	579	2-72		38	1,494	-.04	48	85
73-60-0019	5814836	1240549	1-63	7	305	21,720	3.03	659	32	14,856	3.07	456	10-71		44	904	-.03	28	50
73-60-0019	6802380	1239242	8-66	3	305	19,517	3.71	724	38	15,407	3.27	504	6-71		42	639	.05	30	44
73-60-0019	7014680	1462015	2-67	3	305	20,083	3.33	669	30	14,877	3.22	479	6-71		33	832	-.01	28	46
73-60-0026	6341676	1338481	12-64	4	305	18,653	3.40	635	8	12,858	3.51	451	4-72		37	749	-.01	26	44
73-60-0050	7414056	1492486	5-69	1	280	20,950	3.43	719	6	13,190	3.50	461	9-71	B	34	1,090	-.09	25	54
73-60-0057	7073406	1496636	10-67	2	305	20.065	3.32	666	34	15,575	3.40	529	5-71		39	813	.02	33	52
73-60-0057	7349611	1492486	4-69	1	305	23,890	3.07	733	34	15,740	3.33	524	4-71		34	1,140	-.13	21	52
73-61-0001	6167763	1450922	11-64	4	305	19,120	4.00	764	59	15,238	3.56	543	8-71		30	603	.08	34	46
73-61-0001	6984122	1478487	1-68	2	305	21,530	3.44	741	37	15,555	3.52	548	7-71		31	782	-.03	23	43
73-69-0004	7392897	1427381	9-69	1	305	17,600	3.29	579	46	13,840	3.48	482	11-71		36	1,043	.02	41	65

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C D	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
73-69-0004	7505515	1427381	11-69	1	305	17,920	3.80	681	48	15,080	3.53	533	2-72		36	984	.06	45	$ 67
73-69-0004	7505516	1427381	12-69	1	305	21,290	3.59	765	48	15,080	3.53	533	2-72		36	1,235	.04	51	79
73-69-0004	7505517	1427381	2-70	1	305	17,410	3.64	633	28	15,410	3.58	551	4-72		36	924	.04	40	61
73-70-0031	6494145	1450228	3-66	2	189	19,400	3.66	711	5	15,435	3.54	547	6-71	B	39	965	-.01	33	56
73-72-0032	6864961	1425137	9-67	2	305	26,015	3.38	880	5	17,960	3.64	653	8-71		40	899	-.05	25	48
73-76-0008	5425817	1354086	8-61	8	294	19,168	3.57	685	20	14,754	3.63	536	6-71		37	682	.02	27	43
73-76-0008	7669945	1427381	4-70	1	305	22,580	4.01	905	46	18,080	3.51	634	1-72		36	1,130	.09	55	79
73-76-0008	7737997	1427381	2-69	1	305	21,330	3.95	843	27	16,380	3.71	607	6-71		36	1,151	.07	52	78
73-76-0008	7798423	1427381	10-69	1	305	21,060	4.21	887	41	18,180	3.53	641	2-72		36	1,010	.11	53	74
74-01-0033	6719567	1315578	9-66	2	305	20,315	3.68	747	34	16,040	3.38	542	10-71		40	612	.11	39	51
74-01-0033	6908981	1308101	8-67	2	305	18,205	3.37	614	34	14,900	3.48	518	4-71		40	919	-.04	27	50
74-01-0033	7052810	1308101	10-67	2	305	18,650	3.12	582	53	15,610	3.45	539	10-71		40	899	-.07	22	45
74-03-0129	7097959	1308101	5-68	2	288	16,470	3.49	575	66	12,510	3.61	451	12-71		40	961	-.04	29	53
74-03-0129	7163795	1308101	6-68	1	305	16,170	3.42	553	76	12,870	3.53	454	12-70		36	849	-.03	26	47
74-04-0140	7484640	1427381	8-69	1	297	15,950	3.36	536	17	14,080	3.43	483	8-71		36	904	.03	37	58
74-04-0143	7332321	1491981	8-67	2	305	23,645	2.86	677	16	16,265	3.43	558	12-71		38	1,015	-.13	17	45
74-05-0029	7758369	1308101	5-69	1	305	17,440	3.13	546	17	15,180	2.89	439	4-71		36	789	-.02	26	45
74-05-0032	6101314	1179372	8-63	6	303	18,905	3.18	601	11	13,930	3.45	481	10-71		44	825	-.04	23	44
74-05-0040	7882075	1261857	8-69	1	305	15,860	3.64	578	22	13,340	3.59	479	1-72		36	611	.06	31	44
74-05-0045	6671095	1308101	6-66	2	305	21,635	3.52	761	26	16,415	3.36	552	8-71		40	1,129	-.01	39	66
74-05-0045	6886434	1352979	7-67	2	305	24,080	3.15	758	13	18,285	3.23	591	3-72		40	921	-.09	20	44
74-05-0045	7485906	1308101	10-69	1	305	20,950	3.47	728	17	18,790	3.32	624	11-71		36	808	-.01	27	47
74-07-0032	6794125	1244009	4-67	2	305	18,690	3.12	583	74	13,745	3.39	466	7-71		40	915	-.08	21	45
74-07-0032	6878910	1308101	9-67	2	294	16,870	3.47	586	69	14,125	3.36	474	11-71		40	854	-.02	28	49
74-07-0032	7095694	1308101	5-68	2	299	16,080	3.51	565	68	13,500	3.33	449	8-71		40	831	-.01	28	48
74-10-0131	6337257	1333723	5-65	5	305	25,326	3.20	810	33	16,540	3.36	555	12-71		44	1,015	-.05	29	55
74-10-0131	6574671	1409681	8-64	5	305	21,392	3.38	723	28	16,296	3.32	541	3-72		36	970	-.03	31	55
74-10-0131	6574675	1330987	10-65	5	305	20,392	3.39	691	35	16,976	3.35	568	2-72		44	752	.03	31	48
74-10-0131	6574685	1237057	12-65	4	305	21,555	3.37	727	30	16,718	3.30	552	7-71		44	889	-.04	26	48
74-10-0131	6577872	1243697	1-65	5	303	21,598	3.63	784	35	16,696	3.28	548	1-72		44	555	.07	31	42
74-10-0131	6998584	1308101	11-67	3	305	23,730	3.29	780	41	17,516	3.32	582	11-71		42	1,309	-.05	40	72
74-10-0131	7408318	1510616	7-69	1	305	26,320	2.70	711	41	16,410	3.19	523	9-71		25	1,165	-.10	26	57
74-10-0159	7076319	1493686	2-68	3	303	19,146	3.26	625	5	16,386	3.20	524	1-72		42	730	.02	30	47
74-10-0159	7563160	1308101	1-70	1	305	20,250	3.15	637	7	17,640	2.98	525	1-72		36	833	-.02	27	47
74-10-0179	5788153	1210507	12-62	7	305	20,374	3.21	654	18	15,300	3.44	527	2-71		43	1,070	-.11	21	5[illegible]
74-10-0179	7914724	1308101	11-69	1	305	24,230	3.10	751	24	16,600	3.40	564	12-71		36	1,200	-.07	33	63
74-10-0201	6357662	1425163	12-63	6	301	22,975	2.99	686	40	15,976	3.36	536	10-71		38	1,100	-.11	22	51
74-10-0201	6957741	1365341	8-67	2	305	21,440	3.30	708	36	15,675	3.29	516	8-71		40	1,097	-.02	36	63
74-10-0201	6957742	1365341	10-67	2	305	18,895	3.49	659	38	15,210	3.31	503	8-71		40	882	.00	32	53
74-10-0201	7248172	1486609	8-68	2	298	20,985	3.17	666	41	14,860	3.29	489	8-71		25	781	-.04	22	42
74-10-0201	7248177	1492003	9-68	2	305	21,195	3.48	737	52	15,585	3.28	511	12-71		25	725	.02	29	46
74-10-0217	7192135	1308101	10-68	1	298	19,160	3.00	574	11	16,360	3.34	546	11-70		36	838	-.06	21	43
74-10-0223	6325122	1436058	1-65	1	305	22,980	3.29	756	9	16,790	3.07	516	9-71		25	776	.00	28	46
74-10-0226	6036672	1403342	10-63	4	249	19,165	3.16	605	36	14,818	3.34	495	12-71		35	964	-.07	24	49
74-11-0140	7060780	1331709	11-67	2	277	21,855	3.40	744	10	15,605	3.45	538	2-71	H	40	879	-.04	25	47
74-12-0104	6138218	1386406	4-64	5	304	21,970	3.36	738	90	15,846	3.55	562	8-71		44	1,035	-.02	34	59
74-12-0104	6443328	1182696	7-65	5	297	21,640	3.41	739	110	15,560	3.52	548	7-71		44	1,045	-.01	36	61
74-12-0104	6495350	1237057	3-65	5	299	22,622	3.17	718	99	16,458	3.54	582	11-71		44	1,082	-.10	23	52
74-12-0104	6649964	1451515	11-65	4	300	21,218	3.57	757	76	16,023	3.53	566	7-71		33	803	.01	30	49
74-12-0104	6965929	1282185	7-67	3	296	22,503	3.41	768	103	16,413	3.53	579	1-72		42	764	-.03	23	42
74-12-0104	6965931	1315578	7-67	3	299	19,320	3.69	712	132	15,956	3.50	559	10-71		42	561	.11	36	47
74-12-0111	6791689	1308101	10-66	3	302	24,300	3.43	834	56	19,676	3.46	681	2-71		42	1,151	-.04	36	64
74-12-0111	6912702	1308101	6-66	3	305	18,536	3.49	646	58	15,896	3.57	567	7-71		42	879	-.03	27	49
74-12-0111	6971903	1308101	9-67	3	305	21,243	3.43	728	88	16,963	3.48	591	1-72		42	1,080	-.04	33	[illegible]
74-12-0111	6971904	1308101	10-67	3	300	21,526	3.67	789	46	17,840	3.49	623	2-72		42	1,022	.00	37	61
74-12-0111	7236232	1392858	1-69	1	305	22,910	3.25	744	73	16,270	3.50	570	7-71		36	711	.00	25	42
74-12-0111	7408316	1347940	2-69	1	305	19,350	3.62	700	94	17,030	3.49	594	9-71		36	711	.01	27	44
74-12-0111	7433169	1308101	6-69	1	305	18,730	3.44	644	89	16,700	3.50	584	8-71		36	783	-.03	24	43
74-12-0111	7433170	1308101	9-69	1	305	20,280	3.89	789	81	18,050	3.47	627	11-71		36	808	.02	32	51
74-12-0113	7203385	1308101	9-68	2	305	22,355	3.22	720	159	17,285	3.45	596	12-71		40	1,122	-.06	31	59
74-12-0124	6547397	1447744	6-64	4	305	23,238	3.32	772	67	16,165	3.46	559	9-71		30	1,102	-.04	33	[illegible]
74-12-0124	6661357	1406271	4-66	3	305	21,730	3.30	717	85	16,277	3.37	548	10-71		42	1,020	.01	38	62
74-12-0124	7167749	1388586	9-68	2	305	23,095	3.22	743	78	17,470	3.33	582	2-72		39	889	-.09	18	42
74-12-0124	7328962	1450228	11-68	2	292	22,705	3.05	692	67	17,795	3.31	589	1-72		39	1,087	-.08	27	55
74-12-0125	7463593	1506029	7-69	1	305	23,630	3.15	744	26	15,680	3.25	509	1-72		22	890	-.04	26	48
74-14-0122	6890917	1261857	5-67	3	305	19,333	3.39	656	44	14,727	3.22	474	11-71		42	925	.06	43	63
74-14-0122	6908064	1377954	4-67	3	305	20,243	3.11	629	38	14,537	3.23	470	9-71		42	999	-.03	32	57
74-15-0137	7213073	1403382	3-68	2	305	20,885	3.30	689	7	14,950	3.26	488	11-71		40	600	.06	30	43
74-15-0151	7249422	1315578	9-67	2	305	22,425	3.21	720	9	15,700	3.36	527	6-71		40	857	.05	38	57
74-15-0151	7261088	1182696	1-69	1	305	25,750	2.63	677	25	14,910	3.35	499	9-71		36	1,092	-.09	26	54
74-15-0189	6430181	1417208	8-65	3	305	19,787	3.35	662	14	15,367	3.47	534	1-71		42	893	-.01	30	52
74-15-0204	7357984	1493686	12-68	1	305	18,590	3.04	565	14	14,600	3.36	491	3-71		35	727	.00	26	43
74-16-0104	6444588	1212173	11-65	3	305	18,807	3.54	665	16	12,987	3.41	443	1-71		42	778	.03	32	[illegible]
74-16-0104	7151157	1261857	9-68	1	305	17,120	3.51	601	28	12,040	3.27	394	7-71		36	792	.07	39	56
74-16-0104	7151158	1261857	9-68	1	305	16,970	3.59	610	29	11,820	3.27	386	8-71		36	795	.07	40	57
74-16-0104	7286532	1261857	11-68	1	297	17,170	3.91	672	28	11,800	3.29	388	9-71		36	812	.10	45	62
74-16-0141	6914744	1308101	8-67	2	305	18,075	3.27	591	32	15,115	3.33	503	11-71		40	886	-.04	26	48
74-18-0128	6385837	1459917	9-65	4	305	18,273	3.44	628	40	14,615	3.35	490	8-71		35	670	.02	27	42
74-18-0128	7042654	1458744	12-67	2	305	18,835	3.04	572	44	14,325	3.39	486	2-72		40	907	-.06	24	47
74-18-0128	7099858	1458744	1-68	2	305	17,285	3.25	561	39	14,125	3.39	479	2-72		40	768	-.03	23	42
74-18-0128	7230139	1493686	5-68	2	295	17,735	3.43	608	53	14,875	3.39	505	12-71		40	695	.03	29	45
74-18-0128	7577197	1419376	10-69	1	305	19,070	3.60	687	54	13,910	3.49	486	11-71		35	586	.06	30	42
74-18-0143	5551225	1334843	9-61	7	271	20,613	3.03	625	25	14,897	3.38	503	11-71		36	948	-.09	21	46
74-18-0181	7554332	1478014	3-69	1	305	17,890	5.38	963	10	15,030	3.99	599	12-71		35	494	.16	42	49
74-25-0108	6201194	1432062	11-64	5	301	20,774	3.59	745	22	15,706	3.64	572	9-71		35	842	-.02	28	48

TABLE 9. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C D	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
74-25-0108	6274781	1449836	2-65	4	305	20,468	4.08	835	33	16,990	3.67	623	5-71		30	568	.09	34	$ 45
74-25-0108	6906990	1352953	9-67	2	305	24,465	3.45	845	37	16,970	3.68	625	6-71		40	771	-.03	24	43
74-25-0108	7275742	1308101	2-69	1	305	21,210	3.57	757	25	18,400	3.65	671	8-71		36	854	-.03	26	47
74-25-0108	7275743	1308101	3-69	1	305	21,330	3.45	736	25	18,400	3.65	671	8-71		36	863	-.04	25	47
74-25-0186	7238229	1483723	11-68	2	305	21,280	3.36	714	20	15,790	3.40	537	1-72		34	929	-.01	32	54
74-25-0192	7007617	1323059	1-68	3	305	23,333	3.56	830	18	17,176	3.64	626	12-71		42	937	-.06	24	48
74-25-0192	7630141	1427381	3-70	1	305	21,040	3.57	751	25	17,360	3.70	643	11-71		36	1,064	.03	43	67
74-25-0204	6709340	1399951	2-65	5	305	18,368	4.05	743	9	14,156	3.60	510	3-72		36	657	.08	36	49
74-25-0204	6827025	1399951	8-66	4	300	19,095	3.70	706	17	13,545	3.71	502	10-71		35	815	.01	31	50
74-25-0204	6944180	1399951	9-66	2	305	21,005	3.64	765	7	15,060	3.63	546	1-72		30	745	.01	28	46
74-25-0204	7495641	1399951	2-68	2	305	19,740	3.70	731	10	12,730	3.64	464	7-71		30	842	.02	33	53
74-31-0126	7068750	1491845	11-67	3	304	22,876	3.09	707	84	16,163	3.35	542	11-71		33	914	-.08	21	45
74-31-0126	7625101	1458744	12-69	1	293	21,430	3.27	701	78	17,350	3.29	570	1-72		36	805	-.02	26	46
74-31-0135	6431504	1435303	7-65	4	302	22,055	3.11	687	30	15,860	3.47	550	6-71		30	964	-.08	22	47
74-31-0135	6813680	1261857	11-66	3	305	24,920	3.68	917	34	17,023	3.47	590	7-71		42	1,330	.08	61	90
74-31-0135	7034232	1308101	1-68	2	305	19,570	3.66	716	34	17,245	3.39	585	3-72		40	843	.00	31	51
74-31-0135	7249731	1282185	1-69	1	305	28,400	2.87	814	42	16,960	3.37	571	6-71		36	916	-.09	19	43
74-31-0135	7293321	1308101	10-68	2	305	20,840	3.24	675	41	17,010	3.45	586	11-71		40	994	-.06	27	52
74-31-0141	6867131	1261857	7-67	3	305	18,547	3.75	696	48	16,627	3.37	560	12-71		42	638	.10	38	50
74-31-0141	6988017	1458744	9-67	3	177	19,666	3.19	627	25	17,306	3.20	554	4-72	8	42	740	-.02	24	42
74-31-0141	6988018	1308101	10-67	3	302	20,090	3.37	677	41	17,730	3.37	598	1-72		42	868	-.03	27	48
74-31-0141	7142592	1458744	8-68	1	305	19,430	3.73	725	56	16,480	3.39	559	9-70		36	714	.02	29	45
74-31-0141	7204620	1261857	2-68	2	305	21,780	3.31	721	32	17,245	3.31	571	6-71		40	894	.04	39	59
74-31-0141	7204723	1261857	7-67	2	305	18,710	3.61	675	49	16,950	3.36	569	11-71		40	609	.08	34	46
74-31-0141	7235750	1469162	12-68	2	305	23,560	3.26	768	47	18,950	3.28	622	2-72		32	754	-.01	26	44
74-31-0141	7333178	1261857	7-68	2	305	19,775	3.64	720	31	17,230	3.34	575	7-71		40	692	.09	38	52
74-31-0141	7359702	1432733	7-69	1	305	22,740	3.10	705	41	16,470	3.27	538	7-71		35	784	-.03	23	43
74-31-0141	7481772	1447414	12-69	1	305	20,450	3.38	692	46	18,150	3.31	601	1-72		35	812	-.03	25	45
74-31-0141	7546662	1432733	8-69	1	305	27,390	2.95	807	41	16,470	3.27	538	7-71		35	1,135	-.06	31	60
74-31-0141	7570105	1447414	11-69	1	305	19,400	3.27	634	59	17,130	3.24	555	10-71		35	802	-.03	24	44
74-31-0150	7593457	1399283	11-69	1	305	25,790	3.01	775	15	16,650	3.19	531	12-71		36	966	-.08	23	46
74-31-0151	6544439	1182696	12-65	3	295	19,633	3.09	607	8	14,913	3.28	489	8-71		42	804	-.03	25	45
74-31-0151	7089394	1308101	1-68	2	305	21,685	2.95	640	9	16,805	3.29	553	7-71		40	1,098	-.09	26	55
74-31-0151	7679562	1427381	5-70	1	305	19,920	3.65	728	7	17,230	3.34	576	4-72		36	989	.07	46	68
74-32-0145	5457373	1375143	8-61	8	273	21,150	2.99	633	11	14,621	3.11	455	9-71	8	36	967	-.06	25	50
74-33-0143	7181684	1469809	8-68	2	305	19,845	2.73	541	16	12,445	3.05	379	6-71		29	1,015	-.11	20	47
74-33-0174	6971905	1308101	11-67	3	292	19,886	3.33	662	15	17,700	3.10	548	2-72		42	848	.00	30	5[illegible]
74-33-0174	7004155	1329588	1-68	2	305	23,670	2.90	687	19	17,090	3.12	533	10-71		40	903	-.08	21	45
74-35-0191	5592653	1352979	6-62	2	305	24,840	3.62	900	31	17,625	3.53	623	2-71		40	1,059	-.05	31	58
74-35-0191	6573241	1498643	6-66	3	301	22,867	4.01	916	33	16,860	3.46	584	5-71		33	1,158	.07	53	79
74-35-0191	6797441	1427517	10-66	2	202	27,325	3.01	822	25	17,555	3.45	606	2-72	B	30	1,291	-.12	28	62
74-35-0202	6573140	010293446	5-66	3	305	23,023	3.39	781	8	15,313	3.52	539	11-71		29	1,112	-.03	35	62
74-36-0003	6412084	1244009	7-65	5	302	19,384	3.25	630	35	15,794	3.52	556	9-71		44	872	-.08	19	42
74-36-0003	6688125	1261857	7-66	4	305	20,688	3.76	777	28	16,660	3.56	593	1-72		44	908	.08	45	64
74-36-0003	6930923	1261857	7-67	3	305	21,053	3.34	703	31	15,543	3.53	548	1-72		42	1,038	.02	41	65
74-36-0003	7396420	1308101	8-69	1	305	19,160	3.40	651	30	16,560	3.43	568	7-71		36	825	-.03	25	45
74-36-0003	7396421	1308101	8-69	1	298	20,080	4.13	829	32	16,640	3.46	575	8-71		36	888	.04	38	58
74-36-0003	7550581	1308101	12-69	1	305	22,520	3.36	756	11	17,140	3.52	603	3-72		36	1,036	-.04	31	57
74-36-0022	6184485	1308101	11-64	5	304	17,474	3.23	565	127	13,800	3.40	469	10-71		44	1,005	-.05	28	53
74-36-0022	6289727	1366229	3-65	4	300	18,477	3.45	637	123	13,822	3.45	477	8-71		44	623	.04	29	43
74-36-0022	6290077	1308101	11-64	4	293	17,177	3.63	623	124	13,807	3.35	463	2-71	A	44	954	.00	35	58
74-36-0022	6588409	1308101	5-66	3	305	18,783	3.45	648	89	14,476	3.54	512	6-71		42	1,055	-.04	32	58
74-36-0022	6588410	1308101	6-66	3	304	18,520	3.39	627	108	14,380	3.50	503	7-71		42	1,034	-.04	31	57
74-36-0022	6643052	1308101	7-66	2	301	16,285	3.50	570	123	14,340	3.49	500	11-70		40	775	-.03	24	43
74-36-0022	6643053	1308101	8-66	3	305	18,260	3.33	608	131	15,686	3.47	545	2-72		42	869	-.05	24	46
74-36-0022	6708032	1308101	7-66	3	305	19,056	3.51	668	127	14,633	3.53	517	11-71		42	1,070	-.03	34	60
74-36-0022	6708038	1222994	10-66	3	266	19,030	3.37	641	147	14,847	3.51	521	10-71	A	42	751	-.02	24	42
74-36-0022	6748021	1308101	11-66	4	293	18,050	3.62	653	141	14,892	3.53	526	12-71		44	941	-.01	32	55
74-36-0022	6785852	1308101	7-66	3	305	18,403	3.28	603	104	14,306	3.50	501	7-71		42	1,028	-.06	28	54
74-36-0022	6793921	1308101	2-67	2	305	17,890	3.37	603	155	15,135	3.59	544	10-71		40	865	-.05	24	46
74-36-0022	7046499	1308101	2-68	2	286	18,295	3.78	691	134	15,425	3.55	547	11-71		40	880	.00	32	53
74-36-0022	7217169	1222994	7-68	2	299	20,885	3.59	750	176	16,040	3.45	554	11-71		40	782	.02	31	49
74-36-0022	7217171	1182696	7-68	1	305	24,910	2.93	730	142	16,810	3.35	563	3-71		36	902	-.04	26	49
74-36-0022	7306967	1458744	12-68	1	305	20,960	4.07	854	176	15,030	3.53	530	8-71		36	925	.05	41	62
74-36-0022	7363176	1308101	1-69	1	305	19,640	3.62	710	107	15,150	3.44	521	6-71		36	955	-.01	33	56
74-36-0022	7363177	1308101	4-69	1	301	19,740	3.34	660	191	16,190	3.55	574	12-71		36	893	-.04	26	48
74-36-0022	7401514	1496121	12-68	1	305	22,310	3.46	771	130	16,600	3.36	557	3-71		23	797	.00	28	47
74-36-0022	7401522	1308101	5-69	1	305	17,760	3.31	587	107	15,150	3.44	521	6-71		36	815	-.04	24	44
74-36-0022	7401524	1308101	5-69	1	298	20,340	3.60	732	126	14,760	3.48	513	7-71		36	1,033	-.01	35	60
74-36-0022	7401529	1308101	7-69	1	274	19,140	3.68	705	191	16,190	3.55	574	12-71		36	848	-.01	29	49
74-36-0022	7401530	1308101	7-69	1	283	17,910	3.50	626	161	14,870	3.54	526	8-71		36	845	-.03	26	47
74-36-0022	7422600	1308101	9-69	1	305	21,470	3.33	714	194	15,740	3.56	560	11-71		36	1,052	-.04	31	57
74-36-0022	7422602	1417208	7-69	1	305	22,850	2.98	682	204	16,240	3.55	576	12-71		36	917	-.05	25	48
74-36-0022	7454535	1417208	9-69	1	293	18,690	4.09	764	215	15,660	3.54	554	10-71		36	646	.06	32	46
74-36-0022	7454543	1330987	10-69	1	305	23,850	3.81	908	108	16,690	3.49	582	3-72		36	868	.07	42	61
74-36-0022	7534948	1417208	11-69	1	305	21,170	3.60	762	204	16,240	3.55	576	12-71		36	792	.02	31	49
74-36-0022	7534954	1417208	12-69	1	305	19,240	3.82	735	106	16,760	3.48	584	3-72		36	613	.04	28	42
74-36-0022	7534960	1496121	9-69	1	284	21,120	3.71	783	89	16,270	3.53	574	3-72		23	716	.01	27	44
74-36-0022	7534964	1496121	10-69	1	305	21,680	3.75	814	181	15,880	3.56	566	12-71		23	798	.01	31	50
74-36-0022	7534974	1496121	11-69	1	305	22,160	3.47	769	89	16,270	3.53	574	3-72		23	810	-.02	26	46
74-36-0025	6880543	1308101	8-67	2	305	21,195	3.51	743	28	17,025	3.40	579	9-71		40	1,028	-.01	35	60
74-36-0027	6694825	1244009	1-65	4	305	18,120	3.30	598	34	13,873	3.55	493	6-71		44	914	-.07	22	46
74-36-0027	7091614	1261857	7-66	3	300	17,923	3.66	656	25	15,113	3.51	530	12-71		42	723	.07	37	52
74-36-0027	7151371	1261857	4-67	2	305	16,780	3.55	596	28	14,250	3.57	509	9-71		40	660	.05	32	46
74-36-0027	7360703	1261857	8-67	2	305	16,485	3.82	629	26	14,350	3.56	511	10-71		40	621	.08	35	48

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C D	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
74-36-0030	4644616	1262620	4-58	8	303	18,724	3.88	727	78	15,089	3.43	517	8-71		32	587	.09	34	$ 46
74-36-0030	5292914	1215610	11-60	6	305	21,537	3.51	756	78	15,095	3.44	520	6-71		36	1,040	.02	40	64
74-36-0030	6124158	1403342	8-64	6	293	19,888	3.02	601	40	15,008	3.47	521	9-71		36	1,062	-.12	20	49
74-36-0030	7119938	1387978	9-68	2	305	21,020	3.33	701	99	15,925	3.27	521	1-72		40	936	-.01	32	55
74-36-0030	7178240	1392858	10-68	1	305	24,790	3.28	812	114	16,140	3.25	524	11-70		36	860	.01	33	53
74-36-0030	7236223	1510616	9-68	1	305	21,980	3.07	674	115	16,190	3.25	526	11-70		25	800	-.05	22	42
74-36-0030	7630834	1392858	10-69	1	305	21,130	3.54	747	48	15,700	3.36	527	3-72		36	617	.04	28	42
74-36-0030	7712952	1308101	12-69	1	305	19,720	3.42	674	84	15,670	3.30	517	1-72		36	926	-.02	31	53
74-36-0032	4896494	1276918	10-58	8	305	17,756	3.18	564	20	11,456	3.43	393	11-71		35	952	-.07	24	49
74-39-0007	7484641	1427381	9-69	1	305	16,710	3.38	564	14	14,860	3.21	477	8-71		36	909	.05	40	60
74-39-0014	7065722	1352979	2-68	2	305	19,615	3.18	624	12	11,270	3.50	394	9-71		40	1,109	-.10	24	53
74-74-0012	7449999	1308101	10-69	1	292	16,460	3.55	584	28	14,040	3.65	513	11-71		36	792	-.03	24	44
74-74-0012	7450000	1308101	10-69	1	305	20,710	3.43	710	11	15,550	3.56	554	3-72		36	1,008	-.03	31	56
74-74-0018	6906196	1360517	10-67	2	305	18,680	3.52	657	34	14,610	3.40	497	8-71		30	739	.01	28	45
74-74-0018	6950760	1360517	9-67	1	305	20,570	3.78	778	8	17,010	3.46	588	2-72		25	616	.04	28	42
74-74-0018	7141298	1387978	8-68	2	277	18,920	3.47	657	38	14,575	3.43	500	8-71	H	40	847	-.01	29	49
74-74-0018	7201547	1387978	10-68	1	305	22,600	3.36	760	14	15,400	3.50	539	1-71		36	973	-.03	31	55
74-74-0018	7227267	1387978	12-68	1	305	20,500	3.58	733	21	16,090	3.39	546	5-71		36	770	.00	28	46
74-74-0018	7432476	1360517	10-69	1	305	22,360	3.35	749	5	16,100	3.54	570	4-72		25	845	-.02	27	48
81-07-0851	7348024	1417208	9-68	2	295	21,325	3.05	650	12	15,880	3.24	515	4-72		40	954	-.04	29	53
81-16-0031	7470337	1427381	10-68	2	305	24,615	3.03	746	34	15,700	3.27	513	3-72		40	1,639	-.03	55	95
81-16-0031	7470339	1427381	1-69	1	305	19,360	3.84	743	40	15,200	3.30	502	8-71		36	1,083	.08	52	75
81-16-0031	7470340	1427381	4-69	1	294	18,910	3.12	590	39	15,100	3.28	495	6-71		36	1,056	.02	41	66
81-16-0031	7470341	1427381	7-69	1	305	20,250	3.02	612	41	15,640	3.24	506	4-71		36	1,120	.01	42	68
81-16-0031	7825844	1427381	7-69	1	305	24,780	2.63	651	37	15,990	3.29	526	11-71		36	1,434	-.06	43	79
81-16-0031	7870695	1427381	10-69	1	305	22,050	3.39	748	36	15,860	3.26	517	2-72		36	1,239	.04	51	79
81-16-0184	5701075	1337741	12-62	7	302	18,416	3.33	613	30	14,334	3.61	517	9-71		44	782	-.04	22	42
81-16-0185	6541830	1450828	1-66	4	305	20,750	3.62	751	32	14,883	3.59	534	10-71		30	899	.01	34	56
81-16-0185	7091366	1385225	7-68	2	305	20,755	3.61	749	18	16,315	3.76	613	4-72		40	856	-.01	29	[illegible]
81-16-0801	6408093	1330987	10-65	4	289	19,185	3.98	763	16	16,868	3.74	631	4-71		44	599	.08	33	45
81-16-9039	4968702	1306660	12-59	7	305	21,750	3.13	681	14	15,143	3.28	497	3-71		37	1,264	-.09	32	65
81-16-9039	7240077	1471445	7-68	2	305	20,120	3.34	672	53	14,455	3.83	554	10-71		40	803	-.03	25	45
81-16-9039	7334571	1427381	1-69	1	305	16,480	4.22	696	53	14,430	3.86	557	9-71		36	920	.07	44	63
81-16-9039	7390896	1427381	2-69	1	305	16,560	4.47	740	47	14,500	3.79	550	8-71		36	922	.10	48	67
81-16-9039	7503478	1427381	7-69	1	305	18,750	3.65	685	9	15,320	3.77	578	3-72		36	1,030	.03	42	56
81-16-9113	7115137	1330987	4-68	2	305	20,050	3.70	742	30	16,735	3.40	569	8-71		40	559	.07	34	47
81-16-9113	7235261	1330987	7-68	2	304	21,555	3.51	757	39	16,945	3.40	576	10-71		40	793	.04	35	53
81-16-9113	7235262	1330987	7-68	2	294	20,750	3.42	709	33	16,850	3.41	575	11-71		40	720	.03	30	46
81-16-9113	7235265	1330987	2-69	1	305	19,300	4.20	810	35	17,650	3.36	593	8-71		36	465	.12	34	42
81-16-9512	6048491	1199324	5-63	6	305	18,278	3.20	584	19	15,375	3.41	525	3-71		44	817	-.06	21	42
81-16-9513	4989958	1269952	11-59	5	305	19,828	3.56	705	19	15,368	3.48	535	1-71		32	723	.01	28	45
81-16-9513	6314564	1182696	3-65	4	305	18,168	3.99	724	17	16,150	3.49	563	3-72		44	520	.09	32	42
81-16-9513	6884912	1458744	9-67	2	305	17,610	3.89	685	20	15,445	3.65	563	7-71		40	580	.02	28	44
81-24-0032	6024943	1385225	10-63	2	259	20,320	3.26	662	23	16,075	3.65	587	3-71		40	833	-.05	22	43
81-24-0032	6584035	1420230	3-66	3	305	20,260	3.19	646	13	14,027	3.66	513	1-71		29	883	-.08	19	42
81-41-0473	6104210	1416897	4-64	3	305	20,506	3.24	664	8	15,546	3.47	540	11-71		42	907	-.06	24	47
81-41-7576	7535003	1427381	10-69	1	305	18,690	3.11	582	6	12,430	3.57	444	11-71		36	1,219	.00	44	73
82-11-0218	7018876	1520633	11-67	3	305	22,950	3.18	729	26	16,950	3.51	595	2-72		32	1,012	-.08	24	51
82-11-0218	7472756	1520633	10-68	2	305	22,420	3.31	741	27	16,795	3.60	604	1-72		29	875	-.06	23	45
82-11-0218	7508603	1386406	6-68	2	305	22,590	3.61	815	24	18,505	3.45	638	4-72		40	700	.04	31	47
82-11-0218	7508606	1386406	9-68	2	305	21,535	3.81	821	24	18,505	3.45	638	4-72		40	593	.06	31	43
82-11-0218	7601622	1386406	1-69	2	305	21,580	3.46	746	36	17,300	3.58	620	1-72		40	707	.00	25	42
82-11-0244	6349584	1179372	12-64	5	299	20,292	3.58	727	8	15,810	3.74	591	8-71		44	785	-.01	27	46
82-12-0119	6024223	1271075	11-63	5	305	20,388	3.44	701	21	17,234	3.76	648	10-71		44	837	-.05	22	43
82-12-0119	7433797	1306247	8-69	1	305	20,460	3.69	754	21	16,510	3.73	615	12-71		35	750	-.02	24	42
82-12-0119	7550669	1427381	5-69	1	305	20,070	3.58	719	31	16,270	3.66	596	6-71		36	1,064	.04	44	65
82-12-0144	4887281	1217920	3-59	9	305	20,937	3.73	781	44	16,054	3.59	577	4-71		36	807	.05	36	54
82-12-0144	6311708	1297472	5-65	4	302	20,780	3.88	806	70	16,723	3.71	621	2-71		43	590	.06	31	43
82-12-5138	6562294	1268297	2-66	4	303	19,463	3.94	767	30	17,528	3.49	612	7-71		43	466	.12	35	43
82-12-5138	7350655	1473442	7-68	2	291	21,865	3.39	742	30	17,230	3.59	618	11-71		39	864	-.07	21	44
82-12-5140	6983409	1437633	7-67	3	296	20,053	3.57	715	32	16,643	3.56	593	12-71		40	882	-.04	26	44
82-12-5140	7144265	010288790	4-68	2	305	17,765	4.13	733	31	15,900	3.65	580	5-71		38	467	.12	35	43
82-12-5140	7144270	010288790	8-68	2	303	18,690	3.81	712	35	15,275	3.75	573	8-71		38	624	.06	34	47
82-12-5140	7395242	010288790	2-69	1	305	21,320	3.55	757	33	17,110	3.55	608	1-71		33	521	.06	32	45
82-12-5140	7480449	1521958	10-69	1	305	21,720	3.46	752	27	15,340	3.64	558	11-71		24	796	.00	29	48
82-12-5140	7480450	1521958	10-69	1	305	22,080	3.25	717	27	16,400	3.43	562	1-72		24	743	-.01	25	43
82-12-9122	6402597	1436990	8-65	4	305	18,097	3.86	698	18	14,287	3.77	538	10-71		34	670	.02	27	42
82-12-9122	6887603	1493686	7-67	2	305	19,030	3.72	708	27	15,415	3.70	571	7-71		40	777	.03	33	51
82-12-9122	7452043	1458744	6-69	1	305	21,060	3.27	688	20	16,670	3.44	573	2-72		36	823	-.03	25	[illegible]
82-14-0111	6127240	1329588	7-64	5	305	21,958	3.49	766	26	15,926	3.59	572	11-71		44	991	-.03	31	55
82-14-0208	6055570	1271075	7-63	5	299	18,448	3.57	659	5	14,844	3.54	526	3-71		44	864	.00	31	52
82-14-0225	6192750	1407408	11-64	5	305	22,296	3.36	749	15	17,348	3.48	604	6-71		36	878	-.04	26	49
82-14-0225	6192751	1407408	11-64	6	305	22,358	3.41	762	17	17,580	3.50	615	3-72		36	857	-.03	27	[illegible]
82-14-0225	6537895	1330987	5-66	4	305	18,968	3.55	674	26	16,143	3.54	572	12-71		44	652	.03	28	45
82-14-0264	6283779	1242221	3-65	5	280	18,460	3.66	676	15	16,170	3.69	597	1-72		43	911	-.01	32	54
82-14-5153	5889835	1192713	1-63	3	305	20,593	3.35	690	27	15,043	3.60	541	12-71		42	863	-.04	25	47
82-15-0269	6555854	1331709	1-66	4	305	20,888	3.85	804	8	17,013	3.76	639	3-71		44	731	.00	26	43
82-15-0269	7195403	1183964	8-68	2	305	27,675	3.17	876	15	19,100	3.66	700	1-72		40	1,049	-.13	17	45
82-15-0269	7476025	1410733	7-69	1	304	23,490	3.75	882	15	17,750	3.78	671	7-71		35	699	.00	25	42
82-17-5278	6967511	1417208	9-67	3	305	18,910	3.46	654	11	14,130	3.86	546	2-72		42	920	-.03	23	51
82-17-5278	7132114	1417208	7-68	2	273	17,835	3.86	689	7	14,670	3.74	548	12-71		40	710	.03	30	45
82-19-0193	7030692	1261857	4-67	2	305	19,860	3.33	662	10	15,315	3.51	538	11-71		40	875	.03	36	50
82-19-0193	7030693	1261857	7-67	3	303	19,507	3.32	648	12	15,913	3.46	550	3-72		42	822	.03	34	53
82-19-0193	7030694	1261857	8-67	3	302	16,850	3.44	580	11	15,197	3.47	527	3-72		42	591	.05	29	42
82-22-0057	5202339	1038509	12-59	6	305	17,758	3.68	653	6	13,423	3.66	491	6-71		44	759	-.02	24	43

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C D	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
82-29-0143	6872895	1458744	4-67	3	305	20,900	3.30	690	17	17,166	3.31	569	3-72		42	896	-.02	29	$ 51
82-29-0174	6161324	1423234	7-64	5	304	18,242	3.99	727	24	14,312	3.72	532	2-72		32	622	.06	31	44
82-32-0125	6889944	1373055	11-65	4	302	21,210	3.40	722	9	14,262	3.59	512	3-72		44	1,017	-.06	27	53
82-32-C155	7505633	1506184	4-69	1	305	21,140	3.69	781	23	15,280	3.63	554	1-72		23	726	.00	26	43
82-32-C155	7623701	1506184	6-69	1	304	21,380	3.57	764	23	15,280	3.63	554	1-72		23	747	-.01	25	43
82-32-0157	7103793	1330987	5-67	3	301	16,837	3.81	642	12	14,180	3.64	516	1-72		42	592	.06	30	43
82-32-C175	7860102	1533988	7-69	1	305	24,230	4.27	1035	12	14,970	3.82	572	12-71		19	885	.09	45	64
82-32-9154	6346457	1432759	7-64	5	305	19,812	3.75	743	9	14,998	3.61	542	5-71		36	850	.04	37	56
82-32-9154	6992794	1432759	9-67	3	305	18,967	3.56	675	10	14,383	3.63	522	11-71		33	741	.00	27	45
82-32-9154	7161149	1517533	1-68	1	305	22,910	3.73	854	14	15,700	3.78	594	4-71		19	698	.01	26	42
82-32-9154	7224969	1085978	12-68	1	305	20,440	3.59	733	14	15,860	3.80	602	4-71		36	815	-.04	24	44
82-35-C261	6487763	1322863	1-66	5	304	19,382	3.27	633	16	14,658	3.47	508	2-72		42	869	-.05	24	46
82-36-0140	7348057	1466190	3-68	2	305	20,495	3.26	669	22	13,010	3.44	447	10-71		32	1,091	-.08	27	55
82-36-5140	7134405	1493686	8-68	1	65	18,420	3.40	626	21	13,350	3.42	457	7-71	B	35	799	.03	33	51
82-36-5261	7067400	1493686	1-68	2	299	19,545	3.63	709	5	16,240	3.60	585	6-71		40	754	.03	32	49
82-36-5261	7446144	1493686	8-69	1	305	18,920	3.44	651	7	15,520	3.56	553	9-71		35	689	.02	28	44
82-39-0118	7373137	1459098	4-69	1	305	16,540	3.41	564	12	12,470	3.38	421	5-71		34	1,097	-.04	34	61
82-39-C119	6700720	1360676	12-66	4	299	16,378	3.93	644	15	14,533	3.80	552	3-72		42	629	.04	28	42
82-39-C132	6917513	1271075	10-67	3	304	19,123	3.52	674	25	14,173	3.47	492	3-72		42	978	.00	35	58
82-39-5120	6105833	1223243	2-64	6	299	19,638	3.62	711	12	14,082	3.64	512	12-71		44	965	-.01	34	57
82-39-5120	6534816	1223243	3-65	5	295	17,862	3.71	663	11	14,104	3.61	509	3-72		44	731	.01	28	45
82-39-5165	5714531	1199324	4-62	8	304	17,521	3.68	644	15	15,466	3.59	556	5-71		44	709	.00	26	43
82-39-5165	5943879	1282185	7-63	6	305	22,058	3.65	806	21	15,663	3.51	550	9-71		44	861	.01	34	55
82-39-5165	6168140	1330987	7-64	6	304	19,797	3.90	773	33	15,600	3.53	550	11-71		44	835	.09	44	61
82-40-C164	6027945	1199324	6-63	7	300	20,654	3.39	700	11	15,366	3.59	551	3-72		44	1,125	-.05	33	61
82-40-C164	6316685	1199324	4-65	2	288	18,650	3.59	669	17	16,360	3.50	573	1-72	H	40	715	.03	26	43
82-40-C164	7543762	1427381	7-69	1	305	20,730	3.42	710	17	15,740	3.44	541	1-72		36	1,149	.04	47	75
82-40-C164	7540765	1330987	11-69	1	305	22,040	3.13	689	19	15,750	3.47	546	1-72		36	796	.00	28	47
82-40-C243	7639195	1517422	10-69	1	305	21,170	3.46	732	14	14,680	3.39	498	11-71		24	841	-.02	27	[illegible]
82-40-C273	7165284	1440531	6-68	2	305	24,585	3.40	836	14	14,525	3.49	507	12-71		32	1,237	-.04	38	69
82-40-C285	7101316	1330987	5-68	2	305	21,635	3.01	651	6	16,425	3.07	504	5-71		40	848	.00	31	51
82-41-0019	6751528	1261857	4-66	3	305	17,010	4.06	691	19	12,930	3.86	499	6-71		42	844	.09	44	62
82-41-0019	6783168	1261857	5-66	3	305	15,700	3.90	613	13	13,443	3.84	516	8-71		42	640	.07	34	47
82-41-C019	6865673	1261857	5-67	3	305	17,073	3.91	667	24	13,213	3.94	520	12-71		42	822	.06	39	57
82-41-0021	6685834	1437633	6-66	4	289	18,785	3.29	618	51	13,360	3.68	491	11-71		41	1,118	-.09	26	[illegible]
82-49-C146	6775920	1475283	1-67	3	305	25,400	3.31	841	15	16,113	3.63	585	4-72		29	1,348	-.07	38	72
82-49-0146	7918192	1427381	10-69	1	305	21,800	3.59	782	44	16,470	3.82	629	1-72		36	1,180	.02	46	73
82-49-5160	7508342	1427381	5-69	1	305	16,870	4.21	710	12	15,050	3.55	534	3-72		35	408	.39	47	[illegible]
82-49-5160	7508343	1427381	5-69	1	305	17,980	3.54	637	17	14,930	3.52	526	2-72		35	998	.04	42	65
82-49-5160	7508344	1427381	9-69	1	305	17,500	3.68	644	22	14,730	3.58	527	11-71		36	476	.05	43	[illegible]
82-49-5207	6667418	1261857	7-66	3	305	18,860	3.38	637	11	16,430	3.58	589	4-71		42	694	.03	29	45
82-52-C119	6688945	1261857	12-66	4	299	17,473	3.78	660	34	15,658	3.55	556	10-71		44	622	.08	35	[illegible]
82-52-0119	7052461	1261857	1-68	2	305	19,265	3.38	651	27	16,405	3.46	567	1-71		40	715	.04	32	43
82-52-C119	7102794	1303502	6-68	2	305	22,715	3.43	778	35	16,255	3.46	562	1-72		40	764	.00	27	[illegible]
82-52-C139	7578401	1427381	11-69	1	305	17,140	4.24	726	29	14,950	3.72	556	2-72		36	935	.39	47	67
82-52-0139	7578402	1427381	12-69	1	305	16,590	3.95	655	34	14,610	3.74	546	1-72		36	416	.06	42	[illegible]
82-52-C139	7578404	1427381	1-70	1	305	18,360	3.74	687	29	14,950	3.72	556	2-72		36	1,[illegible]25	.05	44	57
82-52-C139	7578405	1427381	2-70	1	305	16,600	4.10	680	29	14,950	3.72	556	2-72		36	994	.07	43	[illegible]
82-52-C173	6346975	1271075	11-64	5	302	20,430	3.23	660	10	15,590	3.53	551	4-71		44	1,136	-.06	28	54
82-52-C203	7518297	1385225	9-69	1	276	18,880	3.33	628	20	14,510	3.36	487	1-72	H	35	739	-.01	25	[illegible]
82-66-5037	7434212	1447414	11-69	1	305	20,050	3.55	711	7	18,290	3.48	636	2-72		35	772	-.03	24	[illegible]
82-71-0001	5579047	1189870	10-61	4	305	16,880	4.34	733	19	14,178	3.46	490	4-71		44	531	.13	38	47
82-71-0001	7835588	1406271	6-69	1	291	19,330	3.29	636	10	15,350	3.07	472	9-71		36	712	.04	32	[illegible]
83-15-9100	7165368	1308101	9-68	2	292	19,760	3.05	602	28	14,000	3.25	455	8-71		40	1,159	-.06	32	[illegible]
83-15-9100	7165369	1308101	9-68	2	298	21,780	2.53	550	26	13,880	3.26	453	8-71		40	1,375	-.15	25	[illegible]
83-15-9100	7166371	1392858	9-68	2	305	19,935	3.18	633	19	15,130	3.15	477	3-72		40	686	.02	27	[illegible]
83-15-9100	7328966	1392858	5-69	1	305	22,240	3.28	730	18	16,000	3.16	506	6-71		36	680	.02	28	44
83-15-9100	7323972	1308101	12-68	1	305	17,740	3.29	583	17	15,810	3.24	512	6-71		36	769	-.02	24	[illegible]
83-15-9100	7323977	1386859	4-69	1	305	22,760	2.77	631	16	15,080	3.31	499	5-71		35	827	-.05	22	[illegible]
83-15-9100	7620851	1308101	9-68	1	305	18,180	3.44	626	24	13,020	3.19	415	8-70		36	969	-.01	34	[illegible]
84-02-0006	6376705	1450765	6-65	3	305	18,640	3.19	595	105	13,076	3.50	458	3-71		32	906	-.07	22	[illegible]
84-02-0006	6722620	1450765	5-66	3	305	17,080	3.59	613	119	12,970	3.51	455	6-71		32	708	.00	25	[illegible]
84-02-0010	6044553	1395679	1-64	1	305	21,350	3.30	704	59	12,320	3.43	422	12-71		23	799	-.03	25	[illegible]
84-02-0010	7621187	1505223	1-70	1	305	19,750	3.17	627	54	12,520	3.31	415	3-72		24	798	-.04	23	[illegible]
84-03-0053	6321335	1222994	6-65	3	305	20,483	3.69	756	23	14,290	3.62	518	3-71		42	975	.02	38	61
84-03-0053	6323258	1222994	6-65	4	305	18,738	3.55	665	27	14,783	3.61	533	2-71		44	752	.00	27	[illegible]
84-03-0053	6594715	1261857	8-66	3	301	18,467	3.73	688	35	15,260	3.62	552	7-71		42	770	.07	34	[illegible]
84-03-0053	7277905	1427381	1-69	1	305	17,430	3.92	683	31	15,080	3.73	562	3-71		36	947	.05	43	[illegible]
84-03-C203	6658806	1222994	11-66	3	301	20,710	3.31	686	19	15,317	3.65	559	11-71		42	395	-.05	25	[illegible]
84-03-0347	6927535	1315578	10-67	2	305	20,675	3.94	815	39	18,025	3.60	649	4-71		40	467	.14	37	[illegible]
84-03-C347	7520131	1308101	8-69	1	305	22,530	3.79	854	39	19,340	3.74	724	2-72		36	889	-.01	3[illegible]	[illegible]
84-03-0358	7109713	1387978	1-68	2	305	20,930	3.68	770	31	14,620	3.54	517	3-72		40	1,047	.01	39	[illegible]
84-03-C358	7355214	1308101	1-69	1	305	15,470	4.15	642	43	13,950	3.73	520	8-71		36	725	.01	23	[illegible]
84-03-C509	6306452	1237057	12-64	3	297	20,290	3.56	722	16	15,950	3.61	576	2-72		42	786	-.04	22	[illegible]
84-03-C509	8152661	1473442	7-70	1	294	21,060	3.57	752	16	15,240	3.68	561	4-72		35	851	-.05	23	[illegible]
84-03-C514	6629285	1386406	11-64	5	303	19,558	3.98	778	9	16,436	3.65	600	2-72		44	555	.07	34	[illegible]
84-03-C805	7092658	1261857	8-66	3	305	21,683	3.43	744	7	16,973	3.38	574	2-71		42	963	.05	42	[illegible]
84-C3-9100	6847024	1493686	8-67	3	261	18,740	3.44	645	12	16,366	3.52	576	1-72		42	685	.02	27	[illegible]
84-03-9100	6866230	1475201	4-67	1	305	23,820	3.19	761	18	17,790	3.56	633	10-71		27	913	-.07	22	[illegible]
84-03-9142	5289970	1121706	9-60	5	305	20,500	4.00	821	20	16,022	3.93	629	11-71		44	469	.13	37	[illegible]
84-03-9142	5467981	1189870	10-61	2	305	21,480	3.78	813	17	15,685	3.78	593	7-71		40	813	.02	32	[illegible]
84-03-9142	6769804	1249430	11-66	2	305	22,265	3.71	827	17	15,680	4.01	629	4-71		40	768	.00	27	[illegible]
84-C3-9144	5822348	1276654	2-63	3	305	18,690	4.43	828	21	14,467	3.80	550	9-71		42	614	.10	37	[illegible]
84-03-9144	6096650	1392106	3-64	5	305	25,250	3.31	835	24	15,772	3.68	580	11-71		43	1,317	-.09	34	[illegible]
84-C3-9144	6662855	1179372	3-66	3	305	19,010	3.77	716	23	15,120	3.68	557	2-71		42	651	.03	28	[illegible]

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C O	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
84-03-9144	7218957	1397209	10-68	1	305	24,740	3.57	882	17	13,630	3.81	519	6-71		36	1,142	-.03	36	$ 64
84-03-9286	7466257	1427381	11-68	2	290	19,775	3.65	721	28	14,700	3.54	521	1-72		40	1,240	.05	52	81
84-03-9286	7466261	1417208	7-69	1	305	19,000	4.00	760	35	14,660	3.65	535	10-71		36	736	.04	33	49
84-03-9307	6708631	1315578	2-66	3	305	19,760	4.11	813	77	15,716	3.73	586	11-70		42	636	.15	45	56
84-03-9307	7340616	1182696	3-69	1	305	26,450	3.44	910	68	18,270	3.60	657	9-71		36	919	.00	33	55
84-03-9308	7340615	1308101	3-69	1	305	19,130	3.55	680	29	15,350	3.53	542	8-71		36	904	-.02	29	51
84-03-9422	6318294	1439130	5-65	5	301	20,222	3.69	747	31	15,642	3.57	558	11-71		32	746	.03	31	48
84-03-9422	7291074	1308101	3-69	1	305	20,170	3.50	705	23	15,720	3.58	562	5-71		36	956	-.03	30	54
84-03-9422	7346905	1308101	1-69	1	305	22,390	3.60	806	24	16,820	3.54	596	3-71		36	1,048	-.02	35	60
84-03-9480	5186124	1323005	8-60	4	305	20,695	3.33	690	10	15,290	3.56	545	2-71		36	998	-.05	29	54
84-03-9807	6085343	1243141	2-64	5	305	19,324	3.65	705	14	14,384	3.81	548	10-71		40	799	-.03	25	45
84-03-9807	7290195	1503923	10-68	2	305	23,270	3.41	793	10	15,525	3.82	593	12-71		29	1,251	-.08	33	65
84-03-9807	7290199	1503923	4-69	1	305	24,920	3.46	861	10	14,240	4.08	581	6-71		24	1,294	-.08	34	67
84-03-9815	6232442	1406271	8-64	5	305	18,968	3.50	663	146	16,020	3.61	579	2-72		44	759	.01	29	47
84-03-9815	6816292	1291500	5-67	3	305	20,093	3.61	726	112	15,337	3.67	563	12-71		33	694	.00	25	42
84-03-9815	6876967	1473442	12-66	2	305	22,110	3.33	737	75	15,510	3.57	554	8-70		39	1,070	-.07	27	55
84-03-9815	6876973	1473442	7-67	1	305	23,130	3.17	733	73	15,680	3.54	555	2-71		35	980	-.09	22	46
84-03-9815	6876975	1473442	7-67	1	305	24,370	3.34	813	66	15,930	3.59	572	4-71		35	1,057	-.07	27	54
84-03-9815	6917318	1473442	10-67	2	305	19,750	3.63	717	95	15,700	3.61	567	3-72		39	808	-.04	23	43
84-03-9815	7064296	1488000	3-68	2	305	23,225	3.10	721	118	15,625	3.70	578	11-71		29	1,009	-.11	19	46
84-03-9815	7282449	1473442	12-68	1	305	22,330	3.63	811	74	15,070	3.76	567	7-71		35	960	-.05	27	51
84-04-0024	7350032	1493657	7-69	1	305	23,900	2.89	691	10	15,010	3.20	480	8-71		24	911	-.09	19	43
84-04-0025	6291511	1438285	6-64	5	298	17,238	3.42	590	17	14,636	3.46	506	4-71		39	777	-.03	23	42
84-04-0035	6840313	1315578	7-67	3	293	18,410	3.47	639	50	14,433	3.33	480	8-71		42	614	.09	36	48
84-04-9010	7066268	1308101	4-68	2	305	20,205	3.42	692	27	15,210	3.40	517	5-71		40	1,094	-.03	35	62
84-04-9010	7167791	1371548	6-68	2	305	20,235	3.73	755	20	14,790	3.41	505	12-71		40	645	.03	28	43
84-04-9038	6907863	1315578	11-66	3	305	22,906	3.66	839	20	15,450	3.33	514	3-72		42	1,025	.12	55	76
84-04-9038	7339747	1478038	4-68	1	305	19,790	3.18	629	18	12,810	3.38	433	8-71		24	850	-.06	22	44
84-06-0002	7196011	1491980	7-68	1	305	20,230	3.44	695	38	14,410	3.59	517	9-70		30	753	.03	32	49
84-06-0085	7134961	1458744	9-68	2	305	21,500	3.24	697	28	14,860	3.50	520	12-71		40	1,128	-.05	33	61
84-06-0085	7660515	1513638	12-68	2	301	20,850	3.31	691	13	16,340	3.28	536	1-72		30	864	-.02	28	47
84-06-0093	7468391	1315578	9-68	2	286	23,755	3.85	914	5	16,715	3.49	584	11-71		40	899	.13	52	70
84-06-0128	7618382	1308101	8-69	1	305	21,820	3.29	717	10	14,970	3.48	521	9-71		36	1,129	-.05	33	61
84-06-9007	6198634	1371769	8-64	2	305	22,235	3.80	846	27	17,670	3.45	610	11-71		29	563	.06	30	42
84-06-9007	6632276	1450228	8-66	4	299	25,857	2.88	744	24	16,515	3.51	579	3-72		42	1,716	-.15	37	82
84-06-9007	6959693	1371548	10-67	2	305	23,495	3.58	840	36	16,980	3.62	615	5-71		40	777	-.01	27	45
84-06-9012	5982833	1244009	10-63	6	305	22,113	3.44	761	44	17,893	3.62	647	2-72		44	980	-.06	26	51
84-06-9012	6417662	1406271	10-65	4	305	20,965	3.88	814	49	18,073	3.61	653	10-71		44	765	.08	39	55
84-06-9012	6567899	1435684	6-66	4	305	21,065	3.87	816	39	18,132	3.65	662	12-71		35	535	.08	31	42
84-06-9012	6567900	1276654	4-66	3	305	23,110	3.48	804	37	17,693	3.63	642	2-71		42	788	-.03	24	44
84-06-9012	6672493	1466757	8-66	2	305	27,930	3.27	913	40	18,555	3.66	679	6-71		33	1,447	-.09	38	75
84-06-9012	6672499	1435684	7-66	3	305	20,673	4.06	839	39	17,916	3.67	658	10-71		34	479	.11	33	42
84-06-9012	6881571	1466757	9-67	3	305	22,570	3.58	809	40	19,233	3.68	708	1-72		36	812	-.03	25	45
84-06-9012	7021538	1466757	2-68	2	305	25,390	3.49	887	36	17,895	3.73	668	7-71		33	1,226	-.05	37	67
84-06-9012	7123584	1495598	8-68	2	305	24,245	3.95	958	45	19,355	3.71	719	1-72		29	883	.04	38	56
84-06-9012	7123590	1466757	7-68	2	305	20,615	4.08	841	41	18,360	3.79	695	11-71		33	634	.03	28	42
84-06-9012	7123593	1308101	8-68	2	305	20,940	3.43	718	47	18,620	3.75	699	12-71		40	857	-.06	21	43
84-06-9012	7202781	1466757	10-68	1	305	25,070	3.52	882	40	18,610	3.63	676	4-71		28	937	-.02	30	53
84-06-9092	6648760	1446865	11-66	3	305	21,930	3.27	717	25	17,250	3.29	567	2-72		33	890	-.03	27	49
84-06-9092	7402321	1308101	2-69	1	305	22,210	3.30	732	30	16,520	3.55	586	3-71		36	1,055	-.05	30	57
84-06-9208	5017703	1276178	12-59	6	305	23,175	3.34	775	16	17,023	3.40	578	3-72		36	854	-.02	28	4-
84-06-9208	5807714	1402593	5-63	6	305	22,101	3.44	760	15	16,320	3.59	586	9-71		36	934	-.03	29	5-
84-07-9068	5804260	1189870	12-62	5	299	21,608	3.47	749	19	16,470	3.70	610	8-71		44	887	-.03	27	49
84-07-9068	5978765	1392858	9-63	6	284	26,371	3.36	886	24	17,000	3.62	615	2-72		44	1,420	-.03	46	71
84-07-9068	6160059	1237057	10-64	5	203	21,610	3.70	800	39	16,216	3.52	571	5-71		44	979	.03	35	58
84-07-9068	6393234	1450228	9-65	2	305	24,630	3.40	837	19	17,240	3.46	597	11-70		39	1,338	-.04	42	75
84-07-9068	6570463	1450228	4-66	4	305	21,540	3.47	748	21	17,130	3.43	588	1-72		42	1,102	-.02	36	63
84-07-9068	6603095	1450228	8-66	3	302	21,950	3.28	719	23	17,363	3.46	601	1-72		41	1,094	-.06	30	55
84-07-9068	6641839	1450228	10-66	4	305	20,992	3.25	683	24	16,895	3.47	587	3-72		42	1,060	-.07	28	52
84-07-9068	6641840	1450228	11-66	3	305	19,196	3.32	637	20	17,070	3.47	593	11-71		41	803	-.05	21	42
84-07-9068	6752832	1451149	12-66	2	231	22,505	3.31	745	16	17,320	3.49	604	9-70	B	34	832	-.05	22	43
84-07-9068	6773900	1438533	3-66	3	276	23,690	3.47	822	29	20,166	3.50	706	11-70		37	845	-.04	24	45
84-07-9068	6786947	1457368	10-66	3	305	21,596	3.40	735	9	14,763	3.57	527	10-71		35	1,149	-.02	38	66
84-07-9068	6977669	1450228	1-68	1	305	21,590	3.66	791	17	16,290	3.44	560	9-70		35	999	-.01	35	59
84-07-9068	7140199	1427381	7-68	2	274	16,840	3.72	626	20	14,690	3.70	544	7-71	B	40	943	.04	40	61
84-07-9075	6149914	1410449	10-64	4	305	22,170	3.69	819	44	17,395	3.47	604	4-71		34	722	.04	32	48
84-07-9075	6780254	1450228	1-67	3	305	19,106	3.78	722	37	15,856	3.63	576	9-71		41	920	.00	33	55
84-07-9075	6838335	1457368	6-67	3	298	19,823	3.50	693	39	15,626	3.65	570	8-71		35	817	-.01	28	43
84-07-9075	6838335	1450228	6-67	3	294	18,200	3.76	685	35	15,893	3.62	575	10-71		41	810	.00	29	48
84-07-9075	6905209	1458744	6-67	2	305	22,740	3.72	847	40	16,485	3.57	588	1-71		40	1,166	.01	42	67
84-07-9075	6951253	1457368	11-67	3	296	22,066	3.43	757	33	18,570	3.43	637	1-72		35	765	.00	28	46
84-07-9075	7140041	1502025	6-68	2	305	18,470	4.04	746	29	15,930	3.60	574	10-71		30	564	.16	30	4-
84-07-9075	7140043	1502025	7-68	1	305	20,950	3.77	790	44	16,140	3.57	576	7-71		24	766	.02	29	-
84-07-9075	7140049	1502025	9-68	2	301	21,895	3.58	784	28	18,785	3.45	649	1-72		33	565	.02	27	4-
84-07-9075	7256998	1438285	7-67	1	305	22,390	3.51	785	35	16,750	3.64	609	10-70		29	958	-.04	28	52
84-07-9075	7279932	1502025	11-68	2	305	24,095	3.32	800	33	18,420	3.48	641	3-72		30	967	-.03	30	54
84-07-9075	7347334	1450228	4-69	1	305	19,500	3.46	675	53	17,150	3.58	614	5-71		35	780	-.04	22	42
84-07-9075	7347340	1450228	5-69	1	305	19,480	3.33	648	33	16,550	3.58	593	10-71		35	820	-.05	22	43
84-12-0001	7155257	1451149	3-68	2	299	17,450	3.55	619	14	13,300	3.13	416	8-71		34	670	.02	27	4-
84-12-0001	7329123	1497355	1-69	1	305	23,770	2.90	690	15	14,830	3.20	475	6-71		27	821	-.06	21	42
84-15-0007	6895064	1355784	7-67	2	305	19,650	3.55	698	15	15,510	3.44	534	11-71		40	916	-.05	25	45
84-20-0011	6066321	1237057	1-64	4	305	23,368	3.41	815	6	15,703	3.57	560	1-72		44	1,288	-.07	36	69
84-20-0011	7639471	1513638	11-69	1	305	20,020	3.52	704	10	15,670	3.45	541	10-71		24	726	-.01	25	42
84-30-0030	6632188	1450765	7-66	4	299	18,567	3.34	620	9	14,042	3.44	483	10-71		34	818	-.04	24	44
84-30-9001	6250554	1406271	12-64	5	305	19,302	3.32	640	29	16,240	3.42	556	12-71		44	776	.01	29	47

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C D	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
84-30-9001	6753256	1438285	11-66	4	305	18,890	3.26	615	28	15,055	3.42	515	7-71		38	938	-.06	25	$ 49
84-30-9001	6842530	1438285	2-67	3	305	18,683	3.22	601	24	14,980	3.47	520	10-71		37	898	-.07	22	45
84-30-9001	6842533	1438285	2-67	3	305	20,126	3.17	639	22	15,703	3.36	527	4-71		37	998	-.06	26	52
84-30-9001	6842534	1438285	3-67	3	305	18,603	3.63	676	24	15,083	3.45	521	12-71		37	876	.00	31	52
84-30-9001	6842539	1461269	5-67	2	305	26,985	3.83	1033	16	16,205	3.43	556	3-72		30	1,451	.06	62	95
84-30-9001	6842540	1461269	5-67	2	305	23,840	3.29	784	18	15,865	3.41	541	2-71		30	1,113	-.04	34	62
84-30-9001	7100609	1438285	5-68	1	305	19,750	3.14	621	31	13,950	3.36	469	8-70		29	948	-.06	25	49
84-30-9001	7158887	1450228	3-68	2	305	17,725	3.37	597	33	14,230	3.43	488	8-71		39	904	-.04	27	50
84-30-9001	7201048	1438285	10-68	2	302	22,750	3.22	733	20	14,975	3.55	532	11-71		34	1,313	-.08	35	68
84-30-9001	7201050	1438285	12-68	1	305	22,280	3.08	686	20	16,690	3.31	552	4-71		29	953	-.07	24	49
84-30-9001	7412513	1406271	7-69	1	305	26,630	3.38	900	37	14,440	3.58	517	9-71		36	1,317	.01	49	80
84-30-9001	7601902	1438285	11-69	1	305	18,670	4.05	756	20	15,360	3.59	551	12-71		29	753	.02	30	47
84-32-0001	6947254	1450228	9-67	1	305	18,410	3.46	637	73	12,760	3.20	408	7-71		35	999	-.01	34	58
84-32-0001	7319379	1473442	1-69	1	305	21,000	3.18	667	74	12,600	3.27	412	8-71		35	1,029	-.07	26	52
85-01-9001	5913172	1010936	11-63	5	305	23,198	3.26	757	11	16,070	3.47	558	1-71		44	1,100	-.03	35	62
85-01-9001	6515455	1315578	3-66	4	302	17,617	3.93	692	10	15,512	3.44	534	2-72		44	426	.15	37	43
85-01-9001	6552310	1447453	2-66	3	305	22,363	3.32	742	12	16,503	3.55	586	1-72		29	865	-.05	24	40
85-01-9001	6700260	1315578	12-66	2	305	19,790	3.67	727	14	15,070	3.47	523	8-70		40	647	.10	39	52
85-01-9001	7442536	1261857	7-69	1	305	20,810	3.67	764	17	14,210	3.67	521	6-71		36	921	.06	42	62
85-01-9002	6307185	1410126	6-64	5	305	20,314	3.16	641	77	14,984	3.25	487	7-71		35	926	-.05	26	49
85-01-9002	6698509	1466812	8-66	3	305	19,853	2.92	580	81	15,030	3.25	489	8-71		36	951	-.07	24	48
85-01-9002	7134129	1315578	4-67	3	294	17,953	3.34	600	76	14,520	3.31	481	10-71		42	552	.07	31	42
85-01-9002	7313765	1315578	1-69	1	305	18,750	4.30	806	106	14,560	3.41	497	10-71		36	465	.16	42	49
85-01-9002	7313785	1321904	12-68	1	305	22,350	3.57	799	86	15,010	3.37	506	11-71		35	727	.01	23	40
85-01-9002	7552463	1392858	10-69	1	298	21,700	3.48	756	106	14,520	3.42	497	10-71		35	739	.03	31	43
85-02-0011	7095085	1413165	3-68	2	284	22,015	3.71	816	13	14,575	3.41	497	5-71		40	1,068	-.05	32	59
85-02-9015	5746909	1239242	7-62	7	299	19,500	3.45	673	29	14,949	3.53	527	6-71		44	743	-.02	24	42
85-02-9015	6585050	1471530	3-66	4	256	20,843	3.23	674	42	15,470	3.51	543	12-71	8	35	914	-.07	23	47
85-02-9015	7174005	1399283	6-68	2	242	20,400	3.47	708	56	15,310	3.54	542	11-71	8	40	778	-.04	22	42
85-02-9015	7344849	1471968	10-67	3	262	24,690	3.25	803	110	17,203	3.68	633	11-71	8	37	1,207	-.11	26	58
85-03-0027	6649919	1271075	12-64	2	305	18,480	3.45	637	5	14,905	3.46	515	8-71		40	787	-.01	27	46
85-03-9034	7403522	1308101	2-68	2	301	20,805	3.04	632	35	17,245	3.37	581	11-71		40	969	-.08	23	43
85-06-9001	5617331	1190799	8-61	6	305	21,180	3.89	824	47	15,362	3.65	560	1-72		38	1,129	.03	45	71
85-06-9001	6318388	1432351	9-64	5	305	19,180	3.84	736	57	15,650	3.66	573	1-72		39	646	.03	23	43
85-06-9001	6318405	1417720	1-65	5	305	19,556	3.51	687	59	15,892	3.67	583	2-72		40	820	-.04	23	44
85-06-9001	6568225	1417720	10-65	4	305	18,885	3.44	649	70	15,120	3.64	551	2-72		39	806	-.05	21	42
85-06-9001	6862943	1457231	8-66	3	305	22,120	3.83	847	33	17,597	3.68	647	4-71		32	688	.06	34	49
85-06-9001	7059255	1480890	6-67	3	305	22,816	3.69	842	79	15,850	3.67	582	9-71		32	1,027	.01	39	63
85-06-9001	7059261	1480890	9-67	2	305	22,480	3.52	791	67	16,205	3.70	600	10-71		29	839	-.03	25	47
85-06-9001	7172805	1432351	7-68	2	305	25,780	3.72	960	37	17,310	3.79	656	2-72		34	1,117	-.01	39	66
85-06-9001	7191838	1440194	4-67	3	305	21,120	3.62	764	77	15,797	3.67	580	9-71		34	856	-.01	30	51
85-07-9014	7417440	1518086	9-69	1	305	21,030	3.40	715	74	14,200	3.44	488	10-71		31	930	-.04	27	50
85-32-9005	6426973	1385036	8-65	4	305	21,280	3.44	732	91	16,410	3.38	555	8-71		44	787	-.04	23	43
85-32-9005	6989989	1239242	9-67	2	305	23,535	3.27	770	93	17,380	3.42	594	8-71		40	815	-.04	24	44
85-32-9005	6989997	1239242	12-67	2	305	23,005	3.29	757	88	17,415	3.42	595	7-71		40	758	-.03	23	42
85-32-9005	7362983	1357797	5-69	1	305	22,460	3.48	781	81	18,210	3.45	629	6-71		35	581	.10	36	47
85-32-9005	7473873	1357797	8-69	1	305	22,920	3.69	846	126	18,450	3.45	637	1-72		35	599	.12	40	51
86-01-0098	6972274	1383311	1-68	3	301	23,810	3.03	722	5	16,870	3.44	580	1-72		42	912	-.09	19	40
86-01-9005	7005424	1315578	10-67	3	292	19,070	3.74	714	68	16,210	3.52	571	10-71		42	506	.11	35	44
86-01-9005	7404389	1427381	9-69	1	162	22,120	3.08	682	73	16,540	3.51	580	11-71	B	36	1,199	-.01	42	71
86-01-9005	7545621	1427381	11-69	1	305	19,410	3.67	713	73	16,540	3.51	580	11-71		36	997	.05	44	56
86-01-9022	5757557	1387676	11-62	5	305	22,360	3.83	857	72	16,548	3.55	587	12-71		35	949	.04	41	60
86-01-9022	6039308	1230610	10-63	5	298	23,496	3.55	835	81	16,582	3.58	594	10-71	H	37	998	.01	37	51
86-01-9022	6058504	1230610	12-63	4	298	22,758	3.41	776	58	16,280	3.53	575	4-71		36	889	-.01	30	52
86-01-9022	6065329	1330987	10-63	5	305	18,024	3.97	715	80	16,510	3.48	575	8-71		44	501	.11	34	43
86-01-9022	6165541	1419618	2-64	5	305	22,472	3.31	744	74	17,040	3.46	590	9-71		35	928	-.05	26	49
86-01-9022	6340885	1230610	8-64	5	303	20,672	4.08	844	77	16,146	3.56	574	11-71		37	643	.12	41	53
86-01-9022	6340924	1261493	11-64	5	305	22,530	3.19	718	73	15,916	3.56	567	12-71		35	1,104	-.09	25	55
86-01-9022	6855869	1434193	10-66	2	305	19,305	4.52	872	90	15,415	3.67	565	10-71		28	474	.15	4[illegible]	47
86-01-9022	7388073	1527627	7-69	1	305	26,290	3.29	864	72	17,700	3.75	563	1-72		22	945	-.07	23	4[illegible]
86-01-9022	7847027	1522563	7-69	2	305	24,465	3.41	834	46	17,475	3.67	642	3-72		23	983	-.05	28	53
86-01-9022	7856333	1527627	8-69	1	305	23,470	3.69	865	63	16,410	3.70	607	6-71		22	794	.00	28	47
86-01-9078	5716665	1266352	8-62	5	305	20,880	3.43	716	29	15,422	3.47	535	2-72		35	902	-.02	29	51
86-01-9153	5905879	1268294	7-63	6	304	23,173	3.19	740	158	16,803	3.48	584	1-72		44	1,074	-.09	25	53
86-01-9153	6045890	1355052	10-63	5	302	22,682	3.28	744	164	17,288	3.48	601	1-71		36	939	-.06	25	4[illegible]
86-01-9153	6281735	1420657	12-64	5	305	22,608	3.13	707	112	16,712	3.43	574	1-72		36	985	-.09	22	46
86-01-9153	6281735	1420657	12-64	5	293	22,572	3.33	751	148	17,296	3.45	597	3-71		36	902	-.04	26	49
86-01-9153	6462613	1390570	9-65	5	299	22,064	3.34	738	138	17,110	3.47	594	3-72		35	794	-.0[illegible]	23	43
86-01-9153	6527994	1355052	12-65	4	304	21,413	3.39	725	132	17,100	3.47	594	12-71		35	743	-.03	23	4[illegible]
86-01-9153	6994940	1437633	10-67	2	305	25,135	3.18	799	179	17,360	3.55	617	4-71		33	1,315	-.1[illegible]	31	65
86-01-9169	6076590	010229512	3-62	7	305	20,044	3.77	756	96	15,179	3.60	546	2-72		44	731	.09	4[illegible]	5[illegible]
86-01-9169	6343825	010277381	6-63	4	305	21,330	3.26	695	101	14,578	3.55	517	8-71		30	1,029	-.07	27	53
86-01-9169	6457400	1440961	9-65	4	295	18,077	3.61	652	159	14,872	3.46	515	11-71		35	702	.00	25	4[illegible]
86-01-9169	6745733	1440961	12-66	3	303	18,023	3.61	651	120	14,513	3.46	502	7-71		33	710	.00	26	43
86-01-9169	7359330	1450228	4-69	1	305	18,770	3.54	664	144	15,190	3.50	532	7-71		35	859	-.03	27	4[illegible]
86-01-9169	7437365	1450228	8-69	1	305	19,250	3.93	756	193	17,200	3.56	612	11-71		35	758	.01	29	4[illegible]
86-01-9173	7452341	1366011	9-69	1	305	23,960	2.99	716	30	18,370	3.26	599	3-72		33	839	-.01	28	4[illegible]
86-01-9221	5827448	1199324	11-62	4	303	21,090	3.24	683	40	18,103	3.38	611	1-72		44	851	-.04	24	45
86-01-9221	6255205	1393389	11-64	3	297	21,403	3.40	728	22	16,760	3.46	580	8-70		32	783	-.03	24	4[illegible]
86-01-9221	6376036	1330987	1-65	4	305	21,710	3.48	755	52	16,643	3.43	571	10-71		44	935	.03	35	54
86-01-9221	7082182	1417208	11-67	2	305	23,870	3.38	806	41	16,860	3.46	584	8-71		40	1,123	-.02	38	65
86-01-9221	7160016	1518217	9-68	2	298	22,160	4.05	897	40	18,540	3.44	633	12-71		25	511	.11	35	44
86-01-9221	7192339	1487301	5-67	3	305	24,840	3.17	787	40	17,323	3.45	597	12-71		32	1,128	-.08	29	58
86-01-9221	7585717	1427381	5-70	1	305	22,080	3.17	699	20	19,230	3.41	656	3-72		35	1,016	.01	33	67
86-01-9323	5867367	1405612	6-63	5	295	23,930	2.98	713	133	15,592	3.38	527	11-71	B	35	1,537	-.13	35	7[illegible]

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C D	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
86-01-9323	6406555	1440457	11-65	4	304	21,527	3.03	652	150	15,967	3.27	522	1-72		33	878	-.08	19	$ 42
86-01-9323	7735182	1493686	11-69	1	305	22,110	2.99	662	88	18,110	3.19	577	3-72		35	754	.00	27	45
86-02-0019	5383811	1236721	3-61	4	305	16,515	3.40	561	46	13,655	3.03	414	1-71		40	711	.03	30	46
86-02-0019	6321005	1346792	1-65	3	304	20,763	2.78	577	30	14,736	2.94	433	3-72		32	921	-.10	18	43
86-02-0019	7320638	1366011	9-67	2	305	22,030	2.47	545	44	15,305	2.88	441	1-72		38	1,067	-.07	27	54
86-02-0019	7396058	1438535	3-69	1	305	21,520	3.26	702	38	15,490	2.93	454	1-72		34	817	.04	36	54
86-02-0033	7016654	1389471	1-68	2	305	19,360	3.66	709	13	14,105	3.14	443	2-72		40	689	.03	29	45
86-02-9008	5612412	1396303	8-62	8	304	19,957	3.51	701	35	15,325	3.63	556	1-72		36	711	.00	26	43
86-02-9027	6445628	1222994	12-65	4	304	21,160	3.16	668	60	15,743	3.21	505	1-72		44	944	-.03	30	53
86-02-9027	6641330	1386406	12-65	4	275	18,317	3.71	680	26	14,155	3.50	496	9-71		44	741	.04	33	50
86-02-9027	7210012	1347940	8-68	2	293	20,430	2.89	591	58	15,350	3.30	507	10-71		40	1,013	-.07	26	52
86-02-9027	7210016	1347940	9-68	1	305	21,290	2.46	523	65	15,970	3.21	513	11-71		36	926	-.09	19	44
86-02-9027	7210018	1347940	10-68	2	291	17,860	3.64	650	60	15,855	3.26	517	2-72		40	706	.04	31	47
86-02-9027	7342445	1347940	3-69	1	305	19,320	3.00	579	61	15,270	3.32	507	5-71		36	827	-.04	24	45
86-02-9027	7342446	1347940	4-69	1	305	16,190	3.74	605	57	14,540	3.31	482	7-71		36	642	.03	28	42
86-02-9027	7342449	1347940	5-69	1	305	21,160	3.19	676	61	15,270	3.32	507	5-71		36	964	-.02	31	55
86-02-9027	7528733	1392858	9-69	1	305	20,880	3.57	746	62	15,630	3.23	505	10-71		36	603	.06	30	43
86-02-9027	7685422	1458744	3-69	1	297	21,580	3.04	656	71	16,230	3.17	515	1-72		36	891	-.03	27	49
87-01-0994	6206535	1244009	12-64	5	305	19,506	3.28	640	57	15,964	3.43	547	1-72		44	868	-.06	22	44
87-01-0994	7214741	1491451	3-67	4	305	23,017	2.83	652	47	16,317	3.43	560	3-72		33	1,014	-.13	16	44
87-01-0994	7841291	1261857	7-69	1	305	23,630	3.66	864	70	17,880	3.50	625	12-71		36	885	.07	43	62
87-01-0994	8023706	1427381	2-70	1	305	21,090	3.66	772	60	18,190	3.53	643	2-72		36	1,012	.05	44	67
87-02-0344	6106952	1244009	10-63	3	298	20,503	3.60	739	13	17,153	3.67	629	9-71		42	822	-.04	24	45
87-02-0744	6898236	1240549	11-66	3	305	22,050	3.22	710	8	15,270	3.65	557	4-71		42	803	-.05	21	42
87-03-0003	6278609	1271075	3-65	5	289	18,410	3.89	717	5	15,536	3.50	543	1-72		44	778	.06	37	54
87-03-0261	6661813	1417208	6-66	5	302	20,380	3.88	791	8	16,318	3.53	576	2-72		44	908	.07	43	63
87-03-0273	7085321	1430368	5-68	2	298	18,110	4.46	807	8	14,330	3.98	571	11-71		29	484	.11	34	43
87-03-0286	7414944	1483087	7-69	1	305	22,750	2.92	664	5	18,030	3.43	619	11-71		27	1,061	-.14	17	40
87-03-0287	6428375	1399850	11-65	4	305	21,517	3.75	807	16	16,620	3.75	623	8-71		43	721	.06	35	51
87-03-0287	7159062	1433447	6-68	2	305	21,755	3.90	848	23	15,550	3.94	612	11-71		38	815	.04	35	53
87-03-0287	7442755	1427381	11-69	1	305	18,850	4.47	842	20	16,960	3.92	664	3-72		36	927	.10	48	67
87-03-0341	6862940	1261857	3-67	2	305	16,635	3.94	655	20	14,385	3.48	500	1-72		40	533	.10	38	51
87-03-0341	6979253	1261857	2-67	4	298	17,515	3.85	674	16	15,170	3.45	524	3-72		44	661	.10	40	53
87-03-0735	7627405	1427381	11-69	1	302	16,480	3.79	625	11	14,070	3.61	508	11-71		36	944	.05	42	63
87-03-0794	6025743	1244009	10-63	4	303	20,960	3.50	733	10	16,798	3.74	628	1-72		44	940	-.06	24	45
87-03-0794	6454704	1444032	12-65	4	293	20,273	3.71	752	10	15,198	3.62	550	9-71		35	854	.03	36	55
87-03-0794	6454705	1444032	12-65	5	300	24,024	4.06	975	14	16,346	3.60	589	1-72		36	1,261	.12	55	92
87-03-0819	7761221	1427381	6-69	1	305	19,130	3.23	618	12	15,890	3.43	545	2-72		36	1,020	.01	39	62
87-03-0848	7347480	1483087	10-67	2	303	17,845	3.11	555	37	14,435	3.59	518	12-71		32	978	-.13	16	43
87-03-0848	7347482	1483087	12-67	2	305	19,210	3.15	606	33	14,215	3.55	504	2-72		32	1,158	-.12	23	54
87-03-0848	7347483	1483087	5-68	2	302	17,575	3.41	599	25	13,735	3.55	487	7-71		32	1,020	-.08	24	51
87-03-0870	6453891	1446479	10-65	3	305	20,820	4.28	892	16	16,443	3.66	601	7-71		32	774	.12	46	61
87-03-0870	6453893	1446479	10-65	4	305	20,355	3.60	732	18	16,278	3.72	605	10-71		33	766	-.02	25	44
87-03-9017	6728044	1457615	12-65	4	291	19,925	3.27	652	20	15,365	3.59	551	6-71		33	854	-.07	20	42
87-03-9071	5945174	1199324	10-62	7	282	19,543	3.48	680	8	15,910	3.56	566	6-71	B	44	919	-.03	29	52
87-03-9071	7231485	1510690	8-68	1	305	26,490	3.51	930	9	17,210	3.45	594	5-71		19	909	.00	33	55
87-03-9223	5562022	1244845	9-61	7	305	20,784	3.28	682	61	15,447	3.53	545	12-71		44	398	-.07	21	44
87-03-9223	5714710	1239242	9-62	3	305	19,030	3.89	741	62	14,710	3.56	524	7-71		42	555	.04	30	44
87-03-9223	6273500	1242221	9-64	5	305	23,294	3.31	770	64	15,800	3.55	561	3-71		43	1,599	-.05	49	39
87-03-9223	6387162	1242221	5-65	5	305	17,628	3.46	610	64	15,112	3.58	541	11-71		43	927	-.02	30	53
87-03-9223	6387180	1189870	3-65	4	305	20,248	3.18	643	56	15,100	3.56	538	4-71		44	844	-.06	22	44
87-03-9223	6507673	1452343	11-65	3	305	22,450	3.28	737	68	16,140	3.49	564	11-70		33	885	-.05	24	46
87-03-9223	6513499	1294552	12-65	3	305	21,920	3.59	788	65	16,203	3.52	571	11-70		34	918	.00	33	57
87-03-9223	6847219	1477381	2-67	3	305	19,210	3.45	662	60	16,050	3.55	570	7-71		41	588	.01	26	42
87-03-9223	6847221	1223243	3-67	3	305	20,290	3.55	721	49	15,953	3.54	564	3-72		42	778	-.01	27	46
87-03-9223	6978482	1294552	11-67	2	305	22,150	3.19	706	65	16,140	3.57	576	12-70		31	871	-.08	19	42
87-03-9223	7102570	1242221	3-68	2	305	19,140	3.44	659	68	14,975	3.59	538	8-71		38	1,070	-.02	35	51
87-03-9223	7102574	1223243	4-68	2	305	19,690	3.43	676	59	14,920	3.60	537	7-71		40	755	-.03	23	42
87-03-9223	7602373	1495135	9-69	1	305	18,270	3.92	716	75	13,690	3.57	489	11-71		32	728	.08	38	53
87-03-9316	5760918	1199324	12-62	6	305	20,353	3.70	754	29	15,772	3.73	589	2-71		44	1,039	-.01	35	61
87-03-9316	6943191	1483087	10-67	2	305	20,350	3.80	774	27	16,010	3.67	588	2-72		32	1,163	-.04	34	61
87-03-9316	7146478	1483087	1-68	2	305	20,595	3.08	635	18	16,225	3.72	604	3-71		32	1,109	-.15	15	47
87-03-9509	5387920	1199324	10-62	7	303	16,986	3.57	607	24	14,117	3.78	534	9-71		44	797	-.04	23	43
87-03-9509	7205643	1244009	8-67	3	305	18,693	3.59	671	28	14,477	3.79	549	2-72		42	891	-.05	24	47
87-03-9509	7212025	1417208	7-68	2	305	18,080	3.69	667	22	15,065	3.76	570	3-72		40	699	.01	26	42
87-03-9509	7841829	010299855	9-68	1	305	21,980	3.46	760	52	15,210	3.72	566	11-71		28	801	-.03	24	44
87-03-9559	7482330	1427381	9-69	1	305	18,600	3.50	651	24	15,400	3.54	545	11-71		35	1,013	.04	42	65
87-03-9565	5629546	1223243	7-62	4	305	25,265	3.60	910	12	14,993	3.55	533	5-71		43	1,535	.00	55	92
87-03-9565	7237907	1427381	1-69	1	305	19,110	3.21	614	21	15,170	3.50	531	4-71		36	1,367	.01	40	65
87-03-9565	7482329	1427381	8-69	1	108	21,530	3.50	754	10	16,820	3.44	578	12-71	B	36	1,136	.04	47	73
87-06-0058	5949736	1244009	9-63	5	304	19,264	3.42	658	16	14,808	3.54	524	6-71		44	971	-.05	27	53
87-18-0030	6931391	1451150	7-67	2	305	21,135	3.69	779	8	14,965	3.40	509	9-71		29	612	.04	35	53
87-18-0175	6991500	1492368	9-67	3	301	19,896	3.19	635	25	15,643	3.45	540	3-72		32	862	-.08	19	42
87-18-0175	6991501	1492368	9-67	3	305	20,446	3.03	620	31	14,876	3.50	521	12-71		32	1,031	-.12	19	47
87-18-0175	7213524	1492368	8-68	2	305	20,910	3.21	672	22	15,820	3.42	541	3-72		29	909	-.07	22	46
87-18-0175	7213526	1492368	8-68	2	305	20,230	3.57	722	27	15,715	3.44	540	2-72		29	839	-.01	28	45
87-18-0175	7213527	1492368	9-68	2	305	19,555	3.24	634	31	14,955	3.48	520	1-72		29	840	-.07	20	42
87-18-0175	7213528	1492368	10-68	1	305	21,940	3.12	685	31	15,840	3.43	544	1-71		23	864	-.08	19	42
87-18-0187	6969774	1330987	10-67	3	305	19,627	3.36	660	30	15,880	3.43	544	2-72		42	737	.02	29	46
87-18-0187	6997358	1330987	10-67	2	305	21,925	3.22	706	33	15,620	3.46	541	5-71		40	951	-.01	33	56
87-20-0455	5444668	1223243	11-61	7	291	18,316	3.67	672	19	14,044	3.60	505	9-71		44	797	.01	30	44
87-20-0455	7041941	1458744	4-67	3	291	18,740	3.64	682	21	14,226	3.54	504	9-71	H	42	952	.03	35	58
87-20-0683	7347418	1413165	3-68	2	305	23,270	3.26	759	19	16,095	3.44	553	2-71		40	1,377	-.12	21	50
87-20-0683	7482304	1383004	11-69	1	305	27,610	4.14	1143	16	18,570	3.87	719	11-71		36	662	.15	47	59
87-20-0845	6233825	1431337	8-64	5	305	22,550	3.25	736	16	15,904	3.44	547	5-71		36	1,170	-.07	32	62

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C D	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
87-22-0726	7255865	1477381	3-67	2	305	21,255	3.72	790	19	16,910	3.87	655	6-71		39	787	.02	31	$ 49
87-22-0845	7527389	1306247	10-69	1	305	23,400	2.85	668	60	17,220	3.29	566	11-71		35	924	-.08	21	45
87-22-9061	7164443	1473442	9-67	3	293	22,413	2.84	636	21	17,230	3.33	573	2-72		41	1,000	-.14	15	43
87-22-9061	7208051	1473442	6-68	2	305	20,865	3.28	684	18	16,585	3.32	551	3-72		39	841	-.06	21	43
87-22-9082	6545809	1223243	6-65	4	305	20,400	2.95	601	6	14,605	3.63	530	4-71		43	972	-.12	17	43
87-22-9082	7877756	1493686	10-69	1	305	21,180	3.56	753	10	16,450	3.19	525	1-72		35	797	.06	38	55
87-25-0295	7832537	1347940	10-69	1	204	15,920	3.66	583	9	11,790	3.65	430	10-71	B	36	807	.01	30	49
87-25-0611	7081391	1223243	9-67	2	299	21,145	3.32	702	7	16,945	3.24	549	4-72		40	717	-.01	25	42
87-25-0611	7625369	1441440	1-70	1	305	22,180	3.02	669	15	17,510	3.24	568	3-72		36	764	-.01	26	44
87-25-0614	7437473	1427381	7-69	1	305	17,790	3.40	604	18	16,070	3.50	563	2-72		36	908	.03	37	58
87-25-7006	7325513	1503439	9-68	2	279	22,635	3.27	741	19	16,340	3.45	564	12-71		25	821	-.04	23	44
87-25-9076	6202497	1417720	3-64	5	305	19,970	3.35	669	94	14,888	3.47	517	8-71		40	1,004	-.05	29	54
87-25-9076	6969128	1355784	12-67	1	305	20,610	3.83	790	95	14,050	3.69	518	8-70		35	1,007	-.05	29	54
87-25-9076	6969130	1355784	12-67	2	305	17,615	3.64	641	96	14,135	3.60	509	8-71		40	835	-.06	21	43
87-25-9076	6969131	1355784	12-67	2	305	19,825	3.40	675	110	14,375	3.60	518	10-71		40	1,038	-.09	24	51
87-25-9076	6969138	1347940	10-67	3	300	18,900	3.40	642	95	15,753	3.47	546	3-72		42	848	-.02	28	49
87-25-9076	6969141	1347940	10-67	2	305	21,385	3.39	724	92	15,125	3.42	518	8-71		40	1,130	-.02	38	65
87-25-9076	6969142	1347940	10-67	2	305	19,045	3.48	662	94	15,805	3.44	544	1-71		40	830	.00	30	[illegible]
87-25-9076	6969144	1347940	12-67	1	305	17,630	4.16	733	119	14,530	3.70	538	10-70		35	750	.05	34	51
87-25-9076	7091257	1355784	1-68	2	305	20,685	3.20	662	111	15,580	3.52	549	1-72		40	1,015	-.11	20	47
87-25-9076	7091259	1355784	3-68	2	305	23,235	3.31	769	115	14,830	3.59	533	12-71		40	1,344	-.10	32	67
87-25-9076	7140974	1355784	7-68	1	305	19,780	3.57	707	104	14,050	3.71	521	9-70		35	944	-.08	22	47
87-25-9076	7140975	1355784	7-68	2	305	18,960	3.54	672	106	15,060	3.59	540	12-71		40	887	-.07	22	45
87-25-9076	7226234	1355784	1-69	1	305	21,220	3.77	799	116	14,480	3.54	512	9-71		35	1,024	-.04	30	56
87-25-9076	7602036	1427381	10-69	1	305	17,020	3.25	553	134	14,960	3.52	527	11-71		36	925	.02	36	58
87-25-9084	5546753	1386841	12-61	7	305	22,382	3.21	719	18	15,057	3.43	516	6-71		40	1,209	-.09	30	[illegible]
87-25-9084	6812251	1242221	2-67	2	305	18,705	3.66	685	17	15,395	3.62	558	2-71		38	985	.00	36	59
87-25-9084	6974178	1413165	1-68	3	305	22,030	3.11	686	25	16,396	3.46	567	1-72		42	991	-.14	14	42
87-25-9084	7154545	1413165	2-68	2	305	23,380	3.36	785	27	16,100	3.54	570	9-71		40	1,168	-.11	22	51
87-25-9487	6879551	1199324	6-67	3	224	18,393	3.53	649	15	15,457	3.55	548	12-71	B	42	797	-.01	27	46
87-25-9487	7113723	1311429	6-67	2	213	22,345	3.22	720	12	15,785	3.49	551	5-71	B	40	1,080	-.10	23	52
87-25-9487	7520895	1432733	8-69	1	305	23,850	3.57	852	10	16,040	3.43	550	3-72		35	897	.00	33	54
87-25-9487	7832534	1347940	6-69	1	305	20,420	3.36	686	15	14,680	3.37	495	11-71		36	948	-.01	33	55
87-25-9924	6721265	1482344	8-66	4	304	21,048	3.49	735	21	14,905	3.93	586	10-71		33	942	-.07	24	43
87-25-9924	6934155	1477381	8-67	3	305	19,326	3.71	735	14	16,240	3.81	618	1-72		41	740	.02	30	47
87-25-9924	6934163	1477381	10-67	2	305	21,150	3.39	717	11	16,835	3.84	647	3-71		39	783	-.03	24	43
87-25-9924	7090298	1477381	3-68	2	305	17,835	4.34	774	13	15,130	3.91	591	5-71		39	598	.09	35	47
87-26-0160	7008732	1464839	10-67	2	303	20,020	3.37	675	10	13,325	3.44	458	10-71		29	773	-.02	25	44
87-26-0522	7001797	1458744	3-68	1	305	16,120	4.09	660	56	14,290	3.37	482	8-70		35	614	.05	29	42
87-26-0658	6353948	1199324	3-65	5	305	19,242	3.20	615	23	15,760	3.67	579	11-71		44	697	-.09	19	43
87-26-0658	6896980	1458744	10-67	3	239	21,066	3.28	691	9	17,290	3.60	622	2-72	B	42	902	-.06	24	47
87-26-0722	6437200	1244845	3-65	5	270	21,704	3.61	784	28	14,696	3.64	535	10-71	B	44	1,104	-.02	36	63
87-26-0755	6946842	1199324	8-66	3	305	21,913	3.61	791	22	15,913	3.46	551	5-71		42	1,154	.01	43	7
87-26-0755	7100437	1237057	10-67	2	305	22,650	3.06	694	32	15,200	3.47	528	6-71		40	1,143	-.10	22	5
87-26-0755	7639953	1427381	2-69	2	299	18,760	3.70	694	26	15,915	3.55	565	2-72		40	1,125	.05	45	68
87-29-0074	6282568	1433907	10-64	4	304	20,378	3.42	697	8	13,158	3.73	491	7-71		30	1,079	-.05	31	57
87-29-0575	7080475	1387978	4-68	2	295	21,385	3.62	775	20	15,820	3.67	581	4-71		40	983	-.01	34	53
87-29-0575	7080476	1387978	4-68	2	305	18,945	3.68	698	22	15,450	3.69	570	6-71		40	769	.00	27	45
87-29-0575	7188222	1422506	11-67	3	305	24,760	3.45	855	18	16,690	3.64	608	3-72		42	1,217	-.01	42	71
87-29-0575	7365634	1399283	10-68	2	305	23,870	3.49	832	22	16,925	3.71	628	12-71		40	982	-.05	27	57
87-29-0590	7375013	1427381	6-69	1	305	25,120	4.10	1031	13	16,720	3.68	616	3-72		36	1,410	.09	65	94
87-29-0590	7530614	1427381	11-69	1	305	18,850	4.02	757	5	17,170	3.75	644	4-72		35	413	.07	43	63
87-29-0946	6334818	1271075	9-63	6	302	17,648	3.78	667	14	14,177	3.80	539	10-71		44	538	.01	31	51
87-29-0946	7396089	1261857	10-67	2	305	17,200	3.67	632	23	14,860	3.79	563	11-71		40	647	.04	30	44
87-29-0968	5145732	1195312	5-60	7	305	21,541	3.17	683	27	15,791	3.72	587	7-71		43	1,152	-.15	13	[illegible]
87-29-0968	7354475	1427381	10-68	1	305	21,060	4.13	869	35	15,290	3.77	576	5-71		35	1,204	.08	56	82
87-29-9329	6859162	1429305	3-67	3	305	21,723	3.34	726	28	16,313	3.62	591	1-72		32	845	-.06	21	43
87-29-9499	6087320	1424901	1-64	6	305	22,277	3.42	762	21	16,587	3.73	618	9-71		36	1,062	-.06	29	56
87-29-9499	6120919	1435690	7-64	4	305	20,540	4.06	834	24	16,590	3.70	614	5-71		44	518	.12	37	40
87-29-9499	6575012	1451379	7-65	3	305	25,953	3.36	871	35	18,290	3.71	679	4-71		35	1,227	-.07	33	64
87-29-9712	6390633	1330987	11-64	5	303	18,754	4.14	776	22	16,098	3.73	600	11-71		44	543	.11	39	[illegible]
87-29-9712	7253005	1223243	8-67	2	305	21,320	3.85	821	25	16,300	3.77	615	2-72		40	794	.02	31	49
88-01-9020	7454950	1506360	5-69	1	305	24,160	3.24	782	22	17,200	3.36	578	1-72		22	785	-.02	25	44
88-01-9025	6803383	1417208	1-67	3	305	19,933	3.74	746	19	16,270	3.58	582	6-71		42	516	.03	34	53
88-01-9025	6998475	1341571	6-67	3	295	18,946	4.00	757	23	15,920	3.62	576	5-71		35	537	.12	35	47
88-01-9025	7380415	1244009	2-69	1	304	20,680	3.54	733	24	16,170	3.56	575	5-71		36	756	-.04	22	42
88-02-0004	5718579	1223243	4-61	7	301	18,679	3.53	659	25	14,260	3.43	489	11-71		44	819	.00	30	49
88-02-0004	6642795	1433447	10-66	1	305	24,100	3.05	734	35	15,950	3.27	521	1-71		34	804	-.11	27	47
88-02-0004	6385630	1261857	3-67	2	271	19,475	3.36	655	37	16,230	3.38	546	12-71		40	753	.05	34	51
88-02-0004	7195328	1399850	11-68	1	305	24,350	3.49	851	42	16,140	3.46	558	11-71		35	727	.05	34	5
88-02-0004	7199504	1458744	8-68	1	296	19,700	3.21	633	35	16,070	3.26	524	1-71		36	762	-.02	24	43
88-16-9005	6101758	1409709	3-64	4	302	19,400	3.42	663	15	14,670	3.47	509	8-71		34	775	-.01	26	45
88-16-9005	6101757	1409709	6-64	5	303	20,424	3.65	746	15	15,410	3.39	522	8-71		35	858	.04	37	56
91-10-5064	5955468	1244009	9-63	7	298	25,316	3.01	762	24	16,886	3.55	600	3-72		44	1,510	-.15	31	71
91-11-5001	5961438	1451389	5-67	2	305	23,105	3.74	864	29	17,240	3.65	629	1-71		36	956	-.02	31	54
91-12-0017	6400490	1237057	11-65	5	298	20,606	3.39	698	7	15,728	3.66	575	11-71		44	906	-.08	21	45
91-12-0094	6495242	1277619	1-66	2	305	19,865	4.57	908	31	15,780	3.64	575	6-71		40	578	.09	35	46
91-12-0100	7005361	1212173	1-68	3	301	20,833	3.64	758	28	16,360	3.37	551	1-72		42	662	.05	32	46
91-12-0112	7419467	1387978	8-69	1	305	19,590	3.28	643	8	14,080	3.57	503	1-72		36	837	-.03	25	46
91-12-0130	6439928	1476741	11-65	4	305	20,755	4.00	830	227	17,205	3.63	625	1-72		33	519	.10	34	44
91-12-0130	7058020	1387978	4-68	2	305	20,475	3.67	752	228	17,370	3.66	636	10-71		40	749	-.01	26	44
91-12-0130	7361545	1447414	6-69	1	299	20,360	3.67	747	224	16,730	3.69	618	9-71		35	901	-.03	28	[illegible]
91-12-0130	7470223	1447414	6-69	1	305	19,080	3.69	704	196	16,870	3.75	633	7-71		35	795	-.03	24	44
91-12-0131	6380122	1010936	1-65	3	305	19,873	3.54	704	13	15,503	3.62	561	10-71		42	681	.01	26	42
91-12-0131	7199473	1377954	4-67	4	304	21,793	3.67	800	20	17,108	3.62	619	1-72		44	945	.02	37	59

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C D	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
91-12-0131	7215892	1420394	10-68	1	305	21,960	3.53	775	10	16,040	3.82	612	6-71		25	912	-.04	27	$ 50
91-12-0143	5920315	1239242	9-63	5	305	20,392	3.56	726	21	14,530	3.72	541	7-71		44	907	-.02	29	51
91-12-5117	5187899	1214152	5-60	8	303	21,665	3.51	761	49	15,901	3.55	565	5-71		44	753	-.03	23	42
91-12-5117	6206845	1420394	1-64	6	302	18,596	3.74	695	44	15,856	3.61	572	3-72		36	747	.01	29	46
91-12-5117	6547307	1420394	4-66	3	305	19,716	3.72	734	48	15,880	3.76	597	11-71		33	863	-.01	30	51
91-12-5117	6547308	1420394	4-66	3	305	19,956	3.61	720	49	16,070	3.58	575	5-71		33	872	.00	31	52
91-12-5117	6580747	1420394	6-66	3	305	19,080	3.48	664	45	15,563	3.69	575	7-71		33	817	-.04	23	44
91-12-5117	6595977	1222994	7-66	3	305	21,587	3.43	740	56	16,283	3.73	608	1-72		42	896	-.03	27	49
91-12-5117	6897146	1261857	7-67	2	305	21,705	3.72	807	54	16,420	3.76	617	11-71		40	962	.05	43	64
91-12-5117	7533417	1426616	12-69	1	305	21,720	3.45	749	51	17,240	3.72	642	2-72		33	777	-.03	23	42
91-12-5160	7047834	1458744	10-67	3	305	19,486	3.34	651	25	16,400	3.59	588	1-72		42	813	-.04	23	43
91-26-0002	6191252	1244009	8-64	3	305	18,177	3.32	604	57	13,563	3.63	493	3-71		42	926	-.07	22	46
91-26-0002	6772263	1261857	10-66	3	298	16,703	3.33	557	78	14,243	3.59	512	2-72		42	672	.02	27	43
91-26-5023	6399439	1347826	8-65	3	305	21,753	3.36	730	54	14,776	3.73	551	11-71		33	984	-.07	25	50
91-28-0073	6653313	1377954	9-66	3	301	17,990	3.97	714	9	15,270	3.50	535	9-71		42	664	.07	35	49
91-28-5072	5920256	1396355	2-63	7	305	20,810	3.45	718	40	16,819	3.44	578	4-72		39	893	-.03	27	49
91-34-0006	6410162	1416897	7-65	4	303	18,847	3.72	702	30	14,887	3.77	561	3-71		43	807	-.01	27	47
91-34-0006	6929630	1386406	9-67	2	305	22,220	3.50	778	18	16,145	3.83	618	6-71		40	878	-.02	29	50
91-34-0013	5964825	1244009	10-63	5	305	23,296	3.47	809	35	18,034	3.54	639	7-71		44	1,117	-.05	33	61
91-34-0013	6647555	1222994	6-66	2	305	22,405	3.69	827	30	18,650	3.53	658	3-72		40	698	.03	29	45
91-34-0013	7083489	1491000	1-68	3	299	23,943	3.04	729	18	19,030	3.49	665	3-72		38	1,175	-.11	26	57
91-34-0013	7237867	1399283	9-68	2	297	25,355	3.29	833	45	19,565	3.55	695	12-71		40	892	-.07	21	44
91-34-0013	7237869	1500178	10-68	1	305	25,650	3.16	810	44	19,490	3.59	699	9-71		29	916	-.10	18	43
91-34-0074	7040855	1413165	1-68	2	305	21,160	3.84	812	36	17,075	3.43	586	1-72		40	773	-.03	24	43
91-34-0074	7170509	1244009	4-68	2	305	20,400	3.23	659	51	16,390	3.42	560	7-71		40	847	-.07	20	42
91-34-0117	6811217	1416472	12-66	3	304	22,477	3.81	857	14	15,153	3.74	567	11-71		29	1,055	.03	42	66
91-34-0117	6830833	1261857	3-67	3	305	17,610	3.86	680	21	15,520	3.70	574	8-71		42	645	.08	35	48
91-34-0117	7099351	1383004	9-67	2	305	20,455	3.87	792	16	15,660	3.70	579	11-71		40	460	.13	36	43
91-34-5002	5089238	1010936	1-60	5	305	21,235	4.12	875	26	15,712	3.76	591	4-72		44	889	.09	46	65
91-34-5002	5952522	1373155	9-63	4	300	23,665	3.24	767	27	16,475	3.64	599	4-71		36	907	-.10	18	42
91-34-5002	7295698	1518988	1-69	1	305	21,520	3.73	803	23	15,310	3.70	567	3-72		24	878	.05	39	59
91-34-5002	7295699	1518988	2-69	1	305	21,990	3.69	812	25	15,370	3.70	569	10-71		24	915	.05	40	61
91-34-5002	7295700	1518988	2-69	1	305	17,140	4.49	770	26	15,260	3.68	561	2-72		24	490	.13	37	45
91-34-5002	7295701	1518988	2-69	1	305	20,060	3.91	784	23	15,310	3.70	567	3-72		24	747	.07	38	54
91-34-5002	7295702	1518988	2-69	1	305	19,690	4.23	832	23	16,020	3.69	591	11-71		24	657	.11	40	53
91-34-5002	7410939	1518988	4-69	1	305	19,970	3.69	737	25	15,370	3.70	569	10-71		24	734	.04	33	49
91-34-5002	7410940	1518988	5-69	1	305	22,120	3.80	840	23	16,020	3.69	591	11-71		24	874	.06	41	6[illegible]
91-34-5002	7410942	1518988	7-69	1	305	19,060	3.93	749	26	15,260	3.68	561	2-72		24	662	.07	35	49
91-34-5002	7410948	1518988	8-69	1	305	20,390	3.75	765	23	15,310	3.70	567	3-72		24	777	.05	36	53
91-34-5181	5758635	1383004	12-62	6	305	21,380	3.60	769	41	16,575	3.73	619	5-71		44	611	.07	33	46
91-34-5181	6137659	1242221	7-64	4	305	21,905	3.48	763	50	17,053	3.70	631	7-71		42	1,243	-.03	40	7[illegible]
91-34-5181	6147656	1383004	10-64	2	305	23,690	4.21	998	53	17,375	3.74	649	9-71		40	631	.18	50	6[illegible]
91-34-5181	6220930	1428104	7-64	5	265	22,680	3.43	778	37	15,484	3.64	564	5-71		44	1,367	-.10	34	69
91-34-5181	6259575	1417290	12-64	3	257	22,406	3.79	849	45	18,290	3.64	665	1-72		36	634	.05	31	45
91-34-5181	6372008	1421645	7-65	4	305	24,175	3.27	791	40	17,322	3.74	648	6-71		41	1,006	-.12	18	45
91-34-5181	6745306	1386406	1-67	3	305	26,060	3.60	937	52	17,300	3.72	643	11-71		42	1,276	.00	46	76
91-34-5181	7397644	010288790	6-67	2	305	22,755	3.76	856	51	17,850	3.63	648	1-71		38	808	.08	42	59
91-38-0027	6792123	1471445	3-67	3	305	21,100	3.79	799	14	16,453	3.74	615	11-71		42	783	.04	34	52
91-38-5030	5850188	1233005	4-63	6	305	21,333	3.58	764	13	15,932	3.70	590	3-71		44	884	-.02	29	51
91-38-5030	6634309	1429371	8-66	4	305	19,075	3.72	710	11	16,067	3.50	562	11-71		35	505	.09	32	42
91-38-5030	6861557	1429371	6-67	2	305	21,030	4.33	911	6	15,210	3.48	529	10-70		30	755	.19	56	69
91-38-5030	6861560	1429371	8-67	3	305	18,796	3.98	749	5	15,090	3.55	535	10-71		33	556	.13	39	49
91-38-5030	7302622	1429371	10-68	2	305	20,640	3.61	745	12	16,145	3.57	577	11-71		30	608	.07	32	45
91-38-5030	7606124	1422655	3-70	1	305	23,670	3.40	805	13	14,790	3.83	566	1-72		33	916	-.01	32	54
91-38-5052	6568518	1277619	7-64	5	305	21,236	3.39	719	18	15,020	3.63	545	3-72		44	950	-.07	24	48
91-40-0003	7091408	1261857	7-67	3	305	19,053	3.56	679	17	15,460	3.70	572	10-71		42	817	.04	35	53
91-42-0017	6194087	1416897	8-64	5	295	18,306	3.51	643	43	14,724	3.69	543	11-71		44	776	-.03	23	42
91-42-0017	6676819	1466645	8-66	4	303	19,648	3.29	647	38	15,075	3.69	556	11-71		40	920	-.09	20	44
91-42-0017	6936029	1261857	9-67	2	291	19,160	3.67	703	39	15,415	3.69	569	9-71		40	795	.05	37	54
91-42-0033	6572457	1462730	1-66	4	301	18,510	3.32	614	11	13,215	3.58	473	12-71		39	832	-.05	23	44
91-42-0083	6947903	1471445	10-67	1	305	21,140	3.60	761	13	15,640	3.60	563	1-72		35	664	.03	28	43
91-42-5016	7163513	1387978	7-68	2	266	23,845	3.00	715	17	19,330	3.53	682	1-72	B	40	912	-.10	18	42
91-42-5034	7345561	1471445	10-68	2	305	22,155	3.49	774	16	16,370	3.55	581	11-71		40	835	.02	33	52
91-42-5050	6561058	010219120	10-61	2	305	20,360	4.15	845	28	16,720	3.61	604	3-72		30	505	.11	34	43
91-42-5050	6796699	1383004	4-67	3	302	23,976	3.26	781	60	17,433	3.40	592	2-72		42	749	.05	35	51
91-42-5050	6848243	1471445	8-67	3	294	21,296	3.61	768	54	17,233	3.39	585	2-72		42	724	.05	34	50
91-42-5050	6872667	1506206	5-67	3	298	22,020	3.32	731	55	16,986	3.39	576	12-71		32	805	-.05	22	42
91-42-5050	7569097	1438535	7-69	1	305	22,580	3.19	720	53	16,040	3.47	556	8-71		34	861	-.01	30	51
91-42-5050	7606548	1438535	5-69	1	305	19,930	4.18	834	58	16,280	3.47	565	9-71		34	640	.10	38	51
91-42-5062	5034835	1090981	11-59	3	305	22,510	3.31	745	32	16,517	3.48	574	10-71		42	869	-.04	25	47
91-42-5062	6280649	1380550	8-64	5	303	22,304	3.67	818	27	16,792	3.47	582	6-71		44	667	.05	32	46
91-54-0085	6202341	1356103	12-64	3	305	23,907	3.40	814	22	17,077	3.66	625	10-71		36	1,069	-.06	29	56
91-54-0085	7403228	1422655	8-69	1	305	21,680	3.93	851	26	16,840	3.77	635	11-71		33	613	.05	30	43
91-54-0120	5610958	1343657	5-62	3	303	22,573	3.04	686	27	15,867	3.78	599	11-71		32	1,053	-.16	13	43
91-54-5004	6964835	1471445	3-67	2	305	20,615	3.24	668	34	15,185	3.56	540	3-71		40	787	-.02	26	45
91-54-5004	7105930	1471445	11-67	2	305	22,965	3.33	765	38	15,745	3.67	578	5-71		40	975	-.02	32	56
91-54-5004	7105931	1471445	11-67	2	305	22,730	3.32	755	36	15,715	3.64	572	5-71		40	954	-.02	32	55
91-54-5004	7105932	1471445	12-67	3	305	22,570	3.49	787	35	16,033	3.53	566	3-72		42	998	.01	38	61
91-54-5004	7105933	1471445	1-68	2	305	21,890	3.24	709	39	15,875	3.70	587	7-71		40	853	-.03	26	47
91-54-5072	6066597	1271075	8-63	6	297	18,928	3.66	693	27	15,283	3.56	544	7-71		44	876	.02	34	54
91-54-5072	6760201	1222994	10-66	3	301	21,590	3.59	775	74	17,587	3.54	622	9-71		42	761	.01	29	47
91-54-5072	6882108	1239242	9-67	2	305	23,030	3.66	842	85	17,860	3.58	640	3-71		40	720	.01	27	44
91-54-5072	6959228	1347940	12-67	1	305	23,590	3.35	791	69	18,030	3.63	654	8-70		36	960	-.03	30	54
91-54-5072	7058495	1347940	12-67	2	305	20,240	3.63	734	74	17,860	3.57	637	9-71		40	764	.00	28	46
91-54-5072	7070280	1347940	3-68	2	305	20,485	3.77	772	81	18,290	3.50	640	12-71		40	750	.03	32	49

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C D	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
91-54-5072	7070281	1347940	3-68	1	305	21,710	3.53	766	82	17,780	3.53	628	4-71		36	836	.00	30	$ 50
91-54-5072	7129076	1347940	2-68	1	305	21,510	3.61	777	77	18,210	3.44	627	10-71		36	793	.02	31	49
91-54-5072	7203512	1347940	11-68	1	303	21,490	3.29	708	77	17,200	3.56	613	7-71		36	859	-.03	27	48
91-54-5094	6582284	1293263	2-66	3	305	20,483	4.03	825	23	14,643	3.56	522	4-71		42	460	.12	34	42
91-54-5110	5689795	1380040	7-62	5	305	20,710	3.14	651	47	15,542	3.46	538	2-71		36	1,023	-.11	20	47
91-54-5110	5940020	1396355	12-63	5	305	22,058	3.18	702	23	15,078	3.48	524	9-71		39	1,291	-.09	32	65
91-54-5110	6097255	1396355	1-64	6	304	19,192	3.48	668	15	15,362	3.42	526	10-71		39	849	-.02	27	48
91-58-0060	6501364	1297472	5-65	5	291	19,100	3.75	716	22	14,754	3.69	545	10-71	B	44	627	.04	29	43
91-58-0095	6386173	1276654	5-65	4	305	21,260	3.37	716	40	15,818	3.63	574	1-72		44	814	-.04	23	44
91-58-0122	6823972	1277619	3-67	3	299	23,880	3.44	822	6	16,643	3.57	594	2-72		42	1,003	-.05	28	53
91-58-0197	6604846	1307195	7-66	4	305	20,280	3.46	702	23	15,340	3.63	557	4-72		43	791	-.02	26	45
91-58-0197	6626337	1315526	2-64	3	305	20,550	3.68	757	20	14,953	3.68	551	4-72		35	777	.00	28	47
91-58-0217	7165912	1427381	5-68	2	305	18,430	3.26	600	11	14,330	3.60	516	8-71		40	1,137	-.01	40	67
91-58-0220	7408235	1438535	4-69	1	305	17,490	3.92	686	11	14,080	3.64	512	8-71		34	604	.06	31	44
91-58-0221	6547298	1446791	8-65	3	271	20,620	3.07	634	16	14,310	3.39	485	7-71		33	1,028	-.08	24	51
91-58-0221	6614215	1307195	8-65	3	305	19,273	3.62	698	20	15,313	3.44	527	5-71		42	639	.03	28	42
91-58-0223	6776039	1261857	4-67	3	305	20,977	3.96	831	12	17,200	3.56	612	12-71		42	858	.12	49	66
91-58-5012	7123160	1458744	4-68	2	305	19,370	3.19	618	16	15,315	3.75	574	8-71		40	871	-.07	20	43
91-58-5046	6881701	1291498	12-65	3	305	26,010	3.51	912	7	19,373	3.80	737	10-71		42	956	-.06	25	49
91-58-5057	6377981	1297472	5-65	5	305	19,682	3.78	744	14	15,258	3.79	578	10-71		44	643	.04	29	43
91-58-5057	7088964	1385225	7-68	1	305	20,160	3.48	701	17	15,760	3.60	567	3-71		35	751	-.01	25	43
91-58-5057	7102824	1416897	3-67	3	305	19,526	4.08	797	15	15,363	3.89	597	11-71		42	812	.03	34	52
91-58-5057	7772145	1416897	4-69	1	305	23,210	3.57	829	19	15,200	3.86	586	8-71		35	959	-.04	29	53
91-58-5110	5596377	1385225	1-62	7	305	18,506	4.02	744	11	16,790	3.75	629	8-71		44	612	.05	29	42
91-58-5110	6069325	1339090	7-63	6	305	31,993	3.55	1137	11	17,197	3.77	648	2-72		35	2,640	-.02	92	155
91-58-5110	6590194	1474506	8-66	3	305	25,183	3.51	883	13	19,533	3.71	724	3-71		32	935	-.02	30	53
91-58-5110	6670570	1474506	11-66	3	305	21,890	3.81	835	10	18,110	3.79	686	11-71		32	660	.03	29	44
91-58-5110	6884401	1474506	10-67	2	305	22,450	4.32	970	12	18,330	3.68	674	7-71		29	644	.14	44	56
91-58-5110	7528723	1385225	1-70	1	305	27,930	3.54	988	8	19,190	3.74	718	4-72		35	1,104	-.02	36	63
91-58-5110	7950381	010288790	11-68	1	305	25,740	3.68	947	20	19,320	3.62	699	5-71		33	810	.08	41	58
91-58-5119	6834627	1451389	10-65	3	305	22,083	3.54	781	7	16,600	3.89	645	8-70		38	984	-.09	22	48
91-58-5132	6444893	1297472	10-64	5	305	19,914	3.83	763	44	14,876	3.65	543	9-71		44	719	.07	36	51
91-58-5132	6907623	1483722	7-67	3	301	23,000	2.76	634	50	15,270	3.71	566	10-71		33	1,286	-.21	13	50
91-58-5132	6977121	1483722	10-67	3	305	19,306	3.76	725	47	15,873	3.60	572	1-72		33	723	-.01	24	42
91-58-5132	7274454	1438535	12-68	2	207	21,060	3.41	719	45	16,505	3.49	576	2-72	B	38	820	.02	32	51
91-58-5132	7846433	010288790	7-67	2	305	20,940	3.50	732	55	16,395	3.50	574	1-72		38	755	.06	36	52
91-58-5198	6651891	1303502	12-64	3	279	22,370	3.67	820	20	17,263	3.72	643	7-71		42	707	.00	26	43
91-58-5198	7301574	1261857	5-67	2	248	22,365	3.61	808	31	18,245	3.60	656	2-72		40	862	.06	40	59
91-62-0009	6242164	1292829	9-64	4	305	23,585	3.32	783	78	17,793	3.58	637	2-71		44	869	-.06	22	44
91-62-0009	6747296	1261857	8-66	4	303	20,655	3.66	756	92	18,015	3.61	651	1-72		44	753	.06	36	52
91-62-0021	6876693	1261857	5-66	3	290	19,180	3.77	724	62	17,007	3.39	577	6-71		42	671	.10	40	53
91-62-0222	6905194	1386406	10-67	2	305	23,470	3.41	800	11	18,810	3.48	655	6-71		40	761	.00	27	45
91-62-5001	6474941	010270594	8-63	3	305	26,867	3.48	936	69	15,423	3.54	546	11-71		29	1,646	-.02	56	96
91-62-5001	7201894	1416897	8-68	2	301	21,140	3.38	714	63	16,320	3.57	582	1-72		40	838	-.04	24	45
91-62-5001	7447260	1392858	6-69	1	305	22,350	3.36	751	68	15,590	3.57	556	5-71		36	715	.01	27	44
91-62-5002	6230938	1321985	11-64	5	301	22,784	3.46	789	89	17,128	3.54	606	5-71		44	793	-.02	26	45
91-62-5002	6825428	1471445	2-67	3	296	19,563	3.58	701	111	15,910	3.61	575	10-71		42	661	.02	27	42
91-62-5002	6825430	1385225	3-67	3	305	20,953	3.12	654	105	15,953	3.55	567	3-72		42	971	-.07	24	49
91-62-5002	6922450	1471445	7-67	3	305	21,273	3.33	709	112	16,243	3.55	576	3-72		42	825	-.01	28	48
91-62-5002	6922453	1485378	8-67	3	301	22,333	3.16	706	106	16,100	3.56	573	3-72		37	1,047	-.06	28	55
91-62-5002	7176354	1357797	5-68	2	289	19,470	3.94	768	94	15,810	3.70	585	9-71		40	605	.13	41	52
91-62-5002	7176355	1357797	6-68	2	305	20,370	3.91	796	105	15,870	3.67	583	10-71		40	691	.13	44	57
91-62-5002	7176356	1357797	7-68	2	290	21,595	3.65	788	104	15,935	3.68	587	9-71		40	810	.09	43	60
91-62-5002	7176358	1347940	9-68	2	305	20,750	3.76	780	134	16,005	3.62	580	1-72		40	985	.02	38	61
91-62-5002	7176359	1347940	9-68	2	287	20,910	3.28	686	128	16,100	3.65	588	12-71		40	993	-.05	28	53
91-62-5002	7176360	1347940	9-68	1	305	22,050	3.43	756	133	16,240	3.57	579	11-70		36	965	-.02	32	55
91-62-5002	7272771	1347940	12-68	2	305	19,275	3.30	637	105	16,080	3.58	575	3-72		40	829	-.04	24	45
91-62-5002	7272772	1347940	1-69	1	305	18,700	3.53	660	98	16,510	3.49	577	3-71		36	697	.00	25	42
91-62-5002	7373658	1357797	4-69	1	305	22,790	3.82	871	120	15,990	3.64	582	2-72		35	757	.12	46	61
91-62-5002	7500591	1385225	12-69	1	305	21,840	3.37	737	91	16,040	3.67	589	3-72		35	859	-.03	26	47
91-62-5162	6927264	1465015	9-67	2	305	20,580	3.51	723	35	15,720	3.80	598	9-71		29	783	-.04	22	42
91-62-5165	5199138	1344679	11-60	5	305	24,570	3.46	849	18	16,926	3.53	597	3-71		44	731	.00	26	43
91-62-5209	6073468	1385225	9-63	2	197	19,860	3.78	751	33	15,985	3.63	581	4-72	B	40	795	.02	32	50
91-62-5209	6955564	1471445	7-67	3	275	18,933	3.93	745	32	16,033	3.57	572	12-71		42	575	.08	33	44
91-62-5220	6392731	1297472	6-65	4	302	21,040	3.41	717	30	15,783	3.43	541	1-72		43	728	.02	29	46
91-66-0019	4840585	1090981	10-58	7	305	18,921	3.45	652	27	13,897	3.68	511	5-71		44	792	-.04	22	42
91-68-5060	6642744	1458744	7-66	3	304	19,116	3.84	735	53	17,443	3.59	626	10-71		42	662	.03	29	44
91-68-5060	7070282	1347940	5-68	1	305	24,170	3.35	809	13	18,320	3.58	655	1-71		36	983	-.03	31	55
91-68-5060	7300242	1444935	10-67	2	305	24,065	3.51	845	28	19,315	3.56	688	12-71		35	782	-.02	25	44
91-68-5060	7300243	1444935	10-67	2	304	25,430	3.45	878	26	19,495	3.58	697	2-72	H	35	913	-.03	28	51
91-68-5060	7447258	1422655	7-69	1	305	23,690	3.68	871	35	18,850	3.60	678	9-71		33	629	.04	29	43
91-68-5060	7460745	1422655	6-69	1	305	26,750	3.47	928	36	20,230	3.50	709	11-71		33	773	.02	31	49
91-68-5060	7672567	010275932	2-70	1	305	26,640	3.60	958	25	20,040	3.50	701	3-72		36	665	.03	28	43
91-70-0002	7362904	1438535	6-69	1	305	17,740	3.73	661	18	14,070	3.53	497	1-72		34	624	.05	30	44
91-70-0005	6380123	1439164	3-65	5	302	17,592	3.71	653	20	13,918	3.61	503	6-71		39	658	.03	28	43
91-70-0030	6208965	1199324	9-64	5	300	15,936	3.70	590	25	13,446	3.57	480	10-71		44	739	.01	28	45
91-70-0030	7071752	1381871	2-68	2	305	20,120	3.73	750	26	13,860	3.51	486	4-72		40	506	.09	32	42
91-70-0043	6847042	1495881	5-67	2	305	19,755	3.83	757	13	13,435	3.54	475	9-71		37	1,122	.01	42	68
91-70-0043	7535586	1422655	8-69	1	305	18,960	4.07	771	21	14,430	3.78	545	8-71		33	570	.06	30	42
91-70-5030	7350531	1438535	5-69	1	305	17,380	3.99	693	25	13,530	3.51	475	8-71		34	634	.07	34	47
91-72-0032	6416518	1199324	11-65	2	305	15,840	4.06	643	14	13,465	3.94	530	10-71		40	694	.01	27	43
91-72-5020	5603619	1370898	4-62	6	299	19,860	3.67	728	72	15,965	3.44	549	4-71		35	665	.03	29	44
91-72-5020	6501274	1307195	11-65	3	305	19,597	4.02	788	88	16,703	3.50	584	10-71		42	531	.09	32	42
91-72-5020	6590182	1469741	7-66	4	303	23,245	4.11	955	101	17,327	3.47	602	11-71		34	916	.14	55	73
91-72-5020	6791302	1357033	12-66	4	305	22,375	3.71	829	77	17,440	3.37	587	4-72		44	639	.04	29	43

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C O	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOLLARS
91-72-5020	6893017	1478480	7-67	3	305	26,993	3.10	837	88	17,676	3.52	622	1-72		33	1,465	-.14	31	$ 70
91-72-5020	7225854	1422655	1-68	2	305	21,760	3.50	761	95	17,550	3.48	610	6-71		37	679	.02	28	44
91-72-5028	6625201	1467293	5-66	4	305	23,777	3.28	779	129	15,272	3.59	548	2-72		37	1,279	-.06	37	69
91-72-5028	7300265	1427381	1-69	1	305	19,050	3.73	710	78	15,050	3.52	530	10-71		36	1,070	.05	47	71
91-72-5028	7362343	1478014	12-67	2	304	19,490	3.84	749	66	15,335	3.53	542	11-71		40	689	.06	34	49
91-72-5028	7452159	1458744	3-69	1	305	27,910	2.69	750	38	14,930	3.44	514	7-71		36	1,450	-.12	34	72
91-74-0017	6382787	1297472	3-65	5	304	19,306	3.61	697	14	14,776	3.54	523	1-72		44	651	.04	30	44
91-74-0017	6478051	1440035	9-65	4	305	20,630	3.46	713	23	14,565	3.58	522	7-71		35	1,080	-.05	31	58
91-74-0017	6932379	1385225	7-67	2	305	17,965	3.46	622	23	14,435	3.65	527	8-71		40	744	-.02	24	42
91-74-0025	6082698	1385225	1-64	2	305	18,160	3.81	691	11	14,725	3.65	538	3-72		40	737	.02	30	47
91-74-0030	5331206	1228022	1-61	6	300	17,408	3.26	568	15	14,195	3.64	517	1-71		44	948	-.10	19	44
91-74-0169	6558702	1357743	5-66	3	305	21,820	3.99	870	14	16,270	3.79	616	6-71		42	764	.02	31	49
91-74-0169	6568062	1298430	7-66	3	287	24,180	3.44	833	13	15,907	3.78	601	5-71		42	804	-.05	22	42
91-74-0169	7430819	1427381	8-69	1	305	18,870	3.77	712	14	15,530	3.83	595	11-71		36	1,025	.04	43	66
91-74-0175	6558690	1330987	4-66	4	305	19,310	3.80	734	14	15,605	3.76	587	11-71		44	754	.04	34	51
91-74-0186	5009453	1153997	9-59	9	305	23,149	3.34	773	10	15,292	3.64	556	4-71		44	1,099	-.07	29	57
91-74-0217	6301956	1330987	3-65	3	304	17,620	3.67	646	16	14,837	3.59	533	2-72		42	614	.04	28	42
91-74-0217	6303248	1330987	4-65	1	305	18,280	4.80	877	17	15,090	3.51	529	1-71		36	561	.15	43	52
91-74-0221	6397096	1251271	11-65	3	302	21,687	3.66	793	12	16,710	3.81	636	3-71		42	786	-.03	24	43
91-74-0221	7222988	1471445	10-68	2	305	19,710	3.69	727	19	15,475	3.57	552	3-72		40	668	.05	31	46
91-74-0222	6017626	1330987	1-64	5	305	25,578	3.66	937	7	18,758	3.56	667	1-71		44	1,214	.05	52	79
91-74-5011	7381552	1416897	4-65	2	290	22,745	3.82	869	9	15,380	3.97	611	3-71	B	40	1,088	-.01	37	63
91-74-5047	6180767	1440035	8-64	3	305	22,353	3.27	730	45	15,970	3.86	617	10-71		33	1,086	-.12	20	49
91-74-5047	6645935	1307195	10-66	3	305	20,907	3.57	747	42	16,047	3.84	617	10-71		42	753	-.02	24	42
91-74-5140	7098963	1478014	7-68	2	224	18,615	4.20	781	20	15,665	3.71	581	1-72		40	570	.09	34	45
91-78-0132	7496922	1427381	9-69	1	305	22,640	3.14	711	24	17,380	3.52	611	9-71		36	1,181	.00	42	70
91-78-0140	6212349	1199324	6-64	5	305	18,912	3.73	706	53	16,746	3.62	607	1-72		44	740	.01	28	45
91-78-0140	6593479	1465678	6-66	3	305	19,890	3.67	729	53	15,870	3.64	577	1-71		38	893	.00	32	53
91-78-0140	6642745	1458744	8-66	3	305	18,573	3.61	671	40	16,170	3.53	571	4-71		42	732	.00	27	44
91-78-0140	6642747	1458744	9-66	3	305	19,426	3.55	689	37	15,736	3.58	563	8-71		42	875	-.01	30	51
91-78-0140	6642750	1458744	9-66	3	305	20,790	3.94	820	53	17,633	3.56	627	1-72		42	835	.05	38	56
91-78-0140	6642751	1458744	10-66	3	305	18,136	3.60	652	41	15,903	3.57	568	8-71		42	709	.00	25	42
91-78-0140	6642752	1458744	10-66	3	305	20,320	3.62	736	52	16,796	3.61	607	11-71		42	868	.00	31	52
91-78-0140	6844239	1383311	9-66	4	305	21,503	3.68	791	61	16,818	3.62	608	1-72		44	692	.01	26	42
91-78-0140	7165922	1428104	9-68	2	305	24,210	3.35	811	61	18,200	3.62	659	1-72		40	1,097	-.11	23	52
91-78-0140	7259331	1244009	9-68	2	305	25,140	3.67	922	56	18,110	3.62	655	1-72		40	1,171	-.03	38	67
91-78-0140	7434575	1347940	9-69	1	305	20,690	3.69	764	45	15,890	3.79	602	9-71		36	887	-.01	31	52
91-78-0149	6536012	1330987	12-65	2	301	17,975	3.47	624	7	13,795	3.79	523	5-71		40	717	.00	26	43
91-78-5153	6313585	1205185	1-65	5	302	22,302	3.19	711	95	16,030	3.54	567	3-71		38	882	-.06	23	46
92-02-5024	6092357	1395357	3-64	4	305	22,385	3.57	799	26	16,847	3.59	605	7-71		37	710	.00	25	42
92-02-5024	6553006	1263152	1-66	4	304	21,365	3.49	746	34	15,853	3.64	577	5-71		44	719	-.01	25	42
92-02-5024	7498807	1438535	6-69	1	305	21,910	3.59	787	23	16,950	3.74	634	4-72		34	746	.02	30	47
92-02-5024	7558203	1438535	11-69	1	305	20,270	3.81	773	28	16,350	3.83	627	10-71		34	661	.03	29	44
92-02-5024	7591857	1427615	3-70	1	305	22,910	3.45	791	49	16,850	3.80	640	2-72		36	959	-.12	16	42
92-03-0042	6766461	1251271	2-67	2	305	25,380	3.50	889	12	18,920	3.56	673	12-71		40	890	-.03	27	49
92-03-0042	7029370	1381871	8-67	3	305	25,670	3.40	873	13	17,293	3.50	606	2-72		42	886	.04	38	58
92-03-0042	7309242	1438535	2-69	1	305	19,030	3.85	733	13	15,960	3.68	588	8-71		34	593	.05	29	42
92-03-0042	7621987	1422655	11-69	1	305	27,850	3.10	863	12	19,370	3.54	686	1-72		33	921	-.03	28	51
92-03-0064	6002761	1244009	11-63	4	305	19,648	3.37	662	36	15,885	3.54	562	4-71		44	879	-.06	22	45
92-03-0064	6808313	1416897	4-67	3	305	18,523	4.09	758	46	16,433	3.52	578	1-72		42	583	.07	31	43
92-03-0133	7005191	1417208	2-68	2	305	25,060	3.36	843	19	17,920	3.58	641	9-71		40	1,147	-.03	37	65
92-06-0035	6505520	1299222	2-66	3	305	18,323	3.55	650	27	15,240	3.67	560	7-71		41	855	-.03	26	47
92-06-0035	7439572	1464901	10-69	1	305	17,460	4.36	762	29	14,650	3.62	530	8-71		33	849	.06	39	58
92-06-0035	7439574	1464901	12-69	1	305	18,360	3.71	681	40	15,780	3.73	588	11-71		33	840	-.02	28	48
92-06-0035	7460641	1464901	12-69	1	305	18,320	3.77	690	40	15,780	3.73	588	11-71		33	837	-.01	29	49
92-06-0035	7460642	1464901	12-69	1	305	18,430	4.16	767	44	16,060	3.72	597	1-72		33	826	.03	34	53
92-06-0035	7465008	1464901	12-69	1	305	19,200	3.52	675	40	15,780	3.73	588	11-71		33	906	-.03	28	50
92-06-0093	7108082	1396740	8-68	2	304	23,555	2.99	704	18	16,040	3.49	560	1-72		40	848	-.04	25	46
92-06-5049	5980721	1271075	11-63	6	305	20,323	3.33	676	14	17,058	3.59	613	10-71		44	849	-.05	23	45
92-06-5049	6528694	1297472	3-66	3	305	24,923	3.29	820	18	17,083	3.50	598	3-71		42	1,002	-.01	34	58
92-06-5049	7242285	1413165	11-67	2	305	25,335	3.15	798	18	16,905	3.45	583	3-71		40	1,212	-.14	22	55
92-10-0007	6662088	1282936	10-66	1	305	20,500	3.96	812	44	14,590	3.58	522	11-71		36	638	.03	28	42
92-13-0026	7272766	1485378	9-68	2	304	21,135	3.54	749	20	17,160	3.76	646	12-71		35	727	-.01	24	42
92-13-0026	7304069	1438535	3-69	1	305	22,350	4.13	924	18	17,560	3.76	660	8-71		34	737	.08	39	54
92-13-0062	6588900	1448282	4-66	3	305	21,580	3.09	666	111	14,110	3.66	516	11-71		33	1,045	-.10	22	50
92-13-0062	6799540	1458744	11-66	3	305	18,456	3.88	717	108	14,333	3.64	522	12-71		42	908	.03	37	58
92-13-0109	7113444	1458744	4-68	2	305	19,650	3.64	715	7	16,710	3.59	600	12-71		40	772	.00	28	46
92-13-0109	7475195	1451379	3-67	3	305	19,303	3.67	709	7	14,523	3.63	527	12-71		35	803	.01	30	49
92-16-0060	6624561	1451637	5-66	4	293	16,805	3.21	540	33	11,265	3.53	398	8-71		35	1,024	-.07	26	52
92-16-0060	6624564	1451637	7-66	3	299	19,870	3.04	604	20	13,013	3.52	458	4-71		33	1,178	-.10	27	58
92-16-5024	7617094	1385225	2-70	1	305	20,520	3.79	777	49	16,600	3.72	618	1-72		35	721	.01	27	44
92-18-0027	5947919	1271075	8-63	5	305	16,952	4.40	746	19	14,782	3.77	558	6-71		44	677	.10	39	52
92-18-0027	5947920	1271075	10-63	4	305	17,273	4.18	722	15	15,363	3.77	579	1-71		43	644	.06	32	46
92-18-0027	6785318	1261857	3-67	3	305	16,597	3.72	617	17	14,847	3.77	560	11-71		42	598	.05	29	42
92-18-0051	6287313	1235822	1-65	4	305	19,753	3.63	717	15	14,830	3.57	530	2-71		43	732	.03	31	48
92-18-0051	6898943	1485378	9-67	2	305	19,475	3.92	764	16	15,385	3.63	559	8-71		35	720	.05	34	50
92-20-0033	5922603	1378494	8-63	5	302	19,604	3.82	749	24	14,912	3.66	546	6-71		36	801	.04	35	53
92-20-0033	6385396	1437724	9-65	4	305	21,622	3.61	780	28	14,705	3.72	547	2-72		34	1,005	-.03	31	56
92-20-0065	5937208	1405628	5-63	4	284	18,695	3.63	679	8	13,840	3.53	488	4-71	H	41	641	.03	27	42
92-20-0065	6189857	1405628	7-64	3	305	18,830	3.58	674	6	13,220	3.57	472	4-71		39	685	.01	26	42
92-20-0103	6892558	1471445	8-67	3	305	15,940	4.39	700	33	13,263	3.81	505	1-72		42	516	.10	34	44
92-20-0103	7280165	1416897	10-68	1	305	23,190	3.82	887	23	13,820	3.99	551	3-72		35	1,051	-.01	36	61
92-20-0103	7509841	1520341	7-69	1	305	25,580	4.17	1067	30	13,450	3.96	532	2-72		29	1,140	.03	45	71
92-20-5100	7136947	1271557	7-68	2	305	25,910	3.28	851	42	17,375	3.55	616	11-71		40	1,009	-.11	19	46
92-20-5100	7439624	1399283	8-68	2	305	26,520	3.37	893	45	17,525	3.55	623	12-71		40	1,197	-.07	33	63

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C O	REPT (%)	.......C O W MILK (LB)	I N D E X....... FAT (%)	FAT (LB)	DOL-LARS
92-22-0021	6584795	1271075	4-65	5	305	18,504	4.22	780	19	16,458	3.44	566	8-71		44	682	.12	42	$ 55
92-22-5045	4514410	1060259	6-57	5	304	21,872	3.55	777	14	15,044	3.76	566	8-71		44	1,201	-.05	36	66
92-22-5045	6449684	1259069	8-65	4	305	21,498	3.64	782	17	16,125	3.67	592	11-71		44	816	-.02	26	46
92-22-5045	6530597	1271075	5-65	4	303	19,148	3.33	638	19	15,878	3.70	587	7-71		43	820	-.06	21	42
92-22-5045	6809350	1283917	6-66	4	304	22,275	3.49	777	20	16,112	3.68	593	1-72		44	986	-.09	22	48
92-23-0027	6258856	1136564	11-64	1	298	22,100	2.96	655	8	16,070	3.23	519	5-71		34	901	-.07	22	45
92-23-0027	7310493	1366011	3-69	1	293	19,400	3.24	629	10	15,330	3.18	488	8-71		33	697	.03	29	45
92-23-0046	5980726	1244009	11-63	5	305	21,378	3.71	794	29	16,642	3.59	597	1-72		44	1,031	-.01	36	61
92-23-0047	7591847	1438535	12-69	1	305	22,360	2.88	645	44	16,880	3.51	592	11-71		34	785	-.04	22	42
92-23-0081	7486452	1261857	9-68	2	305	19,870	2.81	558	8	16,035	3.41	547	1-72		40	811	-.03	24	44
92-23-0089	6241162	1271075	6-64	5	304	19,938	3.20	639	22	16,552	3.47	575	10-71		44	858	-.05	23	45
92-23-0089	6991604	1385225	12-67	2	305	19,975	3.41	682	33	16,150	3.54	572	10-71		40	791	-.02	26	45
92-23-0106	6310185	1322863	11-64	5	305	21,228	3.66	778	6	14,502	3.63	526	7-71		42	1,138	.00	41	68
92-23-0106	6505521	1330987	11-65	5	300	19,614	3.45	676	9	15,492	3.54	549	2-72		44	824	.02	32	51
92-23-0129	6834858	1261857	8-66	4	301	21,925	3.58	785	15	17,380	3.80	661	3-72		44	980	.02	39	62
92-27-0011	6580236	1409810	11-65	4	302	18,095	4.10	742	16	14,278	3.71	529	12-71		33	552	.08	32	43
92-27-0161	7137484	1477476	8-68	1	305	23,930	3.23	773	7	15,240	3.66	558	1-72		24	959	-.08	22	47
92-27-5030	5771572	1307195	11-62	4	305	17,733	4.00	709	33	14,478	3.58	519	6-71		43	570	.08	32	44
92-27-5030	6776081	1242221	1-67	3	305	19,237	3.98	766	44	14,497	3.73	541	11-71		41	1,169	.04	49	76
92-27-5030	6776082	1242221	1-67	3	305	19,543	4.05	792	45	14,653	3.73	547	12-71		41	1,188	.05	51	78
92-27-5030	6923243	1277619	6-67	2	305	23,900	3.24	775	46	15,165	3.92	594	11-71		40	1,044	-.11	20	48
92-27-5030	6927775	1242221	6-67	2	305	16,825	3.90	657	32	15,175	3.66	555	1-71		38	809	.03	33	52
92-27-5030	7070454	1499042	1-68	2	305	19,470	3.78	735	41	15,290	3.82	584	1-72		30	698	.01	27	43
92-27-5030	7070459	1477476	3-68	2	305	21,160	3.71	786	46	15,305	3.87	593	9-71		29	870	-.03	27	49
92-28-0047	5935244	1277619	8-63	6	304	21,400	3.41	730	6	14,847	3.53	524	12-71		44	991	-.06	27	52
93-04-9041	7284266	1507995	9-68	2	300	21,010	3.76	790	17	16,110	3.38	545	3-72		29	676	.06	34	48
93-04-9042	6591913	1437633	6-66	3	305	18,760	3.56	668	13	15,853	3.64	577	3-71		40	812	-.05	22	43
93-04-9042	6862010	1471748	4-67	3	299	20,590	3.48	716	8	15,187	3.72	565	7-71		32	819	-.02	26	46
93-07-0002	6705941	1222994	1-67	3	299	22,210	3.55	788	505	18,077	3.70	668	1-72		42	782	-.01	26	45
93-07-0002	7063080	1347940	2-68	2	296	22,495	3.52	791	434	17,450	3.64	636	5-71		40	1,030	-.02	34	59
93-10-0044	6835774	1261857	4-67	3	294	20,733	3.56	739	184	16,220	3.42	554	7-71		42	931	.07	44	64
93-10-0044	6862975	1261857	4-67	3	282	20,380	3.04	620	156	16,677	3.36	561	5-71		42	843	.00	30	50
93-10-0044	7055134	1473728	2-68	2	305	21,630	3.68	795	149	17,100	3.33	569	4-71		35	789	.06	38	55
93-10-0044	7341118	1484825	6-68	2	296	23,855	3.24	773	188	17,995	3.39	610	1-72		31	928	-.06	24	48
93-10-0140	7646118	1499581	8-69	1	295	25,430	3.13	797	6	18,830	3.47	654	11-71		30	1,210	-.03	39	69
93-10-0167	6629619	1237057	8-66	3	301	25,463	3.16	804	45	18,333	3.29	603	4-71		42	1,135	-.08	28	57
93-10-0167	6791769	1458744	10-66	2	305	23,535	3.11	732	39	19,675	3.30	649	6-71		40	895	-.05	25	48
93-10-0167	6893420	1347448	3-67	3	297	24,286	3.13	760	60	19,500	3.22	627	1-72		42	731	-.01	25	43
93-10-0167	7227995	1385225	1-69	1	305	25,270	3.93	993	39	20,600	3.31	681	6-71		35	808	.06	39	56
93-10-0167	7479658	1522634	5-69	1	305	28,520	2.45	700	73	19,800	3.32	657	12-71		26	1,385	-.23	14	53
93-10-0167	7488406	1458744	8-69	1	305	25,240	3.30	832	65	19,790	3.28	649	11-71		36	925	-.02	31	53
93-10-0207	6454679	1455386	9-65	4	295	24,945	2.92	728	17	17,017	3.44	585	1-72		37	1,223	-.17	18	52
93-10-0207	6603307	1401863	10-65	3	293	19,873	3.58	712	52	17,150	3.46	593	5-71		34	664	.03	29	44
93-10-0207	6834776	1503168	2-67	3	305	20,973	3.52	738	32	16,283	3.43	558	7-71		29	696	.01	27	43
93-10-0207	7126168	1495445	6-68	2	305	21,495	4.23	909	26	17,975	3.33	599	2-72		25	491	.16	41	48
93-10-0207	7307034	1499581	8-68	2	289	24,195	3.04	735	27	18,000	3.39	610	2-72		35	1,314	-.05	39	72
93-10-0283	6981106	1222994	6-66	4	304	23,550	3.32	783	112	18,835	3.58	675	3-72		44	895	-.04	26	48
93-10-9011	5785107	1299222	2-63	6	299	20,206	3.10	626	15	17,061	3.51	598	2-72		43	916	-.09	19	43
93-10-9011	6733839	1437633	10-66	2	299	23,290	3.46	806	20	17,710	3.58	634	11-71		38	1,088	-.06	30	58
93-10-9011	6757331	1437633	1-66	2	305	25,165	2.96	744	21	18,485	3.45	637	1-72		38	1,213	-.13	23	56
93-10-9011	6878549	1437633	1-67	2	302	21,315	3.33	710	15	16,055	3.59	576	9-70		38	1,037	-.07	26	53
93-10-9011	6953044	1437633	8-67	3	289	23,920	3.52	843	11	17,613	3.53	621	3-72		40	1,239	-.04	38	69
93-10-9011	7232462	1299222	5-68	2	300	18,150	4.46	809	18	16,285	3.69	601	8-71		38	712	.07	37	52
93-10-9018	5823504	1401863	1-63	4	305	21,688	3.87	839	101	18,053	3.40	613	1-72		35	829	.10	45	62
93-10-9018	5823508	1199324	2-63	4	305	22,055	3.37	744	103	18,238	3.39	619	2-72		44	955	-.02	31	54
93-10-9018	6062304	1237057	10-63	4	305	23,128	3.29	761	83	17,585	3.50	616	12-71		44	987	-.08	24	50
93-10-9018	6624233	1451134	7-66	4	300	21,922	3.48	762	80	17,575	3.50	615	12-71		35	790	-.02	25	44
93-10-9018	6706074	1429869	12-66	3	304	23,250	3.76	874	108	18,013	3.43	618	10-71		36	708	.08	38	53
93-10-9018	6971455	1483087	11-67	3	305	24,996	2.83	708	91	18,763	3.47	652	3-72		35	1,429	-.20	20	6[illegible]
93-10-9018	6971458	1483087	12-67	2	305	20,590	3.22	664	105	18,165	3.41	619	4-71		32	908	-.10	18	42
93-10-9018	6982413	1483087	1-68	2	305	22,700	3.39	769	109	18,150	3.42	621	4-71		32	1,152	-.07	30	60
93-10-9018	6982417	1483087	2-68	2	305	28,995	2.64	766	101	17,965	3.43	616	6-71		32	1,895	-.24	30	82
93-10-9018	6982418	1483087	2-68	2	305	25,910	2.97	770	105	18,165	3.41	619	4-71		32	1,520	-.16	30	71
93-10-9018	7057973	1483087	4-68	3	294	25,990	3.13	813	80	18,920	3.45	653	4-72		35	1,540	-.14	33	74
93-10-9018	7057974	1483087	4-68	2	304	22,245	3.12	693	89	17,800	3.38	601	6-71		32	1,136	-.12	23	53
93-10-9018	7057976	1483087	5-68	2	304	23,070	3.14	725	82	17,420	3.43	598	9-71		32	1,270	-.12	27	61
93-10-9018	7170263	1383004	9-68	1	305	24,840	3.54	879	74	16,260	3.33	541	11-70		36	610	.11	39	50
93-10-9018	7182783	1383004	10-68	1	305	25,400	3.26	828	86	17,170	3.33	571	1-71		36	591	.08	33	45
93-10-9018	7211082	1451134	11-68	2	301	30,795	3.21	989	89	19,295	3.50	675	2-72		30	1,555	-.09	42	82
93-10-9018	7229199	1406271	1-69	2	304	26,630	3.09	824	90	19,275	3.52	678	3-72		40	1,180	-.04	36	65
93-10-9018	7400493	1451134	4-69	1	305	25,050	3.90	978	92	20,030	3.59	719	1-72		24	635	.03	28	42
93-10-9018	7400509	1406271	6-69	1	305	21,310	4.39	935	92	19,720	3.63	715	12-71		36	566	.12	38	48
93-10-9032	6685627	1374023	7-65	5	302	22,300	2.95	658	82	15,420	3.53	544	1-72		35	1,085	-.13	19	48
93-10-9040	6023596	1430245	12-63	6	305	22,953	3.16	725	68	15,661	3.72	582	11-71		36	1,357	-.15	25	62
93-10-9040	6906223	1297472	7-66	3	302	21,810	3.53	770	82	15,593	3.73	581	9-71		42	796	.01	30	49
93-10-9040	7014001	1471445	8-67	2	305	20,470	3.62	742	107	15,900	3.72	591	6-71		40	706	.02	28	44
93-10-9040	7370140	1438535	7-69	1	299	22,140	3.60	797	76	15,620	3.75	586	10-71		34	856	.02	34	54
93-10-9040	7373866	1385225	6-69	1	305	22,880	3.40	779	59	16,300	3.60	586	3-72		35	919	-.03	29	52
93-10-9040	7633929	1438535	11-69	1	305	19,620	3.99	783	77	16,230	3.61	586	2-72		34	619	.07	33	46
93-10-9058	5492799	1199324	8-61	2	305	25,640	3.49	894	156	18,050	3.73	673	1-71		40	1,270	-.04	39	7[illegible]
93-10-9058	5910464	1415831	5-63	6	305	19,425	4.42	859	83	16,813	3.72	625	9-71		36	552	.15	43	52
93-10-9058	6247272	1199324	7-64	5	305	22,318	3.55	792	114	17,630	3.67	647	4-71		44	1,077	-.03	34	61
93-10-9058	6[illegible]35019	1415831	3-67	3	301	20,720	4.08	845	94	17,400	3.70	643	8-71		33	614	.09	35	47
93-10-9058	6[illegible]63075	1357743	12-67	1	305	27,560	3.52	970	127	18,390	3.75	689	7-71		36	828	-.05	23	44
93-10-9058	7635604	1426616	9-69	1	305	23,170	3.86	894	166	20,570	3.59	739	12-71		33	657	.03	28	43

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	TCO	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
93-10-9156	7077355	1414558	3-68	2	305	25,475	3.17	808	23	15,260	3.35	511	4-71		29	1,195	-.05	36	$ 66
93-10-9156	7132990	1491146	8-68	1	305	22,390	3.15	705	33	13,940	3.43	478	12-70		23	842	-.04	24	45
93-10-9175	5843998	1330259	9-62	5	293	21,506	4.38	941	92	17,790	3.54	629	7-71		36	934	.18	61	78
93-10-9175	5886321	1418050	10-63	4	305	22,997	3.70	852	118	18,587	3.54	658	12-70		39	766	.04	34	51
93-10-9175	5943357	1244009	10-63	5	305	22,202	3.34	742	98	18,158	3.56	647	5-71		44	961	-.08	23	48
93-10-9175	6145831	1271075	5-64	5	301	22,524	3.68	830	118	18,614	3.51	653	5-71		44	954	.03	39	61
93-10-9175	6171679	1242221	11-64	4	300	28,013	2.98	834	43	17,570	3.47	609	8-71		42	1,959	-.12	51	101
93-10-9175	6282415	1432243	2-64	5	305	24,858	3.08	765	101	17,804	3.57	636	3-71		39	1,077	-.12	21	50
93-10-9175	6282418	1242221	10-64	5	302	23,322	3.44	803	127	18,768	3.54	664	1-72		43	1,247	-.03	41	71
93-10-9175	6338889	1271075	10-64	5	304	21,514	3.51	756	102	17,900	3.55	635	8-71		44	906	-.01	31	53
93-10-9175	6568829	1418050	6-65	4	299	26,780	2.85	764	117	18,762	3.54	665	5-71		39	1,252	-.15	22	56
93-10-9175	6693999	1473728	8-65	4	305	23,955	3.35	802	109	18,782	3.54	664	2-71		39	991	-.03	31	55
93-10-9175	6694001	1473728	1-66	3	305	22,423	4.21	944	95	18,213	3.58	652	5-71		37	821	.13	50	66
93-10-9175	6734731	1473442	2-67	2	298	22,045	3.67	809	104	17,980	3.61	649	8-70		39	833	-.03	25	46
93-10-9175	6776268	1455386	1-67	2	305	28,030	2.85	799	100	17,735	3.65	647	9-71		33	1,314	-.19	17	54
93-10-9175	6868740	1473728	10-66	2	305	25,885	3.18	822	95	19,070	3.59	684	5-71		35	1,064	-.06	29	56
93-10-9175	6868741	1473728	10-66	3	305	22,983	3.74	860	98	18,850	3.62	682	1-72		37	819	.04	36	54
93-10-9175	6868751	1242221	9-66	3	305	20,957	3.60	755	114	19,243	3.64	700	11-71		41	866	.00	31	52
93-10-9175	6981108	1418050	7-67	2	305	22,570	3.94	890	110	19,105	3.59	686	11-71		35	564	.07	31	43
93-10-9175	6981136	1473728	3-67	2	305	23,660	3.60	851	85	18,290	3.61	660	10-70		35	895	.02	35	56
93-10-9175	6986094	1236721	1-67	2	305	28,155	3.41	959	110	19,115	3.60	689	11-71		36	1,398	-.04	44	76
93-10-9175	6987801	1418050	11-66	3	305	26,246	3.50	918	105	19,280	3.64	702	12-71		37	1,057	-.01	36	62
93-10-9175	7018791	1458744	1-68	2	305	20,065	4.02	807	101	18,375	3.62	666	10-71		40	662	.05	31	45
93-10-9175	7189460	1427381	7-68	2	301	23,530	3.83	901	122	20,890	3.63	759	1-72		40	1,055	.07	49	72
93-10-9175	7199726	1473728	2-67	3	305	22,500	4.29	966	86	18,760	3.62	680	3-72		37	768	.14	49	63
93-10-9175	7199727	1473728	2-67	2	305	23,245	3.88	902	100	19,540	3.56	695	2-71		35	724	.07	37	52
93-10-9175	7199736	1471968	7-67	2	305	23,605	3.98	940	110	19,430	3.58	695	5-71		34	756	.04	33	51
93-10-9175	7199737	1493435	5-67	3	299	25,203	3.28	827	117	20,166	3.61	727	1-72		34	993	-.10	20	46
93-10-9175	7199748	1473728	9-67	2	302	24,655	3.39	836	99	19,040	3.60	686	6-71		35	931	-.02	30	53
93-10-9175	7205261	1493435	2-68	2	305	25,945	3.25	842	101	19,430	3.57	694	5-71		32	1,077	-.10	23	51
93-10-9175	7239238	1427615	1-69	2	305	29,645	3.36	997	112	20,735	3.65	757	2-72		40	1,428	-.14	30	68
93-10-9175	7292349	1499581	10-68	1	305	33,180	3.36	1116	129	20,890	3.60	752	3-71		30	1,696	-.02	58	99
93-10-9175	7339558	1499581	12-68	2	296	23,915	3.85	921	121	20,375	3.65	744	12-71		35	1,046	.05	46	69
93-10-9175	7384359	1427615	2-69	1	305	27,280	3.28	894	119	19,380	3.71	719	11-71		36	1,114	-.14	18	49
93-10-9175	7486999	1418050	2-68	2	295	25,080	3.59	901	100	19,790	3.68	729	1-72		35	774	.00	28	45
93-10-9175	7505377	1499581	3-69	1	305	26,290	3.54	930	100	19,230	3.66	703	6-71		30	1,251	.01	46	75
93-10-9175	7505378	1406271	3-69	1	305	26,920	4.09	1102	107	19,290	3.67	707	6-71		36	1,013	.09	51	73
93-10-9175	7505380	1458744	1-69	1	305	28,140	4.01	1128	116	20,820	3.62	753	4-71		36	1,172	.05	46	7
93-10-9175	7505385	1471968	3-68	2	301	24,035	3.64	875	96	19,240	3.70	711	11-71		34	823	-.04	24	45
93-10-9175	7518820	1347940	7-69	1	305	25,230	3.23	814	107	20,460	3.71	759	2-72		36	919	-.05	25	48
93-10-9175	7532257	1499581	6-68	1	305	31,400	3.32	1044	108	20,980	3.59	753	1-71		30	1,543	-.02	52	89
93-10-9175	7532260	1473728	6-68	1	305	24,360	3.85	939	120	20,920	3.59	751	3-71		30	611	.05	30	43
93-10-9175	7536210	1493435	6-69	1	302	26,170	3.50	917	111	20,710	3.63	752	4-71		26	815	-.06	21	42
93-10-9175	7536212	1493435	6-69	1	305	24,700	3.73	921	114	19,410	3.71	720	11-71		26	789	-.04	23	43
93-10-9175	7536215	1499581	8-69	1	305	22,620	3.53	798	92	20,740	3.68	763	3-72		30	836	.01	31	51
93-10-9175	7536217	1458744	5-69	1	290	23,910	3.65	873	108	18,520	3.70	685	10-71		36	911	-.01	32	54
93-10-9175	7536222	1473728	5-68	2	298	24,815	3.87	961	113	20,690	3.62	750	1-72		35	784	.06	38	55
93-10-9175	7591316	1499581	8-68	1	305	24,510	4.35	1066	97	19,850	3.63	720	5-71		30	1,058	.12	56	78
93-10-9175	7628461	1399824	11-69	1	305	25,760	3.80	978	105	20,500	3.69	757	2-72		36	783	.04	34	57
93-10-9175	7628469	1473728	9-68	2	294	26,805	3.37	902	99	20,600	3.63	748	2-72		35	1,013	-.03	32	57
93-10-9175	7700927	1515207	8-68	1	305	24,610	3.69	908	115	21,120	3.59	758	2-71		26	968	.03	40	62
93-10-9175	7773682	1499581	4-69	1	305	21,830	3.99	870	94	17,490	3.71	649	8-71		30	1,012	.06	45	66
93-10-9278	5373577	1199324	4-61	5	305	24,656	3.48	858	50	18,346	3.52	645	1-72		44	1,295	-.02	43	74
93-10-9278	5431497	1199324	8-61	5	305	23,826	3.59	855	53	17,344	3.55	615	3-71		44	1,304	-.01	46	77
93-10-9278	5683749	1199324	2-62	5	305	20,320	3.64	739	59	17,354	3.57	619	11-71		44	551	.00	31	51
93-10-9278	6250731	1271075	10-64	4	305	22,720	3.77	857	64	17,365	3.44	597	5-71		43	1,198	.05	47	72
93-10-9278	6461693	1242221	12-65	4	305	23,218	3.37	782	79	16,935	3.51	595	5-71		42	1,423	-.03	46	61
93-10-9278	6605100	1438080	7-66	3	305	23,656	3.01	711	55	17,253	3.40	586	9-71		40	1,246	-.09	31	63
93-10-9278	6646985	1199324	12-65	3	304	19,630	3.60	706	82	17,270	3.46	598	5-71		42	751	.01	28	46
93-10-9278	6656081	1341571	5-66	2	305	20,860	3.97	828	88	17,675	3.50	619	4-71		32	532	.14	40	49
93-10-9278	6731857	1438080	10-66	3	255	19,810	3.61	715	60	17,333	3.36	582	7-71	8	40	777	.02	31	49
93-10-9278	6811763	1154946	3-67	2	305	25,315	3.26	825	65	17,255	3.43	591	2-71		40	1,015	-.06	27	53
93-10-9278	6860371	1330987	9-66	3	305	21,853	3.98	870	75	16,490	3.54	583	10-71		42	930	.10	49	63
93-10-9278	6918851	1474567	2-67	3	305	22,903	3.51	803	78	18,086	3.50	633	3-72		32	808	.01	30	49
93-10-9278	6976505	1347940	10-67	2	297	20,110	3.67	739	54	17,750	3.54	629	12-70		40	761	.02	30	43
93-10-9278	6990493	1478410	2-68	2	305	22,065	3.71	818	84	16,680	3.50	584	9-71		32	792	.07	39	56
93-10-9278	7009455	1347940	11-67	2	305	23,105	3.45	796	69	17,630	3.36	593	8-71		40	1,076	.00	39	65
93-10-9278	7169445	1347940	7-68	1	305	21,770	3.25	707	86	17,310	3.47	600	8-71		36	872	-.03	27	49
93-10-9278	7195224	1347940	9-68	1	305	21,840	3.31	723	98	19,150	3.49	669	12-71		36	754	-.02	24	43
93-10-9278	7246169	1347940	1-69	1	285	20,370	3.52	718	95	17,620	3.42	602	7-71		36	747	.01	28	46
93-10-9278	7292415	1347940	3-69	1	305	22,960	3.46	794	86	17,310	3.47	600	8-71		36	961	.00	34	57
93-10-9278	7305844	1386406	5-69	1	305	24,180	3.85	930	85	17,970	3.52	632	10-71		36	748	.05	35	51
93-10-9278	7351977	1392858	5-69	1	305	23,760	3.80	903	112	19,380	3.46	671	1-72		36	566	.06	30	42
93-10-9278	7361974	1427615	6-69	1	305	25,730	3.24	834	46	19,340	3.47	672	4-72		36	1,002	-.12	17	44
93-10-9278	7396813	1427615	7-69	1	305	24,700	3.52	869	103	19,050	3.50	666	12-71		36	944	-.09	20	45
93-10-9278	7433674	1392858	6-69	1	305	26,850	3.18	854	112	19,380	3.46	671	1-72		36	796	-.01	27	46
93-10-9278	7536780	1427615	10-69	1	305	24,540	3.58	879	46	19,340	3.47	672	4-72		36	913	-.08	20	44
93-10-9278	7555865	1399824	10-69	1	305	23,450	3.48	815	114	19,440	3.47	674	1-72		36	682	.02	27	43
93-10-9278	7555868	1427615	9-69	1	305	28,240	3.07	867	73	19,830	3.46	687	3-72		36	1,156	-.15	19	51
93-11-0200	7547697	1341571	10-69	1	305	23,570	3.52	829	6	17,690	3.62	640	3-72		27	668	.06	33	47
93-11-9001	6118606	1384640	12-63	5	305	23,496	3.46	814	13	18,298	3.68	674	5-71		36	965	-.03	30	54
93-11-9001	6452078	1470404	9-65	4	305	22,180	3.76	835	15	18,195	3.68	670	10-71		30	664	.03	28	43
93-11-9001	6840899	1447918	2-67	2	305	22,350	3.51	785	13	17,325	3.64	631	3-71		31	866	-.04	25	47
93-11-9001	6959942	1447918	9-67	2	305	21,900	3.45	756	9	17,020	3.73	634	5-71		31	846	-.06	21	43
93-11-9001	7011805	1485378	9-67	2	305	22,125	3.48	770	13	18,315	3.63	665	11-71		35	722	-.01	24	42

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C D	REPT (%)	.......C O W MILK (LB)	I N D E X....... FAT (%)	FAT (LB)	DOL-LARS
93-11-9001	7077477	1447918	4-68	1	305	28,790	3.42	985	14	16,810	3.63	610	3-71		26	1,325	-.05	40	$ 73
93-11-9001	7128916	1447918	6-68	2	305	24,135	3.51	846	12	16,895	3.63	613	2-72		31	1,121	-.04	34	62
93-11-9039	5195795	1339965	7-60	7	305	19,560	3.35	655	42	14,974	3.47	520	5-71		35	804	-.03	24	44
93-11-9039	6230765	1381711	11-64	4	305	20,015	3.47	695	48	15,175	3.47	527	5-71		35	797	-.01	27	46
93-11-9039	6412112	1447918	9-65	4	305	19,398	3.65	708	46	15,378	3.44	529	10-71		35	810	.01	31	50
93-11-9039	6642985	1315612	8-66	3	305	23,013	3.45	795	47	16,123	3.41	550	4-71		42	775	.01	29	47
93-11-9039	7262534	1438535	1-69	1	305	18,800	3.97	747	69	16,440	3.47	570	6-71		34	542	.08	31	42
93-12-0057	6823471	1413165	4-67	2	305	22,820	3.62	826	7	15,145	3.97	601	1-71		40	1,118	-.11	24	54
93-15-0057	6316462	1222994	7-64	5	295	20,296	4.24	860	11	18,232	3.58	652	1-71		44	571	.12	38	48
93-15-0057	6696564	1330424	10-66	2	292	19,695	3.91	770	22	17,265	3.53	610	7-71		31	638	.05	31	45
93-15-0057	6741099	1330424	11-66	3	305	22,580	3.19	720	23	16,680	3.47	579	9-71		34	1,112	-.07	30	58
93-15-0084	6122081	1276654	5-64	4	271	23,760	3.70	878	128	19,640	3.53	693	11-71		44	698	.03	29	45
93-15-0084	6730490	1438080	11-66	2	305	23,180	3.33	771	11	18,060	3.39	613	12-71		38	1,043	-.03	33	59
93-15-0087	6356478	1299222	7-65	3	305	20,313	3.37	685	36	17,470	3.45	602	8-70		41	853	-.04	25	46
93-15-0087	6356479	1299222	7-65	2	305	28,085	2.91	818	35	18,015	3.50	630	9-70		38	1,588	-.13	36	78
93-15-0087	6769360	1458744	1-67	1	305	24,890	2.85	710	38	17,580	3.44	605	8-70		36	1,047	-.08	25	52
93-15-0089	5894572	1136564	7-63	4	291	19,790	3.72	737	158	16,850	3.53	595	3-71		42	779	.01	29	47
93-15-0089	6272784	1322863	2-65	5	293	21,818	3.31	722	160	17,284	3.38	585	5-71		42	878	-.04	26	48
93-15-0089	6551504	1437633	3-66	4	300	21,775	3.27	711	169	17,915	3.34	599	1-72		41	976	-.06	26	51
93-15-0089	6810260	1437633	4-67	3	294	22,020	3.31	729	172	16,913	3.38	571	6-71		40	1,088	-.06	30	56
93-15-0089	6974738	1357743	7-67	3	305	23,750	3.13	743	81	17,283	3.36	581	3-72		42	881	-.08	20	43
93-15-0089	7116005	1299222	7-67	3	305	21,560	3.32	715	143	18,046	3.34	602	1-72		41	940	-.03	29	
93-15-0089	7327570	1424716	3-68	2	303	22,440	3.34	749	190	17,185	3.40	584	8-71		35	811	-.05	21	
93-15-0089	7347333	1450228	4-69	1	305	18,730	3.55	664	139	16,560	3.36	556	7-71		35	762	-.02	25	[illegible]
93-15-0089	7594630	1299222	9-69	1	305	22,920	3.22	737	128	17,640	3.16	558	1-72		34	963	-.03	30	54
93-16-0171	6982397	1499581	9-67	2	305	20,805	4.08	848	7	16,165	3.71	599	6-71		35	1,121	.08	53	77
93-16-0171	6982398	1499581	10-67	2	305	19,305	3.90	753	10	15,860	3.73	592	8-71		35	965	.05	43	65
93-16-0171	7382000	1499581	11-67	2	305	18,700	3.65	682	9	16,780	3.65	613	6-71		35	826	.02	33	52
93-16-0171	7423443	1347940	8-69	1	305	21,920	3.93	862	19	17,260	3.73	644	8-71		36	887	.03	36	56
93-16-0171	7647734	1499581	12-68	1	305	21,510	3.38	726	9	16,810	3.75	630	7-71		30	1,036	-.02	35	[illegible]
93-16-9001	6218330	1222994	12-64	5	303	19,808	3.28	650	47	14,806	3.50	518	10-71		44	905	-.04	27	[illegible]
93-16-9001	6251131	1192713	11-64	5	294	21,834	3.38	738	45	14,866	3.49	519	11-71		44	1,115	-.03	3[illegible]	
93-16-9001	6655329	1460787	8-66	2	279	20,085	3.47	696	31	15,985	3.42	546	11-70	B	34	793	-.02	2[illegible]	[illegible]
93-16-9010	5319598	1339436	8-60	5	305	20,496	3.38	693	75	16,118	3.43	553	10-71		36	806	-.03	24	[illegible]
93-16-9010	6176628	1367977	8-64	4	295	22,243	3.07	682	77	16,490	3.43	565	7-71		34	944	-.12	16	42
93-16-9010	6421011	1377075	11-64	4	305	21,967	3.50	769	64	16,820	3.40	572	8-71		35	732	.03	31	45
93-16-9010	6874765	1339436	1-67	3	305	21,506	3.40	732	65	16,523	3.52	581	10-71		33	827	-.04	23	44
93-16-9010	7038594	1405643	4-67	3	305	21,733	3.31	719	73	17,336	3.40	590	3-72		32	831	-.03	25	46
93-16-9010	7046244	1405643	12-67	2	305	19,955	3.59	717	84	16,500	3.39	560	8-71		29	643	.03	27	42
93-16-9010	7135106	1339436	6-68	2	305	22,475	3.30	742	78	17,095	3.46	592	1-72		30	806	-.05	21	42
93-16-9010	7232365	1522634	7-68	1	305	22,070	3.29	725	81	17,130	3.33	570	3-71		26	1,033	-.09	23	5[illegible]
93-16-9010	7455032	1522634	10-68	1	305	19,260	3.80	732	68	16,850	3.35	565	4-71		26	810	-.03	24	44
93-16-9010	7455038	1522634	11-68	1	305	22,730	3.19	724	85	16,120	3.41	550	7-71		26	1,169	-.11	25	56
93-16-9010	7455043	1522634	12-68	1	305	20,590	3.26	672	95	15,770	3.42	540	8-71		26	1,011	-.10	21	48
93-16-9010	7455045	1522634	12-68	1	305	20,650	3.24	669	85	16,120	3.41	550	7-71		26	988	-.10	2[illegible]	46
93-16-9010	7479661	1522634	6-69	1	305	21,800	3.36	733	105	16,250	3.48	565	12-71		26	1,078	-.10	24	52
93-16-9010	7920778	1537241	10-69	1	305	24,780	3.14	779	58	17,500	3.43	601	3-72		23	882	-.06	22	45
93-16-9011	6735670	1432243	7-66	3	305	23,623	3.75	887	33	17,986	3.60	647	1-72		36	784	.03	33	5[illegible]
93-16-9011	6892600	1478283	5-67	3	305	23,323	3.65	851	49	17,046	3.61	616	11-71		34	1,044	.00	33	6[illegible]
93-16-9011	6931022	010288790	7-67	3	305	22,216	3.50	777	48	17,190	3.60	619	12-71		40	879	.04	3[illegible]	[illegible]
93-16-9011	7192071	1393997	12-66	3	305	21,510	3.68	791	42	18,756	3.59	673	4-71		42	649	.03	2[illegible]	[illegible]
93-16-9011	7256705	1423926	9-68	2	304	22,700	3.51	796	52	16,640	3.64	606	10-71		38	826	-.04	[illegible]	[illegible]
93-16-9050	6252003	1242221	12-64	5	304	21,482	3.52	756	36	18,216	3.60	655	4-71		43	1,069	-.02		[illegible]
93-16-9050	6288776	1330987	2-65	3	302	20,070	4.05	813	29	16,807	3.71	623	12-71		42	692	.09	[illegible]	[illegible]
93-16-9050	6917150	1413165	9-67	2	305	26,555	2.94	781	18	19,645	3.47	681	3-71		40	1,386	-.13	12	[illegible]
93-16-9166	6580525	1418050	8-65	4	297	23,060	3.55	819	25	17,525	3.56	624	5-71		39	902	.01	34	55
93-16-9166	6689920	1460787	12-66	3	305	24,473	3.35	821	24	17,990	3.46	622	1-72		36	1,171	-.05	35	64
93-16-9166	6744508	1460787	12-66	3	305	22,323	3.17	707	24	17,806	3.47	618	2-72		36	918	-.08	21	45
93-16-9166	7027817	1484825	2-68	2	304	25,910	3.20	828	20	18,295	3.41	623	2-72		31	1,137	-.07	30	54
93-16-9166	7027830	1484825	2-68	2	305	23,370	3.23	756	18	17,735	3.47	616	12-71		31	899	-.07	22	45
93-19-9165	4659723	1113350	8-57	6	305	23,837	3.67	876	153	18,777	3.60	676	1-71		44	697	.01	27	43
93-20-0061	6761374	1478014	11-66	3	305	19,687	4.40	867	385	17,813	3.35	597	1-72		42	505	.18	45	52
93-20-0061	6918546	1478014	8-67	2	292	20,610	3.69	761	557	17,885	3.30	591	6-71		40	569	.[illegible]	31	43
93-20-9038	5152566	1189870	9-60	5	291	21,770	3.76	818	67	16,352	3.61	590	10-71		44	921	.04	39	6[illegible]
93-20-9038	6197561	1430516	8-64	5	305	22,394	3.91	875	59	17,958	3.47	624	6-71		36	815	.08	41	56
93-20-9038	6335574	1347940	2-65	5	305	20,636	3.79	782	28	17,698	3.58	633	9-71		44	875	.04	37	57
93-20-9038	6658682	1416772	12-65	4	305	21,742	3.19	693	33	17,065	3.54	604	12-71		35	925	-.09	20	44
93-20-9038	6766643	1468034	9-66	3	305	25,846	3.17	820	51	18,476	3.42	631	3-72		42	840	-.05	22	43
93-20-9038	6918693	1416772	6-66	3	305	22,146	3.46	767	54	18,040	3.46	624	4-71		33	818	-.02	26	46
93-20-9038	6918696	1501324	4-67	3	305	25,623	3.19	817	58	17,636	3.53	622	10-71		32	1,131	-.08	28	57
93-21-0009	5752427	1284716	12-62	2	305	25,560	2.99	764	25	17,670	3.34	590	1-72		40	952	-.12	16	42
93-21-0009	7018000	1387978	10-67	2	305	19,885	3.77	750	11	17,535	3.44	603	4-71		40	674	.03	29	44
93-21-0019	6212655	1420402	6-64	3	305	23,063	3.43	791	68	17,843	3.61	645	4-72		32	819	-.04	23	44
93-21-0019	7568692	1242221	1-70	1	305	21,210	3.74	793	31	17,730	3.69	655	2-72		34	965	.01	36	59
93-21-0130	7393607	1454498	7-69	1	305	25,610	3.49	895	18	18,090	3.71	672	2-72		25	762	.02	30	48
93-21-9062	7300208	1458744	8-67	2	305	19,850	3.42	678	92	16,465	3.55	584	6-71		40	814	-.02	26	40
93-21-9062	7348648	1458744	3-68	2	305	19,765	3.42	675	83	16,835	3.58	602	7-71		40	772	-.03	24	43
93-21-9062	7410896	1406271	3-69	1	305	22,630	3.38	766	83	17,360	3.69	641	8-71		36	823	.01	31	5[illegible]
93-21-9122	5564596	1360617	1-62	7	305	20,424	3.83	783	23	16,116	3.77	608	4-71		35	706	.04	31	47
93-23-9009	6477719	1244009	8-65	4	305	20,320	3.84	781	60	17,638	3.67	648	6-71		44	767	.00	27	45
93-23-9009	6819981	1239242	2-67	2	297	21,805	3.74	815	67	16,775	3.74	628	1-71		40	694	.00	25	42
93-23-9009	7208519	1496424	6-68	2	305	21,795	4.17	908	58	18,240	3.70	675	4-71		30	619	.10	37	49
93-23-9009	7208525	1388586	7-68	1	305	25,940	3.67	951	57	18,330	3.75	688	5-71		35	906	-.08	21	45
93-23-9009	7208527	1388586	9-68	1	305	28,460	3.27	932	57	18,330	3.75	688	5-71		35	1,099	-.13	20	5[illegible]
93-24-0001	7295760	1458744	1-69	1	305	29,910	3.08	921	18	20,350	3.61	734	6-71		36	1,235	-.08	32	64

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C D	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
93-24-0001	7612625	1495447	1-70	1	305	30,460	3.56	1085	33	23,080	3.37	778	2-72		32	649	.04	30	$ 44
93-24-0029	6395881	1389915	8-65	3	301	20,150	3.21	647	101	16,130	3.35	541	4-71		40	854	-.06	21	43
93-24-0029	6395888	1367794	8-65	3	305	20,847	3.38	705	94	16,030	3.37	541	5-71		32	786	-.02	25	44
93-24-0029	6673310	1424203	7-66	1	305	23,190	3.65	847	75	16,790	3.48	585	10-71		24	657	.04	29	44
93-24-0031	6370588	1388586	8-65	3	305	24,180	3.14	759	90	18,396	3.42	630	7-71		41	988	-.12	17	44
93-24-0031	6540231	1388586	3-66	4	305	23,195	3.36	779	102	18,335	3.40	624	11-71		42	922	-.08	21	45
93-24-0031	6865458	1467281	7-67	2	305	25,315	3.19	808	155	19,060	3.35	638	1-71		29	848	-.04	24	45
93-24-0031	6865463	1470009	7-67	3	305	22,593	3.47	784	189	18,810	3.35	630	11-71		32	670	.03	29	44
93-24-0031	6947659	1470009	7-67	3	305	24,806	3.15	782	189	18,810	3.35	630	11-71		32	973	-.04	29	53
93-24-0031	6947668	1388586	12-67	2	305	26,980	3.12	841	137	19,490	3.34	650	3-71		39	1,103	-.12	21	51
93-24-0031	6999759	1470009	1-68	2	305	23,320	3.40	792	144	18,935	3.35	635	5-71		29	684	.02	28	44
93-24-0031	7059205	1388586	4-68	2	305	24,555	3.15	773	124	18,155	3.42	620	7-71		39	977	-.12	17	44
93-24-0031	7179367	1458744	8-68	2	305	24,855	3.33	827	188	19,455	3.37	656	12-71		40	1,049	-.02	34	60
93-24-0031	7179385	1470009	11-68	2	302	25,970	3.10	806	200	19,525	3.35	654	2-72		29	940	-.04	27	51
93-24-0031	7486082	1387978	10-69	1	305	23,680	3.37	797	209	19,970	3.37	673	12-71		36	747	-.01	25	43
93-24-0031	7607900	1481962	2-70	1	164	26,830	3.18	852	140	20,190	3.36	678	3-72	B	28	951	-.03	30	53
93-24-0074	5904273	1199324	5-63	3	305	23,613	3.23	762	39	18,993	3.52	668	2-71		42	1,031	-.07	27	53
93-24-0074	6430948	1437633	8-65	3	305	23,500	3.30	776	50	20,170	3.46	697	8-71		40	914	-.07	22	46
93-24-0074	6538790	1406271	3-66	4	301	21,013	3.64	765	57	19,145	3.49	669	7-71		44	652	.06	32	46
93-24-0074	6641010	1437633	10-66	3	305	23,090	3.64	841	51	20,656	3.46	714	3-72		40	813	-.01	28	48
93-24-0074	6811553	1410984	2-67	3	305	25,223	3.85	972	66	19,536	3.49	682	10-71		42	582	.09	35	46
93-24-0074	6827255	1458744	1-67	3	299	26,310	3.23	850	67	19,396	3.51	681	10-71		42	1,287	-.07	36	69
93-24-0074	7485572	1347940	9-69	1	305	25,620	3.44	882	94	21,840	3.42	747	1-72		36	855	.00	31	51
93-24-0161	6775320	1425137	4-66	3	305	19,750	3.35	662	67	12,087	3.66	442	9-71		42	898	-.05	25	48
93-24-0233	7088523	1435690	2-68	2	305	22,870	4.09	936	42	18,530	3.54	656	12-71		40	485	.14	39	47
93-24-0233	7317568	1366011	12-68	1	305	21,190	3.55	752	44	18,130	3.56	646	5-71		33	640	.03	28	42
93-24-0315	6734729	1473442	1-67	3	299	19,823	3.41	676	27	16,473	3.35	552	7-71		41	777	-.04	22	42
93-24-0353	7381243	1347940	6-69	1	305	23,630	3.34	789	23	21,510	3.40	732	8-71		36	729	-.01	25	43
93-24-0411	6079300	1271075	7-63	2	305	21,160	3.62	765	80	17,420	3.52	614	3-71		40	830	.01	31	51
93-24-0411	6690720	1237057	1-66	2	300	21,000	3.69	774	69	16,565	3.59	595	6-71		40	751	-.02	24	42
93-24-0411	6800452	1471993	5-66	3	305	21,503	3.64	782	77	16,887	3.61	609	10-71		29	594	.01	26	42
93-24-0411	6852284	1500847	3-67	3	305	19,836	3.69	731	56	16,476	3.53	581	7-71		32	653	.02	27	42
93-24-0411	6852285	1500847	3-67	2	305	22,650	3.85	871	79	16,805	3.56	598	9-71		29	910	.05	40	6.
93-24-0411	6852289	1500847	3-67	3	305	22,743	3.37	767	61	17,410	3.57	621	2-72		32	935	-.04	27	5
93-24-0411	6852290	1500847	3-67	3	305	22,406	3.49	781	62	17,630	3.53	623	2-72		32	862	-.01	29	5
93-24-0411	6891737	1500847	5-67	2	303	21,715	3.53	766	70	16,385	3.55	582	6-71		29	842	-.01	29	49
93-24-0411	6893025	1500847	5-67	2	305	23,520	3.40	800	79	17,770	3.55	630	12-71		29	910	-.03	28	51
93-24-0411	6893639	1467291	1-67	2	305	20,830	3.74	779	96	17,515	3.57	626	1-71		32	618	.04	29	43
93-24-0411	7206558	1398216	9-68	2	305	25,275	3.29	832	79	18,305	3.54	648	2-72		40	1,091	-.09	26	54
93-24-0411	7219300	1398216	9-68	2	305	23,965	3.38	809	70	18,330	3.52	646	3-72		40	956	-.07	24	49
93-24-0411	7327942	1398216	11-68	1	305	24,860	3.18	790	78	17,300	3.55	615	3-71		36	951	-.09	21	46
93-24-0411	7440337	1330987	5-69	1	300	20,900	4.02	841	97	17,420	3.59	625	9-71		36	600	.08	34	40
93-24-0411	7455111	1330987	5-69	1	305	21,990	3.53	777	97	17,420	3.59	625	9-71		36	681	.03	29	44
93-24-0447	6088902	1244009	6-64	5	305	22,664	3.35	760	11	17,612	3.55	625	5-71		44	1,084	-.07	28	56
93-24-0447	6408790	1271075	12-65	4	300	21,188	3.34	708	15	16,595	3.66	608	8-71		43	993	-.06	27	52
93-24-0552	6053386	1237057	2-64	6	300	21,832	3.30	721	53	16,738	3.69	617	10-71		44	947	-.10	19	44
93-24-0552	6139589	1237057	6-64	5	301	22,432	3.57	801	64	16,852	3.70	624	3-71		44	1,011	-.05	29	54
93-24-0552	6413388	1382418	7-65	4	303	23,780	3.10	737	54	17,673	3.66	646	12-71		37	1,127	-.16	16	47
93-24-0552	6525343	1410237	11-65	4	305	23,322	3.72	868	49	17,462	3.64	636	10-71		41	700	.05	33	48
93-24-9099	6287790	1440846	8-64	5	305	23,918	3.18	760	72	18,118	3.47	629	4-71		35	986	-.09	22	43
93-24-9099	6409834	1357308	6-65	4	302	24,175	3.80	919	70	18,425	3.46	637	12-70		44	537	.12	37	47
93-24-9099	6631713	1261857	2-66	4	305	21,153	3.55	750	90	18,263	3.61	660	10-71		44	787	.04	35	53
93-24-9099	6708620	1467291	9-66	3	305	23,833	3.65	871	84	18,283	3.59	656	10-71		34	970	.03	40	62
93-24-9099	6732266	1467291	8-66	4	305	25,362	3.02	765	72	18,430	3.49	643	4-72		36	1,215	-.10	28	6.
93-24-9099	6777717	1467291	1-67	3	305	25,116	3.48	875	81	18,936	3.58	677	11-71		34	1,061	.00	38	63
93-24-9099	6890797	1473442	6-67	2	305	22,435	3.59	806	94	19,180	3.51	674	11-71		39	762	-.03	23	42
93-24-9099	6952621	1485390	8-67	2	305	24,010	3.29	791	70	18,375	3.48	639	4-71		29	817	-.02	26	45
93-24-9099	6992408	1467291	2-68	1	305	21,940	4.23	928	62	18,820	3.55	668	1-71		26	523	.11	35	45
93-24-9099	7135028	1261857	3-68	2	305	21,945	3.51	770	99	19,105	3.64	695	11-71		40	741	.03	32	49
93-24-9099	7211987	1505830	8-68	2	305	25,635	3.19	818	88	19,180	3.58	687	2-72		30	1,160	-.13	23	5.
93-24-9099	7442863	1427615	7-69	1	305	28,070	2.95	828	95	19,690	3.58	704	1-72		36	1,153	-.18	14	46
93-24-9099	7442884	1525356	5-69	1	305	27,790	3.66	1018	94	19,580	3.57	699	1-72		25	1,108	.03	44	7.
93-24-9099	7442886	1525356	8-69	1	305	26,060	3.75	978	84	19,250	3.53	680	2-72		25	982	.04	42	64
93-24-9099	7442887	1488500	6-69	1	305	23,560	3.53	831	86	19,420	3.53	685	2-72		26	954	.00	35	53
93-24-9099	7442888	1488500	6-69	1	305	27,040	3.17	856	105	19,900	3.62	720	12-71		26	1,219	-.06	34	65
93-24-9099	7442890	1447414	7-69	1	305	23,650	3.12	738	87	19,390	3.53	685	2-72		35	969	-.08	23	43
93-24-9099	7442891	1447414	8-69	1	305	29,440	3.57	1051	87	19,390	3.53	685	2-72		35	1,406	-.02	47	81
93-24-9099	7749367	1397209	8-69	1	305	25,010	3.45	862	106	18,850	3.66	690	10-71		36	812	-.04	23	43
93-24-9180	4740946	1276823	9-58	8	304	19,075	3.90	743	39	17,044	3.50	597	1-71		35	570	.08	33	44
93-24-9180	5302033	1247197	7-60	8	300	22,860	3.43	785	51	17,128	3.49	598	1-72		36	946	-.01	32	55
93-24-9180	6131555	1371516	3-64	5	301	22,452	3.34	749	60	17,150	3.51	602	1-71		36	857	-.03	27	45
93-24-9180	6175100	1385141	1-64	5	305	24,802	3.54	877	47	17,418	3.50	609	3-71		35	1,170	.00	42	7.
93-24-9180	7004089	1478738	2-67	2	305	20,080	3.34	671	74	16,015	3.48	557	9-71		30	778	-.04	22	42
93-24-9180	7175470	1347940	9-68	1	305	19,770	3.00	594	59	16,520	3.37	556	5-71		36	776	-.04	22	42
93-24-9180	7451719	1347940	12-68	1	305	19,890	3.43	682	59	16,520	3.37	556	5-71		36	785	.00	29	45
93-24-9180	7642306	1427615	4-69	1	305	23,660	3.26	771	66	16,530	3.48	575	10-71		36	1,136	-.12	19	47
93-24-9454	5640068	1199324	7-62	6	305	24,085	3.55	855	9	16,838	3.67	618	7-71		44	1,397	-.03	46	8
93-24-9454	6552047	1357308	5-65	4	305	22,680	4.05	919	8	16,762	3.78	634	9-71		44	537	.12	37	47
93-24-9454	7067258	1347940	1-68	2	305	22,380	3.61	809	10	18,850	3.89	734	12-71		40	591	-.03	27	49
93-24-9667	6273234	1427381	1-65	4	305	20,557	3.59	737	32	14,447	3.45	499	2-71		44	1,436	.05	59	92
93-24-9667	6273235	1427381	1-65	4	304	16,190	3.57	578	40	14,192	3.45	490	10-71		44	925	.04	40	61
93-24-9667	6517651	1427381	7-65	4	303	15,297	3.60	551	31	13,335	3.49	465	4-71		44	910	.05	40	6.
93-24-9667	6567095	1237057	3-65	5	301	18,530	3.65	677	36	14,068	3.50	493	11-71		44	831	-.01	28	43
93-24-9667	6880522	1427381	8-65	5	303	16,758	3.43	574	21	13,992	3.47	485	4-72		44	1,023	.03	41	65
93-24-9667	7037737	1427381	5-66	4	301	16,790	3.84	645	38	13,667	3.51	480	11-71		44	1,058	.08	50	73

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C D	.......C O W REPT (%)	MILK (LB)	I N D E X....... FAT (%)	FAT (LB)	DOL-LARS
93-24-9667	7163118	1481962	9-67	3	296	18,183	3.35	610	25	13,553	3.49	473	10-71		36	892	-.01	30	$ 52
93-24-9667	7163119	1481962	8-68	2	300	16,340	3.41	557	20	12,470	3.45	430	12-71		33	737	.00	27	44
93-24-9667	7163126	1481962	8-68	1	305	15,070	3.88	585	24	11,110	3.50	389	8-71		28	648	.04	30	44
93-27-0007	6597371	010238433	7-64	4	305	26,478	3.03	801	113	20,138	3.39	682	3-71		36	1,096	-.11	23	52
93-27-0007	6602110	1460787	4-66	4	305	26,157	3.12	815	112	20,320	3.44	700	4-71		37	1,168	-.10	27	58
93-27-0007	7252723	1477300	1-69	1	305	29,730	3.94	1170	100	21,420	3.46	742	1-71		25	746	.09	40	55
93-27-0007	7332623	1399283	4-69	1	305	26,880	3.79	1018	129	21,150	3.40	720	4-71		36	745	.01	29	46
93-27-0007	7536639	1427615	11-69	1	305	26,330	3.46	912	163	20,750	3.60	747	1-72		36	952	-.11	18	44
93-27-0054	4175298	1040096	11-55	4	305	26,078	3.54	924	54	16,035	3.52	564	2-71		44	1,456	-.02	49	84
93-27-0054	5798057	1389222	2-63	6	305	21,167	3.25	688	52	16,213	3.53	573	3-71		36	928	-.07	22	46
93-27-0054	6479804	1274023	8-65	3	305	22,357	3.55	794	51	16,790	3.60	604	7-71		29	828	-.01	29	49
93-27-0054	6969324	1391977	6-67	3	305	24,910	3.52	876	52	17,426	3.59	625	3-72		42	862	-.02	28	49
93-27-0072	7200916	1482274	6-68	2	305	24,180	3.30	798	30	16,610	3.40	564	8-71		40	400	.15	37	42
93-27-7076	5860535	1403020	10-62	2	305	21,780	3.59	781	9	16,395	3.42	561	5-71		25	707	.02	29	45
93-27-9002	4946834	1297472	6-59	5	305	23,492	3.22	756	62	18,378	3.50	643	5-71		44	774	-.03	23	42
93-27-9002	5104016	1297472	5-60	4	305	22,495	3.46	779	57	17,770	3.51	624	9-71		43	686	.02	27	43
93-27-9002	6051682	1244845	3-64	5	305	23,242	3.21	745	61	18,192	3.43	624	9-71		44	896	-.08	20	44
93-27-9002	6233495	1297472	11-64	4	305	23,265	3.49	812	60	18,120	3.54	641	6-71		43	743	.02	30	47
93-27-9002	6473443	1406271	11-65	3	305	21,700	3.41	740	74	18,007	3.43	618	4-71		42	837	.03	34	53
93-27-9002	7020930	1406271	2-68	2	305	22,165	2.80	620	57	17,710	3.43	608	2-72		40	870	-.07	21	44
93-27-9002	7080433	1417290	5-68	2	305	24,915	3.26	811	47	18,070	3.48	628	11-71		34	877	-.02	28	5[illegible]
93-27-9002	7181277	1474251	9-68	1	305	23,000	3.95	909	51	18,070	3.47	627	4-71		24	588	.07	31	43
93-27-9002	7188900	1406271	11-68	1	305	21,540	4.04	871	70	19,160	3.43	658	12-71		36	621	.10	37	49
93-27-9004	7178618	1508766	8-68	2	305	24,435	3.04	744	63	16,900	3.61	610	3-72		25	965	-.11	13	45
93-27-9029	4261763	1060259	4-56	6	294	20,135	3.83	771	70	17,725	3.57	632	3-71		44	665	.02	27	42
93-27-9029	6244730	1419723	8-64	5	305	24,310	3.48	846	85	18,996	3.58	681	11-71		38	831	-.03	26	46
93-27-9029	6268027	1222994	2-65	5	305	23,392	3.57	834	77	18,966	3.60	682	3-72		44	885	.00	32	53
93-33-0056	6964403	1366011	12-67	2	305	25,690	3.26	838	32	18,190	3.52	641	6-71		38	1,180	-.02	39	68
93-33-0056	7220386	1242221	9-68	2	298	20,805	3.37	702	35	18,580	3.53	655	12-71		38	905	-.02	29	51
93-33-0056	7220389	1242221	11-68	2	305	24,680	3.43	847	33	18,895	3.42	646	3-72		38	1,280	-.01	45	76
93-33-0056	7220391	1366011	10-68	1	305	23,160	3.58	830	34	19,270	3.42	659	4-71		33	713	.05	33	49
93-33-0056	7305119	1366011	2-69	1	305	25,270	2.97	751	32	18,740	3.51	657	5-71		33	915	-.04	27	5[illegible]
93-33-0125	6500045	1429144	10-65	2	305	26,380	3.30	870	38	17,060	3.60	614	3-72		29	1,468	-.09	38	76
93-33-0125	7080630	1478014	2-68	1	305	21,010	4.65	978	36	16,010	3.61	578	3-71		35	662	.13	44	56
93-33-0126	7128896	1347940	5-68	1	305	21,430	3.75	803	93	17,680	3.57	631	8-71		36	822	.02	32	51
93-33-0126	7353903	1509022	5-69	1	305	26,890	3.51	945	58	17,940	3.48	625	10-71		19	884	.06	32	53
93-33-0134	4585896	1011354	7-55	2	305	23,135	3.51	811	66	19,335	3.54	684	1-72		39	679	.01	26	42
93-33-0134	5905442	1271075	9-63	2	305	23,355	3.61	844	93	18,480	3.60	665	7-71		40	956	.00	35	[illegible]
93-33-0134	6287128	1424203	9-64	1	305	26,540	3.81	1012	76	18,380	3.63	667	11-71		24	928	.05	37	5[illegible]
93-33-0134	6287150	1271075	11-64	2	305	26,385	3.07	811	96	18,290	3.60	659	10-71		40	1,263	-.09	32	6[illegible]
93-33-0134	6287151	1271075	11-64	2	305	25,255	3.27	826	99	18,465	3.59	663	11-71		4[illegible]	1,151	-.05	33	52
93-33-0134	6510327	1424203	8-65	3	299	20,926	4.43	928	45	18,523	3.55	656	3-72		32	435	.18	43	43
93-33-0134	6647990	1422553	9-66	3	295	22,776	3.86	880	59	18,793	3.59	675	4-72		32	582	.05	32	47
93-33-0134	6799972	1377954	11-66	2	305	23,775	3.73	887	95	18,115	3.61	654	8-71		40	965	.03	40	5[illegible]
93-33-0136	7214742	1386406	9-68	1	305	29,100	3.27	952	36	20,670	3.56	735	12-71		36	934	-.02	3[illegible]	53
93-33-0136	7645063	1330987	10-68	1	305	28,220	3.09	873	34	20,620	3.58	738	12-71		35	930	-.03	29	52
93-33-0189	6270682	1271075	3-64	3	305	18,533	3.83	710	8	14,360	3.61	518	10-71		42	590	.03	37	57
93-33-0191	6140987	1322863	4-64	5	305	24,284	3.59	873	28	18,712	3.69	690	4-71		42	1,038	-.02	34	59
93-33-0191	6438714	1429144	5-65	4	305	25,670	3.11	799	27	18,503	3.68	681	1-71		33	1,390	-.15	26	63
93-33-0191	6913655	1483087	8-67	3	304	25,780	3.21	828	24	18,856	3.66	691	2-72		35	1,520	-.15	31	71
93-33-0191	6976576	1379917	9-67	2	305	22,450	3.71	834	31	19,185	3.63	697	6-71		38	756	.0[illegible]	27	45
93-33-0191	6976577	1299222	9-67	2	305	27,240	4.10	1117	32	19,700	3.67	723	4-71		38	1,341	.06	58	3[illegible]
93-33-0191	7339585	1471445	10-68	2	297	23,395	3.75	878	30	18,590	3.60	669	11-71		40	758	.05	35	52
93-33-0194	5863040	1244845	12-62	6	305	23,760	3.72	885	165	18,687	3.64	681	7-71		44	916	.00	32	54
93-33-0194	6000000	1339836	11-63	4	305	25,340	3.56	901	144	19,103	3.66	700	7-71		42	942	-.05	27	51
93-33-0194	6158225	1357750	4-64	4	305	25,720	3.63	933	157	19,095	3.67	701	8-71		40	735	.00	25	4[illegible]
93-33-0194	6177148	1244009	7-64	5	270	23,760	3.56	845	132	19,506	3.63	708	4-72	8	44	1,[illegible]	-.04	30	55
93-33-0194	6369331	1339836	2-65	4	305	26,195	3.34	876	153	19,513	3.66	714	9-71		42	1,[illegible]4	-.09	22	43
93-33-0194	6474070	1237057	7-65	3	273	23,200	3.53	818	116	18,943	3.66	693	1-72	8	42	811	-.05	21	42
93-33-0194	6513548	1339836	2-66	3	305	26,190	3.36	879	123	19,420	3.68	715	8-71		41	950	-.09	2[illegible]	43
93-33-0194	6595376	1441176	4-66	3	305	25,447	3.31	843	150	20,030	3.67	735	3-71		33	928	-.10	18	43
93-33-0194	6658834	1438080	9-66	3	305	21,160	3.85	814	164	19,526	3.68	718	8-71		40	703	.02	29	45
93-33-0194	6730482	1472870	11-66	3	300	26,143	3.30	862	135	19,730	3.68	726	11-71	8	33	1,195	-.11	26	5[illegible]
93-33-0194	6762485	1464976	11-66	3	288	25,383	3.29	835	100	18,053	3.66	660	12-71	B	33	1,034	-.09	23	5[illegible]
93-33-0194	6935414	1489710	8-67	2	305	25,050	3.46	867	124	19,090	3.73	713	5-71		30	995	-.06	26	51
93-33-0194	6993343	1347940	11-67	2	305	26,785	3.41	913	160	20,065	3.68	739	7-71		40	1,227	-.05	37	68
93-33-0194	7339770	1242221	1-69	1	305	22,570	3.87	874	116	19,910	3.72	741	4-71		34	919	.02	36	57
93-33-0194	7391408	1366011	2-69	1	305	23,140	3.80	880	126	19,310	3.73	720	3-71		33	769	.04	32	45
93-33-0194	7406102	1483844	3-69	1	305	25,080	4.25	1067	128	19,310	3.72	719	8-71		35	613	.07	32	45
93-33-0194	7405122	1366011	6-69	1	166	23,620	3.78	894	136	20,330	3.55	722	3-72	8	33	675	.06	33	4[illegible]
93-33-0194	7452340	1366011	8-69	1	305	25,540	3.45	880	93	20,410	3.51	717	4-72		33	819	.02	33	52
93-33-0194	7530544	1366011	10-69	1	305	22,930	3.63	833	154	20,370	3.60	733	1-72		33	618	.04	28	42
93-33-0197	7466969	1299222	2-69	1	292	22,790	3.33	760	6	19,930	3.21	639	12-71		34	795	-.02	26	45
93-33-0205	6792365	1244009	10-66	3	305	19,370	4.01	777	37	16,840	3.57	602	4-72		42	724	.03	31	47
93-33-0205	7307135	1458744	1-69	1	292	21,410	3.88	831	61	19,610	3.43	672	1-72		36	552	.04	29	44
93-33-0205	7366331	1399283	1-69	1	305	25,890	3.50	906	60	19,630	3.47	681	12-71		36	773	-.03	23	42
93-33-0234	7297320	1429483	10-68	2	305	25,835	2.98	769	61	19,185	3.55	682	4-72		33	1,133	-.15	18	44
93-33-9010	6608579	1462040	4-66	4	288	19,182	3.50	671	19	16,080	3.50	562	10-71		35	654	.02	27	42
93-33-9010	6608585	1330987	7-66	4	305	23,908	3.13	749	31	16,778	3.56	597	1-72		44	1,192	-.05	35	65
93-33-9010	6712344	1462040	1-67	3	305	19,820	3.59	711	15	16,433	3.59	590	10-71		33	668	.03	28	43
93-33-9010	6759809	1462040	1-67	4	301	21,125	3.43	725	32	17,450	3.49	609	3-72		35	756	.01	29	47
93-33-9010	7006537	1462040	2-68	3	298	21,233	3.61	767	36	17,510	3.51	614	2-72		33	727	.04	33	49
93-33-9010	7006538	1462040	12-67	3	292	23,160	3.54	819	35	17,700	3.50	620	1-72		33	963	.03	39	61
93-33-9010	7202813	1462040	7-68	2	299	20,435	4.05	828	20	16,310	3.62	591	8-71		30	710	.10	41	55
93-33-9010	7347665	1462040	7-68	2	287	21,185	3.54	751	17	16,040	3.56	571	9-71		30	829	.03	34	53

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C D	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOL- LARS
93-33-9010	7347668	1366011	12-68	2	302	19,325	3.87	747	47	17,390	3.60	626	3-72		38	584	.07	31	$ 43
93-33-9010	7362967	1427381	8-69	1	305	19,840	3.63	721	42	17,620	3.52	621	1-72		36	957	.05	42	63
93-33-9010	7576749	1432351	12-69	1	305	25,030	3.22	807	42	17,450	3.55	619	1-72		29	804	-.05	21	42
93-33-9041	5586863	1344345	5-62	7	305	22,901	3.48	796	238	16,971	3.61	613	11-71		44	998	-.07	25	51
93-33-9041	6284075	1032011	1-65	4	305	23,420	3.28	768	235	17,570	3.63	637	8-71		35	1,087	-.05	32	59
93-33-9041	6380726	1242221	4-65	4	305	21,355	3.91	836	248	17,430	3.63	632	10-71		42	1,130	.05	49	74
93-33-9041	6586855	1032011	5-66	4	305	21,675	3.51	761	211	18,108	3.60	652	4-72		35	773	.01	29	47
93-33-9041	6586856	1032011	7-66	3	305	21,860	3.90	852	233	18,210	3.60	656	4-71		34	752	.09	40	56
93-33-9041	6959653	1463216	8-67	3	305	25,523	3.31	846	218	18,656	3.60	671	2-72		42	850	-.04	25	46
93-33-9041	6986929	1366011	11-67	2	305	21,555	3.86	832	176	18,240	3.61	659	1-72		38	739	.07	37	53
93-33-9041	7204096	1366011	9-68	1	305	22,630	3.70	837	173	18,920	3.55	672	3-71		33	696	.05	32	47
93-33-9041	7204098	010275932	10-68	2	305	26,630	3.59	957	191	18,810	3.58	674	3-72		40	962	.02	38	60
93-33-9041	7438014	1493686	11-69	1	305	24,310	3.56	865	162	19,070	3.61	689	3-72		35	855	.03	35	55
93-33-9079	6260976	1420003	12-64	2	305	23,805	3.37	803	152	18,475	3.31	611	5-71		25	726	.00	26	43
93-33-9079	6410754	1395837	8-65	4	305	23,555	3.42	805	101	18,358	3.49	640	11-71		37	906	.02	36	57
93-33-9079	6443908	1419723	8-65	4	304	23,980	3.14	753	87	18,078	3.43	620	4-71		37	862	-.07	20	43
93-33-9079	6704919	1397184	7-66	3	302	28,293	3.03	856	135	18,440	3.37	621	3-71		36	1,104	-.08	27	56
93-33-9079	6797753	1423921	12-67	3	305	22,210	3.99	887	158	18,143	3.42	620	8-71		33	459	.13	36	43
93-33-9079	6933820	1399824	6-67	1	305	19,870	4.39	872	173	18,280	3.45	631	9-71		36	493	.12	35	44
93-33-9079	6933826	1399824	11-67	2	304	21,810	4.02	876	92	17,625	3.69	650	12-71		40	782	.07	39	56
93-33-9079	7306088	1493686	11-68	2	296	22,660	3.38	765	130	18,865	3.37	636	3-72		40	831	.02	33	52
93-33-9079	7405169	1496424	9-69	1	305	25,210	3.26	822	153	18,690	3.45	645	2-72		24	780	-.02	25	44
93-33-9079	7406170	1493686	6-69	1	305	21,520	3.61	776	172	18,390	3.40	626	7-71		35	691	.05	32	47
93-34-0190	6905754	1236721	9-67	2	302	19,815	3.42	678	15	16,980	3.33	566	6-71		36	702	.00	26	43
93-34-0190	7104261	1236721	11-67	2	305	26,165	3.23	846	19	17,400	3.32	578	3-71		36	1,350	-.04	43	76
93-34-0190	7315930	1438080	10-68	2	299	18,205	3.68	670	20	16,610	3.35	556	3-72		38	655	.03	28	43
93-34-0190	7512003	1438080	9-69	1	305	19,330	3.21	620	27	15,270	3.37	514	2-72		33	819	-.03	25	45
93-34-0228	7155739	010282579	9-66	3	276	24,307	3.26	793	26	17,307	3.54	613	4-71		36	1,046	-.10	23	51
93-36-0004	7286951	1386406	12-68	2	305	22,040	3.89	857	96	16,600	3.52	584	4-72		40	818	.07	40	58
93-36-0012	6177410	1330987	12-63	6	301	19,197	3.99	766	32	16,800	3.77	633	10-71		44	619	.07	33	46
93-36-0012	6297431	1441335	3-65	5	305	21,476	3.88	834	28	16,792	3.75	630	4-72		32	781	.04	34	52
93-36-0012	6547717	1237057	12-65	3	305	22,997	3.66	841	34	15,883	3.83	609	6-71		42	1,104	-.05	32	60
93-36-0012	6547721	1417208	3-66	4	302	21,643	3.73	808	36	16,488	3.81	628	12-71		44	1,027	.01	38	62
93-36-0012	6608291	1417208	5-66	3	305	19,040	4.12	785	35	16,607	3.79	629	10-71		42	679	.06	34	48
93-36-0012	6608293	1377954	7-66	3	305	21,840	3.37	736	35	16,447	3.84	632	1-71		42	985	-.05	28	53
93-36-0022	7526504	1447414	9-69	1	305	24,450	3.65	893	86	20,760	3.63	753	3-72		35	936	-.02	30	53
93-36-0040	6223535	1322863	1-65	5	278	21,378	3.41	729	144	17,626	3.55	626	1-72		42	777	-.04	22	42
93-36-0040	7101016	1236721	5-68	1	305	21,270	3.43	729	215	16,100	3.54	570	12-70		31	824	-.01	28	48
93-36-0280	5388394	1371800	10-62	6	301	21,963	3.56	781	117	17,533	3.58	628	8-71		35	783	-.01	27	46
93-36-0280	6086176	1271075	2-64	5	305	19,524	3.72	726	131	17,486	3.56	623	7-71		44	695	.03	29	45
93-36-0280	6148431	1429483	1-64	6	297	20,398	3.88	791	96	17,711	3.57	632	3-72		38	731	.03	31	48
93-36-0280	6389219	1259069	7-65	5	303	23,546	3.31	779	125	18,194	3.58	652	1-72		44	869	-.08	19	42
93-36-0280	6841272	1480352	2-67	3	305	22,317	3.84	856	76	18,613	3.54	658	11-71		29	588	.07	31	43
93-36-0280	7174670	1429483	3-68	2	305	24,700	3.30	815	78	19,085	3.54	675	2-72		33	1.014	-.08	24	50
93-36-0280	7297321	1429483	10-68	1	305	26,530	3.13	831	122	18,800	3.40	639	3-71		28	1,034	-.09	24	51
93-36-0280	7410291	1521390	3-69	1	305	25,930	3.43	890	96	19,350	3.43	663	9-71		24	871	.00	31	52
93-36-0280	7611743	1429483	6-69	1	305	23,450	3.86	906	73	18,570	3.47	644	8-71		28	791	.01	30	49
93-36-0280	7611748	1521390	6-69	1	305	23,620	3.73	882	95	18,700	3.46	647	8-71		24	717	.04	32	48
93-36-0281	7058832	1299222	5-66	2	305	22,110	3.72	822	36	19,310	3.65	704	11-71		38	842	-.01	29	49
93-36-9024	5907632	1395837	9-63	5	303	19,994	3.56	712	41	15,222	3.78	575	3-71		38	835	.01	32	52
93-36-9024	6410755	1395837	10-65	3	298	16,317	4.81	809	45	14,810	3.90	577	7-71		36	406	.19	43	46
93-36-9024	6513902	1395837	2-66	4	298	19,533	4.00	782	43	14,368	3.95	567	9-71		37	847	.08	42	60
93-36-9024	6796308	1395837	8-66	4	298	18,758	3.61	678	51	14,758	3.89	574	1-72		37	692	.01	26	42
93-36-9024	6822313	1458145	10-66	3	286	18,536	3.94	731	49	15,296	3.89	595	2-72		33	650	.05	31	45
93-36-9042	6818664	1481213	1-67	3	305	22,940	3.44	789	28	17,377	3.55	617	5-71		29	836	-.03	26	47
93-36-9042	7500311	1366011	5-69	1	305	21.040	3.43	722	20	16,790	3.57	600	6-71		33	722	.01	28	45
93-36-9042	7500312	1366011	5-69	1	305	20,040	3.93	787	20	16,790	3.57	600	6-71		33	644	.07	34	47
93-36-9042	7569885	1366011	12-69	1	305	20.480	3.97	813	11	17,450	3.62	631	3-72		33	632	.07	33	46
93-36-9219	6269846	1381572	3-65	3	305	20,897	3.55	741	20	15,103	3.81	575	5-71		34	838	-.05	23	44
93-36-9219	6540721	1458145	1-66	3	305	19,856	3.60	714	14	14,750	3.91	577	7-71		33	891	-.01	31	52
93-36-9219	6672458	1458145	9-66	3	305	18,320	3.97	728	16	14,870	3.91	581	4-71		33	672	.06	33	47
93-36-9243	5841872	1380666	2-63	5	305	21,752	3.65	795	82	16,956	3.63	616	9-71		36	893	.02	35	56
93-36-9243	6189977	1409704	8-64	4	305	23,672	3.40	805	105	17,917	3.56	638	12-71		36	948	-.03	30	53
93-36-9243	6216053	1412599	10-64	5	305	24,416	3.26	797	89	18,086	3.55	642	3-72		38	1,018	-.08	24	51
93-36-9243	6374278	1380666	6-65	4	305	23,787	3.64	866	100	18,090	3.54	641	4-71		35	1,010	.02	40	63
93-36-9243	6387163	1242221	5-65	4	305	19,920	3.74	746	77	16,470	3.51	578	5-71		42	1,057	.03	43	67
93-36-9243	6487132	1380666	10-65	2	305	22,770	3.56	811	95	18,070	3.46	625	1-71		31	758	.02	30	48
93-36-9243	6487134	1380666	11-65	4	305	24,962	3.44	858	86	18,227	3.49	636	2-72		35	1.159	-.01	40	68
93-36-9243	6744512	1460787	1-67	2	305	23,790	3.20	762	67	17,665	3.50	619	1-71		34	1,040	-.07	26	53
93-36-9243	6795086	1444935	9-66	2	305	23,840	3.12	743	121	17,735	3.49	619	7-71		35	913	-.08	21	45
93-36-9243	6795105	1380666	12-66	3	305	25.600	3.74	957	82	17,010	3.50	595	7-71		34	1,325	.05	56	86
93-36-9243	6860267	1466544	2-67	1	305	24,920	3.59	895	112	18,300	3.49	638	4-71		24	574	.06	30	42
93-36-9243	6900482	1299222	7-67	2	305	20,045	3.41	684	93	17,425	3.48	606	8-71		38	803	-.03	24	44
93-36-9243	7007927	1458744	12-67	2	305	21,420	3.52	754	117	17,940	3.45	619	6-71		40	839	.00	30	50
93-36-9243	7122149	1444935	5-68	2	305	22,600	3.48	787	104	17,505	3.55	621	10-71		35	800	-.02	26	46
93-36-9243	7124793	1458744	7-68	2	305	22.770	3.90	887	95	18,405	3.52	648	3-72		40	933	.05	41	62
93-36-9243	7124794	1458744	7-68	2	305	20,485	3.87	793	118	18,680	3.47	648	1-72		40	677	.04	31	46
93-36-9243	7124795	1458744	7-68	2	305	22,150	3.29	728	100	18,830	3.49	657	3-72		40	832	-.04	24	45
93-36-9243	7157909	1458744	1-68	2	293	25,565	2.73	699	127	18,000	3.48	626	6-71		40	1,254	-.14	24	58
93-36-9243	7334002	1458744	11-68	1	305	22,310	3.67	819	115	18,660	3.47	647	3-71		36	782	.01	30	48
93-36-9243	7382394	1380666	2-69	1	305	24,530	3.55	872	107	18,030	3.46	624	5-71		26	774	.01	30	48
93-36-9243	7415284	1458744	3-69	1	305	23,030	3.14	722	110	17,790	3.54	630	11-71		36	894	-.05	24	47
93-37-0062	6987881	1322863	1-68	2	296	24,340	3.49	850	187	18,900	3.50	662	4-71		37	869	-.02	29	50
93-37-0130	5726122	1330987	11-62	3	235	20,727	3.76	779	25	16,317	3.43	560	3-71		42	818	.08	41	58
93-37-0133	6650484	1417208	9-66	1	305	22,6[illegible]	4.15	940	14	17,400	3.61	629	2-72		36	623	.07	40	58

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C D	REPT (%)	.......C O W MILK (LB)	I N D E X....... FAT (%)	FAT (LB)	DOL-LARS
93-37-0133	7547334	1417208	10-69	1	305	20,070	3.89	780	16	17,370	3.59	624	1-72		36	634	.04	29	$ 43
93-37-9014	5549381	1136564	8-60	4	305	21,015	3.59	754	68	17,073	3.54	604	1-72		42	909	-.02	30	52
93-37-9014	5880930	1136564	3-63	5	304	22,616	3.60	814	74	17,158	3.63	623	1-71		43	1,131	-.02	37	65
93-37-9014	6174631	1136564	9-64	5	301	21,216	3.47	737	67	17,126	3.63	621	3-71		43	949	-.05	27	51
93-37-9014	6345976	1242221	6-65	4	305	18,800	3.84	721	85	16,978	3.64	618	8-71		42	857	.03	36	55
93-37-9014	6455974	1242221	8-65	5	300	22,354	3.28	733	86	17,180	3.64	625	1-72		43	1,308	-.06	37	70
93-37-9014	6457994	1242221	9-65	5	301	21,836	3.71	810	67	17,258	3.60	622	4-72		43	1,230	.02	47	76
93-37-9014	6734965	1261857	8-66	4	299	20,450	4.01	820	94	16,723	3.62	606	10-71		44	871	.12	49	67
93-37-9014	6734976	1261857	9-66	3	302	21,207	3.72	788	68	17,390	3.63	632	4-71		42	865	.07	42	61
93-37-9014	6792673	1464976	12-66	3	305	25,590	3.17	812	83	16,976	3.64	618	11-71		33	1,191	-.12	25	57
93-37-9014	6841110	1261857	4-67	1	305	18,630	3.88	722	55	16,560	3.74	620	7-71		36	661	.08	33	45
93-37-9014	6841112	1261857	4-67	3	300	19,737	3.79	748	94	17,037	3.63	619	11-71		42	732	.08	38	53
93-37-9014	6894848	1261857	8-67	3	292	19,517	4.02	784	91	17,293	3.63	628	11-71		42	680	.12	42	55
93-37-9014	6894850	1261857	9-67	3	297	19,903	3.47	690	94	17,247	3.62	625	11-71		42	730	.03	31	48
93-37-9014	7091079	1242221	1-68	2	300	21,540	4.04	870	63	17,610	3.65	642	4-71		38	1,073	.05	47	71
93-37-9014	7105268	1242221	2-68	2	295	19,910	3.73	742	89	17,225	3.63	625	12-71		38	938	.01	36	56
93-37-9014	7110853	1242221	4-68	2	296	19,315	3.70	715	86	17,205	3.60	619	1-72		38	878	.01	33	54
93-37-9014	7110854	1242221	4-68	2	305	20,055	3.69	741	66	17,370	3.63	631	5-71		38	940	.01	35	57
93-37-9014	7171331	1517483	9-68	2	305	22,345	3.59	803	73	17,585	3.62	637	3-72		30	655	.02	27	42
93-37-9014	7237517	1242221	10-68	1	305	19,120	3.70	708	74	16,780	3.74	628	8-71		34	870	.0[illegible]	31	52
93-37-9014	7342722	1242221	1-69	2	301	21,955	3.37	739	44	17,580	3.61	634	4-72		38	1,119	-.04	34	62
93-37-9014	7355788	1261857	2-69	1	305	22,720	3.60	818	60	17,040	3.73	635	5-71		36	874	.05	39	58
93-37-9014	7381442	1386406	4-69	1	305	22,070	4.00	882	91	17,200	3.65	628	10-71		36	642	.06	32	46
93-37-9014	7449288	1242221	7-69	1	305	22,130	3.35	742	94	17,620	3.56	628	12-71		34	1,044	-.02	34	6[illegible]
93-37-9031	5955019	1244009	9-63	6	301	20,572	3.57	734	67	18,270	3.42	624	5-71		44	738	-.01	25	43
93-37-9031	6571518	1463154	4-66	4	305	29,727	2.95	877	77	17,942	3.46	621	12-71		34	1,991	-.19	41	94
93-37-9031	6712305	1463154	11-66	3	305	24,366	3.16	769	69	18,680	3.38	631	6-71		32	1,067	-.10	23	51
93-37-9031	6744586	1271075	9-66	4	305	21,845	3.17	692	75	19,050	3.36	641	3-72		43	300	-.05	22	42
93-37-9031	7001560	1438016	6-67	2	305	25,035	3.00	750	64	19,060	3.28	625	4-71		36	862	-.07	21	44
93-37-9031	7356023	1427381	11-68	1	305	21,030	3.73	784	82	19,320	3.34	646	7-71		36	931	.07	45	65
93-37-9031	7545946	1438016	8-69	1	305	29,210	3.13	914	93	18,900	3.38	639	1-72		31	1,663	-.06	29	56
93-37-9031	7619119	1427381	12-69	1	305	24,130	3.67	886	52	19,560	3.48	681	4-72		35	1,146	.06	50	76
93-37-9031	7694249	1427381	10-69	1	62	24,140	3.49	843	78	19,260	3.46	667	3-72	8	35	1,167	.04	48	75
93-37-9036	6514470	1413178	2-66	3	305	19,683	3.52	693	24	13,610	3.50	476	1-71		32	857	-.01	29	5[illegible]
93-37-9036	6680192	1388938	10-66	3	305	19,443	3.27	636	26	14,140	3.47	490	6-71		32	303	-.05	22	42
93-39-0001	6512145	1398216	9-65	4	305	25,655	3.10	796	45	19,928	3.35	667	4-71		44	1,100	-.10	24	53
93-39-0001	7052096	1470784	7-66	3	305	22,646	3.54	801	44	19,460	3.43	668	5-71		33	728	.00	27	44
93-39-0001	7052097	1470784	9-66	3	300	23,820	3.50	833	41	19,420	3.42	664	4-71		33	890	.00	32	53
93-39-0001	7052098	1470784	10-66	3	305	25,586	3.19	815	47	19,403	3.41	662	2-71		33	1,128	-.07	30	59
93-39-0001	7052113	1491068	3-67	3	299	24,953	3.05	762	39	18,790	3.42	643	9-71		29	941	-.10	19	44
93-39-0001	7115953	1491068	3-67	3	305	24,930	3.48	868	38	18,510	3.44	636	9-71		29	974	.00	35	56
93-39-0001	7115964	1330987	11-67	2	305	21,945	3.83	841	41	19,895	3.45	686	4-71		40	563	.08	33	44
93-39-0001	7196817	1488500	7-68	2	292	22,960	3.36	772	38	19,870	3.46	687	3-72		31	939	-.02	31	54
93-39-0001	7208363	1330987	11-68	2	299	24,880	3.24	805	43	19,880	3.45	685	3-72		40	862	-.01	30	51
93-39-0001	7483086	1330987	3-69	1	305	23,620	3.80	897	29	19,150	3.53	676	7-71		35	686	.06	34	49
93-39-0001	7502931	1330987	8-69	1	305	24,010	3.40	816	45	19,760	3.44	680	11-71		36	674	.02	26	41
93-39-0004	5867728	1360553	2-62	3	305	20,033	3.95	791	58	16,567	3.58	593	9-71		34	753	.04	33	51
93-39-0004	6530232	1460446	3-66	3	303	22,590	3.75	847	45	17,256	3.49	602	12-71		33	741	.06	36	52
93-39-0005	6097290	1406286	2-64	5	302	19,872	3.49	694	27	14,008	3.73	522	9-71		32	924	-.03	28	51
93-39-0005	6917865	1487824	9-67	1	305	20,680	3.39	702	25	13,740	3.97	545	9-70		23	860	-.06	22	44
93-39-0005	7037586	1487824	3-68	2	305	22,515	3.69	831	36	15,515	3.74	581	1-72		29	1,081	-.01	38	64
93-39-0005	7037589	1487824	3-68	2	304	21,960	3.63	798	27	15,615	3.83	598	12-71		29	1,003	-.03	32	57
93-39-0005	7315974	1458744	3-69	1	302	19,430	4.01	779	31	17,190	3.71	638	3-72		36	666	.03	28	43
93-39-0005	7427254	1458744	9-69	1	298	22,000	3.48	765	36	17,110	3.69	631	2-72		36	863	-.03	27	43
93-39-0025	7104323	1385225	6-68	2	305	23,110	3.47	801	83	17,795	3.49	621	4-71		40	960	[illegible]	33	56
93-39-0025	7334601	1385225	4-69	2	301	24,325	3.14	765	79	18,880	3.31	624	3-72		40	984	-.04	29	54
93-39-0025	7504740	1385225	9-69	1	305	23,450	3.26	764	96	17,810	3.42	609	9-71		35	860	-.03	27	49
93-39-0077	6288927	1320747	7-64	5	303	20,726	3.55	736	51	16,840	3.72	627	10-71		42	785	-.02	25	44
93-39-0077	7475351	1438535	7-69	1	305	23,920	3.87	925	58	19,380	3.65	707	1-72		34	732	.06	36	52
93-39-0087	6427700	1444432	7-65	4	305	21,373	3.70	790	41	16,740	3.58	599	6-71		30	740	.03	31	44
93-39-0087	6554646	1437633	3-66	4	305	22,252	3.28	730	39	18,265	3.50	640	3-72		41	997	-.08	23	44
93-39-0087	6823422	1437633	9-66	3	305	23,356	3.46	807	45	17,583	3.54	623	5-71		40	1,175	-.05	34	63
93-39-0087	6823423	1437633	12-66	3	305	22,563	3.20	722	41	19,343	3.43	663	12-71		40	891	-.09	19	43
93-39-0087	6922070	1437633	10-67	2	305	19,755	3.76	743	38	17,525	3.55	623	7-71		38	733	-.01	25	43
93-39-0087	7003198	1499173	1-68	2	305	25,480	3.38	860	42	20,510	3.38	694	11-71		29	812	-.05	22	43
93-39-0087	7003202	1299435	1-68	2	305	27,515	2.73	751	49	20,110	3.43	689	12-71		38	1,104	-.15	16	47
93-39-0087	7132673	1299222	4-68	2	305	25,940	3.25	843	47	20,695	3.35	694	12-71		38	1,112	-.05	32	61
93-39-0087	7358395	1377052	10-68	1	305	24,490	3.62	886	45	16,790	3.66	615	7-71		35	757	.00	27	45
93-39-0129	7410897	1406271	4-69	1	305	26,340	2.97	782	80	18,410	3.26	601	8-71		36	1,029	-.02	34	59
93-39-0189	6143842	1199324	6-64	4	303	21,078	3.58	755	82	19,005	3.46	658	11-71		44	749	.01	28	46
93-39-0189	7073601	1473790	4-68	2	305	24,655	3.46	854	67	20,235	3.42	692	4-72		31	713	.01	27	44
93-39-0209	7376713	1347940	1-68	1	305	23,620	2.83	668	144	17,560	3.30	580	1-72		36	993	-.06	26	51
93-39-0217	6337367	1441349	4-65	3	305	22,036	3.54	779	80	17,743	3.47	615	5-71		34	815	-.01	28	48
93-39-0233	6848244	1471445	8-67	2	305	20,375	3.99	813	51	16,565	3.86	639	7-71		40	636	.05	31	45
93-39-0241	7691655	1347940	12-68	1	305	18,680	4.11	768	54	16,250	3.83	622	7-71		36	713	.03	30	46
93-39-0241	7691656	1347940	2-69	1	305	20,290	3.60	730	54	16,250	3.83	622	7-71		36	833	-.01	28	46
93-39-0241	7691657	1347940	5-69	1	305	19,100	3.72	711	54	16,250	3.83	622	7-71		36	744	-.01	26	44
93-40-0026	6271125	1242221	8-64	5	292	19,126	3.60	689	39	17,290	3.63	627	10-71		43	866	.00	31	52
93-40-9002	5812567	1242221	1-63	5	305	19,454	3.76	731	16	17,636	3.65	644	5-71		43	868	.02	34	54
93-40-9002	6012286	1411047	10-63	6	305	20,685	4.25	880	21	18,050	3.69	666	8-71		35	538	.14	40	49
93-40-9002	6115501	1242221	6-64	5	294	21,194	3.74	793	19	18,298	3.64	666	7-71		43	1,020	.02	40	64
93-40-9002	6489859	1242221	10-65	5	300	20,734	3.37	699	17	18,796	3.54	665	2-72		43	900	-.04	27	49
93-40-9002	6489860	1242221	10-65	4	305	25,238	3.62	914	15	18,923	3.55	671	4-71		42	1,452	.01	54	88
93-40-9002	6714614	1450228	11-66	3	305	23,593	3.53	832	24	18,196	3.61	656	6-71		41	1,199	-.03	38	67
93-40-9002	6714615	1242221	11-66	3	305	21,957	3.36	737	16	18,790	3.52	662	3-71		41	1,033	-.03	32	58

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C D	REPT (%)	.......C O W MILK (LB)	I N D E X....... FAT (%)	FAT (LB)	DOL-LARS
93-40-9002	6886106	1242221	4-67	3	305	23,270	3.45	803	23	17,767	3.72	661	9-71		41	1,298	-.04	40	$ 72
93-40-9002	7072486	1450228	12-67	2	305	22,215	3.69	819	27	17,800	3.61	642	8-71		39	1,036	-.02	35	60
93-40-9002	7072487	1242221	1-68	2	305	22,350	3.67	821	27	17,940	3.60	646	6-71		38	1,126	.01	42	69
93-40-9002	7228511	1242221	10-68	1	305	24,320	3.01	731	12	19,840	3.40	675	4-71		34	1,059	-.05	30	57
93-40-9002	7357302	1242221	1-69	1	305	19,440	3.68	715	30	17,400	3.73	649	8-71		34	852	.00	30	50
93-40-9029	5357269	1343108	5-61	7	305	24,749	3.12	772	60	18,156	3.55	644	4-71		32	1,105	-.11	23	52
93-40-9029	6463542	1440249	11-64	5	305	28,678	3.25	933	77	19,180	3.53	677	1-72		32	1,582	-.08	44	84
93-40-9029	6485072	1382958	2-65	4	305	26,112	3.88	1012	63	18,617	3.54	659	7-71		42	837	.06	40	58
93-40-9029	6791575	1399607	6-66	4	305	25,742	3.43	883	78	19,282	3.55	684	2-72		44	912	-.03	29	51
93-40-9029	6847408	1478014	2-67	3	305	22,153	3.56	789	139	17,537	3.65	640	11-71		42	822	.01	31	50
93-40-9029	6907135	1458744	9-66	2	305	24,230	3.57	865	71	17,025	3.74	636	8-71		40	1,208	-.02	40	69
93-40-9029	7107618	1458744	5-68	2	305	25,165	3.60	907	95	18,665	3.59	670	7-71		40	1,153	.00	41	69
93-40-9029	7126158	1478014	5-68	2	305	23,215	3.33	773	125	18,775	3.60	675	11-71		40	753	-.02	24	42
93-40-9029	7126904	1427381	5-68	2	305	24,760	3.30	817	108	19,255	3.54	682	1-72		40	1,329	-.01	47	79
93-40-9029	7187346	1471968	4-68	2	305	24,870	3.35	833	96	18,710	3.59	672	7-71		34	969	-.08	23	48
93-40-9029	7338526	1458744	2-69	1	305	22,840	3.46	790	70	19,730	3.45	680	3-72		36	750	-.01	26	44
93-40-9029	7343252	1481962	12-68	2	305	21,695	3.73	809	93	19,590	3.50	686	2-72		33	617	.04	29	42
93-40-9029	7648359	1458744	2-70	1	305	26,060	3.43	895	47	19,660	3.46	680	4-72		36	995	-.01	34	58
93-42-9012	6831483	1427604	3-67	3	298	24,253	3.66	888	84	17,187	3.71	638	8-71		33	1,146	.00	42	69
93-48-0024	5831911	1199324	1-63	3	301	23,127	3.50	810	7	17,700	3.56	631	11-71		42	1,109	-.02	37	64
93-49-0096	6831484	1427604	3-67	2	294	22,420	3.91	876	45	16,630	3.80	632	3-72		30	883	.04	38	56
93-49-0165	6577532	1421797	8-65	3	301	21,646	3.14	680	48	16,046	3.46	555	11-71		32	889	-.09	19	43
93-49-0165	6577539	1458744	7-66	3	305	20,440	3.41	697	50	17,066	3.42	583	3-72		42	854	-.01	29	50
93-49-0165	6590493	1421797	4-65	2	304	21,925	3.26	715	45	16,045	3.45	554	7-71		29	838	-.06	21	43
93-49-0165	7044000	1377954	11-67	2	279	19,295	3.51	677	70	15,945	3.45	550	6-71		40	709	.02	28	44
93-49-0165	7580715	1387978	6-68	2	275	19,295	3.68	710	70	15,945	3.44	549	6-71		40	760	.02	30	48
93-49-0165	7580717	1387978	6-68	1	305	25,310	3.32	841	64	15,920	3.44	548	2-71		36	1,140	-.03	36	64
93-49-0182	5652503	1199324	12-61	4	280	18,145	3.81	691	36	15,620	3.75	585	1-72		44	763	.00	28	46
93-49-0182	6073531	1199324	12-62	3	295	19,557	3.43	670	36	15,253	3.82	583	7-71		42	952	-.05	26	50
93-49-0182	6310558	1242221	3-65	2	303	21,435	3.49	749	43	15,940	3.81	608	5-71		38	1,219	-.04	38	66
93-49-0222	6126210	1433688	8-64	3	305	22,577	3.53	798	18	16,723	3.64	608	12-71		29	868	-.02	29	50
93-49-0276	5138251	1354039	7-60	3	305	22,490	3.69	831	17	18,133	3.44	623	1-71		29	674	.04	31	46
93-49-0276	5574115	1178318	12-61	4	296	23,825	3.13	745	18	17,105	3.51	600	4-72		41	978	-.07	24	49
93-49-0276	6109592	1378585	3-64	4	294	27,090	2.82	765	16	17,755	3.53	626	3-72		34	1,489	-.19	24	65
93-49-0276	6376461	1330987	8-65	3	291	18,980	3.98	756	21	17,410	3.44	599	11-71		42	504	.11	34	43
93-49-0277	5890497	1401250	5-63	2	305	21,740	3.38	735	52	16,375	3.49	571	4-71		32	998	-.08	23	49
93-49-0277	7004289	1242221	9-67	1	305	22,970	3.73	857	15	17,170	3.47	596	2-71		34	1,140	.03	45	71
93-49-0277	7287060	1388586	7-68	1	305	26,060	3.32	866	37	17,010	3.43	583	6-71		35	1,006	-.09	22	49
93-49-0312	5905998	1252231	8-63	3	305	21,057	4.06	855	20	16,640	3.61	600	10-71		39	550	.11	37	47
93-49-0339	6530685	1399824	3-66	4	305	21,245	3.48	740	18	16,538	3.63	600	3-72		44	914	-.01	32	54
93-49-0339	6612023	1399824	9-66	4	301	21,825	3.27	714	22	16,200	3.64	589	1-72		44	1,023	-.04	30	56
93-49-0339	6891378	1399824	7-67	3	305	22,807	3.33	759	22	17,813	3.63	646	4-72		42	927	-.03	29	52
93-49-0342	7572457	1521958	7-69	1	305	25,790	3.22	830	13	18,150	3.55	645	7-71		24	934	-.04	28	51
93-49-0364	6874540	1330987	4-67	1	305	23,900	3.30	789	11	18,350	3.41	625	3-72		36	761	.02	30	48
93-49-0364	7349735	1458744	8-67	2	300	21,495	3.53	758	7	17,685	3.49	617	3-72		40	870	.00	31	52
93-49-0364	7572458	1521958	8-69	1	305	23,080	3.54	817	19	18,010	3.40	613	1-72		24	703	.03	30	46
93-49-9065	7217285	1385225	4-68	1	305	18,840	4.21	794	26	16,010	3.62	579	5-71		35	634	.05	31	45
93-49-9101	6012288	1403591	9-63	5	304	23,968	3.49	836	103	18,276	3.75	686	2-71		39	728	-.01	25	43
93-49-9101	6180811	1271810	8-64	5	305	22,562	3.66	825	103	18,582	3.76	699	1-72		44	850	-.04	24	45
93-49-9101	6571257	1470223	5-66	3	305	21,763	3.98	867	99	18,516	3.82	707	5-71		32	604	.06	31	44
93-49-9101	6600885	1449151	7-66	3	305	22,190	3.75	832	115	18,280	3.91	714	8-71		33	771	-.03	23	42
93-49-9101	6811230	1470223	4-67	3	304	21,966	4.21	924	108	19,390	3.83	743	12-71		32	526	.10	34	44
93-49-9101	6826473	1406271	4-67	2	305	23,225	3.60	836	120	19,370	3.92	760	12-71		40	826	.00	30	50
93-49-9101	6882311	1470223	9-67	2	305	22,660	4.01	909	100	18,910	3.83	724	5-71		29	617	.06	31	44
93-49-9101	7015365	1470223	2-68	2	298	23,065	3.83	884	121	18,600	3.97	738	8-71		29	699	.01	27	43
93-49-9101	7160367	1458744	6-68	2	305	26,025	3.71	966	69	19,315	3.82	738	1-72		40	1,181	-.01	41	69
93-49-9101	7319491	1399824	5-69	1	303	26,450	3.36	889	114	19,520	4.05	790	9-71	H	36	900	-.05	25	48
93-49-9281	6417772	1410237	11-65	4	305	27,030	4.19	1133	55	18,877	3.76	709	2-72		41	1,012	.14	58	78
93-49-9281	6867203	1488495	12-66	3	305	24,653	4.04	995	84	18,860	3.78	712	11-71		34	774	.10	43	59
93-49-9281	7017737	1308796	3-67	3	305	27,827	3.50	974	73	19,247	3.74	720	1-72		42	1,102	-.08	28	56
93-49-9281	7427432	1242221	8-69	1	305	23,020	3.75	863	94	19,370	3.79	734	12-71		34	991	.00	36	50
93-49-9281	7441707	1428104	2-69	1	305	27,280	3.47	946	95	18,580	3.81	708	10-71		35	1,162	-.10	26	57
93-50-0008	7267641	010287171	1-69	1	305	27,130	3.08	836	7	18,650	3.87	722	4-71		35	1,007	-.14	15	43
93-50-0062	6386771	1258673	10-67	3	303	26,153	3.46	905	22	19,773	3.36	664	1-72		42	638	.13	43	55
93-50-0072	6429008	1404152	11-65	4	303	24,298	3.04	738	37	17,915	3.54	635	11-71		30	1,024	-.12	18	46
93-50-0072	6931236	010275932	10-67	2	305	24,840	3.56	885	42	19,335	3.55	686	12-71		40	732	.02	29	46
93-50-0072	7235595	1427381	2-69	1	305	22,100	3.79	838	41	19,790	3.64	720	11-71		36	980	.06	44	66
93-50-0084	5731173	1320747	9-62	5	305	19,892	4.50	895	117	17,488	3.64	636	5-71		42	595	.16	45	55
93-50-0084	6758918	1438332	10-66	4	305	23,150	3.62	837	157	18,087	3.71	671	1-72		42	943	-.05	27	51
93-50-0084	6797460	1444935	12-66	4	305	22,912	3.76	862	151	18,375	3.67	674	12-71		39	851	.02	33	53
93-50-0084	6924887	1468358	7-67	3	305	25,006	3.00	751	163	18,456	3.71	685	12-71		40	1,074	-.14	17	46
93-50-0084	6962825	1471445	8-67	2	305	24,295	3.39	823	173	19,235	3.69	710	12-71		40	790	-.02	26	45
93-50-0084	6962830	1385225	9-67	2	305	24,775	3.35	829	156	19,045	3.67	698	12-71		40	1,015	-.05	29	55
93-50-0084	7018359	1458744	11-67	3	305	23,730	3.62	860	140	19,386	3.62	702	3-72		42	902	-.01	35	59
93-50-0084	7050961	1486740	12-67	3	305	23,766	4.00	951	164	19,296	3.61	697	1-72		39	690	.05	33	48
93-50-0084	7125534	1458744	1-68	3	305	23,120	3.55	821	154	19,396	3.61	701	2-72		42	921	-.01	31	53
93-50-0084	7454394	1458744	5-69	1	305	24,760	3.57	885	175	20,180	3.75	756	12-71		36	863	-.02	28	49
93-50-0084	7488773	1422655	7-69	1	305	24,820	3.44	854	123	18,310	3.66	671	8-71		33	757	.00	28	46
93-50-0084	7488777	1392858	7-69	1	305	23,690	4.29	1016	181	20,130	3.74	753	12-71		36	511	.10	33	43
93-50-0084	7518118	1385225	9-69	1	305	25,940	3.91	1013	171	20,000	3.75	750	12-71		35	899	.02	36	57
93-50-0084	7518120	1347940	9-69	1	305	27,340	3.40	930	124	18,320	3.67	673	8-71		36	1,220	-.03	39	69
93-50-0084	7750453	1236789	3-70	1	305	26,030	3.40	884	90	20,170	3.74	755	4-72		35	838	-.03	25	46
93-50-0121	5900588	1189870	10-63	6	305	20,830	3.40	709	117	15,550	3.61	561	12-71		44	893	-.03	28	50
93-50-0121	7168282	1427381	10-68	1	305	26,000	4.07	1057	55	18,630	3.58	667	2-72		36	1,348	.10	64	93
93-50-0121	7495175	1448297	9-69	1	305	25,330	3.30	835	59	18,460	3.60	665	1-72		35	912	-.08	21	45

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C O	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
93-50-0152	7090711	1458744	2-68	2	305	17,170	3.44	590	77	13,980	3.49	488	9-71		40	769	-.02	25	$ 44
93-50-0152	7090714	1458744	3-68	2	305	17,225	3.87	666	57	14,350	3.50	502	3-72		40	741	.03	32	49
93-50-0152	7621008	1458744	6-69	1	305	21,720	3.08	668	77	14,310	3.56	510	11-71		36	1,030	-.06	28	54
93-50-0177	6305939	1439119	1-65	5	301	21,744	3.46	753	42	16,400	3.57	585	3-72		35	913	-.03	29	51
93-50-0177	6489607	1282936	2-66	4	305	22,693	3.30	749	67	16,675	3.55	592	4-71		44	946	-.05	26	5[illegible]
93-50-0177	6846052	1456734	12-66	3	305	21,340	3.86	823	62	16,417	3.72	610	9-71		32	715	.04	32	48
93-50-0177	6965131	1480174	4-67	2	305	22,570	3.72	839	46	16,540	3.65	604	12-70		29	876	.04	38	56
93-50-0213	5167665	1340669	10-60	5	302	24,268	3.36	816	54	18,730	3.68	689	2-72		44	987	-.12	17	44
93-50-0213	6162478	1410984	8-64	4	305	26,515	3.82	1013	64	18,490	3.68	681	9-71		44	913	.07	43	63
93-50-0213	6494140	1450228	2-66	4	305	24,292	3.66	888	71	19,085	3.68	702	11-71		42	1,227	-.02	41	71
93-50-0213	6500727	1434497	3-65	4	305	23,133	3.67	849	66	18,805	3.69	694	10-71		30	725	.01	27	44
93-50-0213	6554622	1412041	4-66	3	305	22,297	4.07	907	58	18,450	3.68	679	2-72		29	606	.09	35	47
93-50-0213	7282855	1515464	9-67	2	305	24,330	3.53	859	81	18,170	3.70	672	7-71		29	1,093	-.03	34	61
93-50-0213	7282857	1515464	10-67	2	305	21,105	3.99	843	86	18,190	3.68	669	5-71		29	700	.04	32	47
93-50-0213	7337994	1515464	10-67	2	305	24,740	3.75	928	88	17,950	3.69	663	5-71		29	1,166	.01	43	71
93-50-0213	7547417	1502023	11-68	1	305	23,760	3.40	808	90	16,500	3.66	604	5-71		23	864	-.04	25	47
93-50-0255	6991797	1330987	2-67	3	305	20,730	3.13	648	151	16,320	3.55	579	10-71		42	818	-.04	24	44
93-50-0255	6991803	1471750	10-67	3	305	24,050	3.09	743	107	16,920	3.49	590	2-72		32	1,072	-.10	23	51
93-50-0255	6991808	1422655	6-67	1	305	20,380	3.95	805	101	16,190	3.51	568	1-71		33	557	.07	31	42
93-50-0255	7183120	1422655	8-68	2	301	19,845	3.86	767	116	16,240	3.57	580	11-71		37	601	.07	32	44
93-50-0255	7360402	1503920	10-68	2	299	21,885	3.26	713	129	15,810	3.61	570	9-71		29	843	-.07	20	42
93-50-0255	7479748	1526881	9-69	1	305	23,670	3.36	796	141	17,400	3.49	607	12-71		23	858	-.03	26	47
93-50-0255	7513263	1525356	9-69	1	301	20,500	3.80	780	159	17,680	3.48	615	12-71		25	617	.05	30	43
93-50-0255	7703471	1526881	12-69	1	305	23,170	3.25	753	127	17,560	3.43	603	1-72		23	800	-.05	22	42
93-50-0307	7089922	1387978	4-68	2	305	22,780	3.11	708	71	17,005	3.82	650	9-71		40	1,016	-.10	21	48
93-50-0307	7135069	1385225	8-68	1	305	21,080	3.91	825	62	17,810	3.85	686	6-71		35	681	.01	26	42
93-50-0307	7145507	1222994	7-68	2	305	21,280	3.80	808	75	17,740	3.77	668	11-71		40	667	.02	27	42
93-50-0324	4607318	1113350	6-57	6	305	24,143	3.06	739	56	16,815	3.65	613	11-71		44	964	-.12	17	43
93-50-0324	6708621	1467291	9-66	4	305	27,152	3.40	924	60	17,457	3.64	635	3-72		36	1,589	-.04	51	9[illegible]
93-50-0324	6759252	1242221	1-67	3	300	22,933	3.76	863	63	16,940	3.64	617	7-71		41	1,346	.02	52	83
93-50-0324	7081621	1330987	1-68	2	305	24,335	3.50	851	64	16,705	3.67	613	7-71		40	1,097	.01	41	67
93-50-0324	7171795	1330987	7-68	2	305	19,680	3.81	750	72	16,910	3.60	608	12-71		40	505	.06	31	44
93-50-0324	7451657	1357743	6-69	1	305	26,960	3.32	894	64	17,290	3.56	615	1-72		36	857	-.06	22	44
93-50-0324	7531763	1464901	11-69	1	305	24,270	3.35	814	63	17,700	3.58	634	2-72		33	1,170	-.05	35	64
93-50-0324	7531767	1458744	9-69	1	305	22,000	3.76	828	63	17,730	3.58	634	2-72		36	822	.02	32	51
93-50-0349	5931175	1199324	7-63	4	301	18,060	3.68	664	55	15,723	3.60	566	8-71	8	44	741	.00	27	45
93-50-0349	6428720	1330987	2-65	4	299	17,128	4.37	748	66	15,588	3.63	566	8-71		44	487	.14	38	46
93-50-0349	6601179	1330987	11-65	2	305	19,495	3.78	737	96	16,555	3.62	599	4-71		40	619	.06	31	44
93-50-0354	6584272	1244009	8-64	2	305	19,675	3.26	641	28	13,300	3.44	457	1-72		40	1,056	-.07	28	55
93-50-0363	6492548	1341571	2-66	4	305	20,727	4.09	848	24	18,650	3.58	667	10-71		37	469	.16	41	48
93-50-0363	7184643	1242221	10-68	1	305	22,040	3.41	752	29	17,910	3.59	643	3-71		34	1,017	-.02	34	59
93-50-0403	7737005	1366011	7-69	1	305	20,380	3.68	750	13	16,770	3.36	564	2-72		33	672	.06	33	47
93-50-0404	6384883	1435307	7-65	3	302	20,867	3.65	761	21	16,880	3.79	639	3-71		33	815	-.02	26	40
93-50-0404	6526232	1244009	10-65	2	305	22,975	3.49	801	27	17,720	3.75	665	6-71		40	987	-.07	25	5[illegible]
93-50-0404	6579427	1347940	6-66	4	295	22,852	3.60	822	22	17,307	3.75	649	2-72		44	1,161	-.02	39	66
93-50-0404	6919371	1467291	7-67	3	301	22,833	4.04	923	18	18,083	3.70	669	1-72		34	863	.09	45	63
93-50-0404	7870316	1242221	7-69	1	305	19,420	3.78	734	20	16,880	3.78	638	8-71		34	887	.01	33	54
93-50-0409	6648965	1329588	9-65	3	305	24,270	3.82	928	77	21,350	3.55	757	6-71		42	616	.04	28	42
93-50-0409	6750821	010291309	12-66	2	305	26,205	3.75	982	97	22,335	3.61	807	4-71		35	666	.03	29	44
93-50-0409	6925321	1244009	10-67	2	305	26,060	3.78	986	88	22,590	3.57	806	3-71		40	855	.00	31	51
93-50-0409	7155623	1347940	8-68	2	305	31,195	3.12	973	112	22,535	3.72	839	1-72		40	1,449	-.12	34	72
93-50-0409	7184627	1242221	9-68	2	305	25,590	3.54	907	117	22,675	3.71	841	2-72		38	1,019	-.02	33	58
93-50-0409	7373505	1244009	12-68	1	305	30,050	3.71	1115	116	22,000	3.61	795	2-71		36	1,103	-.02	36	63
93-50-0409	7581041	1244009	11-69	1	305	30,570	3.63	1111	91	23,680	3.70	875	3-72		36	1,029	-.04	31	57
93-50-0421	5585501	1320002	1-62	4	305	19,670	3.66	719	32	15,673	3.64	570	4-71		35	697	.00	25	42
93-50-0421	7083512	1468358	12-67	3	305	22,556	3.20	722	33	17,330	3.53	611	4-72		40	902	-.08	21	45
93-50-0421	7135310	1488805	7-68	2	305	20,235	3.54	716	40	15,205	3.57	543	10-71		30	751	-.03	23	42
93-50-0421	7443594	1466757	5-69	1	305	21,940	3.59	788	40	16,260	3.51	570	11-71		28	852	.00	30	5[illegible]
93-50-0426	6290513	1435307	1-65	4	305	19,630	3.27	641	43	14,285	3.59	513	2-72		35	1,008	-.07	26	52
93-50-0426	6391014	1435307	7-65	3	305	22,120	3.13	693	40	14,710	3.49	514	3-71		33	1,242	-.08	32	64
93-50-0426	7063883	1339836	2-68	2	305	22,970	3.43	789	56	14,110	3.59	506	8-71		39	1,017	-.06	28	54
93-50-0426	7394795	1422655	7-69	1	305	19,150	4.42	846	40	15,750	3.57	562	11-71		33	491	.12	35	44
93-50-0546	6577453	1242221	5-66	3	305	20,233	3.11	630	23	15,830	3.56	563	1-72		41	1,145	-.07	30	59
93-50-0546	7285105	1347940	11-68	1	305	17,680	3.57	631	55	15,070	3.57	538	12-71		36	718	.00	26	43
93-50-0567	5641845	1367955	7-62	3	291	18,790	4.25	799	12	14,923	3.83	571	12-71		29	559	.09	34	45
93-50-0567	7059612	1416897	11-67	2	305	21,975	4.13	907	12	16,960	3.84	651	1-72		40	364	.04	37	57
93-50-0599	5653881	1199324	7-62	2	305	23,970	3.48	833	119	18,350	3.55	652	12-71		40	1,073	-.02	35	61
93-50-0599	5863357	1239242	6-63	6	300	21,073	3.91	823	92	17,237	3.66	631	10-71		44	680	.04	31	46
93-50-0599	6153725	1294703	6-64	3	305	23,073	3.27	754	97	18,337	3.57	654	2-72		42	964	-.08	22	47
93-50-0599	6867208	1237057	5-67	2	305	23,075	3.71	855	92	19,070	3.49	666	2-72		40	733	.00	26	4[illegible]
93-50-0599	7208520	1496424	6-68	2	299	21,610	3.98	860	103	17,570	3.69	649	9-71		30	568	.07	35	49
93-50-0599	7372365	1496354	3-69	1	305	25,820	3.54	913	103	18,810	3.55	667	12-71		23	846	-.01	29	49
93-50-0599	7405134	1427381	4-69	1	305	23,610	3.80	898	107	18,850	3.53	666	12-71		36	1,155	.07	52	76
93-50-0599	7405135	1427381	4-69	1	305	22,540	3.78	851	107	18,850	3.53	666	12-71		36	1,075	.07	49	73
93-50-0599	7405136	1427381	5-69	1	106	21,330	3.28	700	107	18,850	3.53	666	12-71	8	36	985	.01	37	6[illegible]
93-50-0599	7405137	1427381	5-69	1	305	27,800	3.81	1059	107	18,850	3.53	666	12-71		36	1,467	.07	64	97
93-50-0599	7541765	1427381	9-69	1	305	25,220	3.59	906	35	19,220	3.42	658	3-72		36	1,250	.05	53	81
93-50-0605	6442922	1414609	12-65	2	305	23,090	3.97	916	18	15,830	3.71	588	5-71		29	1,039	.07	48	71
93-50-0605	6477722	1244009	11-65	5	302	19,688	3.72	733	57	17,204	3.65	628	3-72		44	747	-.02	24	42
93-50-0605	7474303	1458744	11-69	1	298	18,220	3.81	695	30	15,240	3.65	556	10-71		36	707	.01	27	44
93-50-0647	6856780	1478014	7-67	3	302	20,900	3.63	758	83	15,743	3.87	609	2-72		42	864	.00	31	52
93-50-0671	6107235	1427381	6-64	5	305	22,876	3.22	737	27	17,806	3.61	643	8-71		44	1,370	-.03	44	78
93-50-0671	7442249	1427381	8-69	1	305	18,310	4.23	774	13	16,470	3.79	625	12-71		36	920	.08	46	60
93-50-0671	7508041	1427381	7-69	1	305	20,770	3.81	791	13	16,470	3.79	625	12-71		36	1,103	.05	47	72
93-50-0674	7686046	1438535	4-69	1	305	22,340	3.62	808	18	17,090	3.66	625	2-72		34	769	.03	32	5[illegible]

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C D	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
93-50-0682	7064400	1481962	2-68	2	292	19,975	3.81	761	39	16,535	3.66	606	6-71		33	734	.04	32	$ 48
93-50-0682	7066301	1481962	12-67	2	187	20,315	3.35	680	39	16,240	3.56	578	4-71		33	803	-.02	26	46
93-50-0699	7101323	1242221	6-68	2	305	19,310	3.31	640	15	15,495	3.71	575	11-71		38	1,038	-.05	30	56
93-50-0775	6333028	1427381	4-65	5	282	22,796	3.42	779	36	19,068	3.61	689	10-71		44	1,213	.00	44	73
93-50-0775	7083398	1427381	5-68	1	305	20,610	3.74	771	22	17,700	3.59	635	12-71		36	1,009	.06	45	67
93-50-9109	5299188	1341571	2-61	5	305	23,178	4.09	947	40	15,980	3.68	588	8-70		38	1,185	.15	66	90
93-50-9109	5594073	1341571	3-62	5	305	22,754	4.27	972	39	16,386	3.66	600	11-71		38	1,070	.19	68	88
93-50-9109	5694639	1341571	9-62	4	303	18,537	4.35	807	44	15,920	3.64	580	1-71		37	506	.19	46	53
93-50-9109	5845126	1341571	1-63	6	305	18,686	3.80	711	27	15,676	3.69	579	7-71		38	573	.08	33	44
93-50-9109	5845129	1341571	2-63	6	305	19,945	3.89	775	34	15,311	3.70	567	8-71		38	803	.10	44	60
93-50-9109	6326141	1341571	1-65	3	305	20,873	3.63	757	35	16,000	3.66	585	10-70		35	778	.06	37	54
93-50-9109	6463560	1385036	10-64	5	305	21,654	3.49	756	36	16,074	3.70	595	11-71		44	900	-.06	23	46
93-50-9109	6614663	1341571	7-66	4	305	21,565	3.06	660	50	16,920	3.63	615	2-72		37	802	-.05	21	42
93-50-9109	6714344	1466747	11-66	4	299	21,945	3.36	737	52	16,725	3.67	614	2-72		42	811	-.05	21	42
93-50-9109	6945555	1354967	1-68	2	305	22,985	3.85	885	53	17,210	3.73	642	5-71		35	593	.06	31	43
93-50-9109	7242497	1492329	11-68	1	305	26,840	3.41	916	60	17,310	3.72	644	5-71		19	933	-.04	27	50
93-50-9109	7466066	1466747	9-69	1	305	22,940	3.97	911	48	16,980	3.65	619	11-71		35	616	.04	28	42
93-50-9149	4491935	1242554	9-57	3	305	27,480	3.67	1008	45	16,637	3.69	614	11-71		29	1,577	.01	58	95
93-50-9149	5821521	1383926	12-62	5	305	24,054	3.70	889	38	16,268	3.76	612	11-70		44	1,230	.02	48	77
93-50-9149	6041121	1330987	9-63	4	305	20,540	4.41	906	37	17,650	3.55	627	2-72		44	679	.18	51	62
93-50-9149	7069913	1427381	3-68	2	305	19,035	4.00	761	52	16,965	3.72	631	11-71		40	957	.07	46	67
93-50-9149	7102264	1427381	5-68	2	305	20,200	3.98	803	42	18,310	3.66	670	1-72		40	953	.08	47	67
93-50-9149	7211397	1427381	1-69	1	305	18,650	3.99	745	64	16,580	3.70	614	9-71		36	938	.07	44	65
93-50-9149	7382115	1458744	4-69	1	305	23,040	3.47	799	64	16,500	3.72	613	7-71		36	982	-.03	31	55
93-50-9162	5694638	1341571	9-62	4	305	20,237	3.55	718	21	15,705	3.58	563	6-71		37	769	.05	36	53
93-50-9162	5852554	1386287	6-63	6	305	22,358	3.47	775	25	16,740	3.57	597	2-72		40	955	-.04	29	53
93-50-9165	6107217	1276654	4-64	4	305	25,490	3.80	969	48	22,060	3.66	808	2-72		44	643	.03	28	42
93-50-9165	6272796	1148993	10-64	4	305	23,280	3.88	904	36	20,403	3.79	774	4-71		42	624	.04	29	43
93-50-9165	6538625	1427381	3-66	4	305	26,087	3.78	986	40	20,995	3.65	766	11-71		44	1,391	.06	60	91
93-50-9165	6538626	1427381	4-66	4	305	23,812	3.82	909	43	20,792	3.66	762	10-71		44	1,133	.07	51	76
93-50-9165	6625302	1427381	7-66	4	305	25,352	3.81	965	41	20,830	3.66	762	10-71		44	1,319	.07	58	88
93-50-9165	6660571	1427381	9-66	3	305	24,766	4.11	1017	41	22,016	3.69	813	2-72		42	1,101	.12	58	81
93-50-9165	6660573	1427381	10-66	3	305	25,000	4.14	1034	40	21,616	3.70	800	12-71		42	1,169	.12	61	85
93-50-9165	6689317	1427381	12-66	3	305	26,560	3.86	1024	39	20,886	3.73	780	8-71		42	1,424	.07	62	94
93-50-9165	6761511	1427381	3-67	3	305	26,976	3.60	972	39	21,883	3.68	805	12-71		42	1,369	.02	53	85
93-50-9165	6979521	1427381	2-68	2	305	26,670	3.76	1002	45	21,090	3.79	800	7-71		40	1,356	.04	55	86
93-50-9165	7083399	1427381	5-68	2	305	24,525	3.72	912	43	22,650	3.68	833	2-72		40	995	.05	43	65
93-50-9165	7110007	1427381	7-68	2	305	31,110	3.31	1029	43	22,435	3.68	825	2-72		40	1,683	-.03	56	97
93-50-9165	7126655	1427381	8-68	2	305	26,950	3.60	971	46	22,465	3.68	827	1-72		40	1,258	.03	50	79
93-50-9165	7126656	1427381	9-68	2	205	27,850	3.63	1010	44	21,835	3.74	816	10-71	B	40	1,407	.03	55	88
93-50-9165	7190583	1427381	11-68	1	305	23,560	4.07	959	47	21,950	3.83	840	12-70		36	944	.07	45	66
93-50-9165	7260856	1427381	12-68	2	305	25,920	3.89	1007	35	22,715	3.67	833	3-72		40	1,131	.08	53	78
93-50-9165	7260857	1427381	12-68	1	305	28,870	3.89	1122	45	22,160	3.83	849	3-71		36	1,325	.06	57	87
93-50-9165	7260858	1427381	3-69	1	305	26,150	3.87	1012	38	21,630	3.81	824	5-71		36	1,158	.05	50	76
93-50-9165	7316199	1427381	4-69	1	305	28,300	3.70	1048	40	22,630	3.61	817	10-71		36	1,251	.05	53	81
93-50-9165	7370146	1427381	8-69	1	305	26,260	3.77	991	36	21,420	3.68	788	8-71		36	1,180	.05	51	78
93-50-9165	7428899	1427381	9-69	1	305	25,250	4.06	1024	36	23,150	3.57	827	11-71		36	989	.10	51	72
93-50-9165	7443392	1427381	12-69	1	305	26,550	3.34	888	29	23,080	3.54	816	3-72		36	1,091	.01	41	67
93-50-9165	7755405	1427381	11-69	1	305	28,910	3.30	955	29	23,080	3.54	816	3-72		36	1,266	.00	46	76
93-50-9208	5846591	1366238	5-63	3	305	22,403	3.48	779	109	17,443	3.58	625	8-70		33	725	.00	26	43
93-50-9208	6832155	1435117	11-66	4	304	22,330	3.43	766	158	17,867	3.62	646	3-72		35	781	-.03	23	43
93-50-9208	6890402	1366238	4-67	3	301	21,243	3.90	828	143	17,580	3.67	646	2-72		33	553	.07	31	42
93-50-9208	7026608	1435117	12-67	3	305	22,706	3.59	816	173	18,076	3.68	665	2-72		33	762	-.01	26	44
93-50-9208	7305315	1459453	11-67	3	305	22,226	4.08	907	185	18,160	3.67	666	3-72		32	758	.08	39	55
93-50-9208	7305318	1459453	4-68	2	305	22,635	3.63	822	190	17,555	3.73	655	6-71		29	809	-.02	26	46
93-50-9258	5788380	1399607	9-62	6	300	27,848	3.40	947	132	16,718	3.59	600	3-71		44	1,519	-.04	48	85
93-50-9258	5788381	1399607	9-62	7	305	24,455	3.33	814	152	17,395	3.60	626	7-71		44	1,003	-.05	28	53
93-50-9258	5788394	1382958	11-62	5	304	24,982	3.47	866	140	17,094	3.60	615	7-71		43	920	-.03	28	51
93-50-9258	6481875	1304593	11-64	5	303	22,522	3.93	885	173	18,250	3.64	665	11-71		36	585	.08	33	45
93-50-9258	6490259	1240549	6-65	4	305	25,400	3.47	881	131	18,558	3.67	681	11-71		44	909	-.02	30	52
93-50-9258	6491210	1242221	3-65	5	305	24,366	3.37	822	167	18,302	3.64	667	2-72		43	1,442	-.06	43	79
93-50-9258	6524809	1222994	4-65	5	305	25,828	3.49	901	161	18,478	3.65	675	1-72		44	1,256	-.03	41	72
93-50-9258	6527287	1399607	2-66	4	303	23,487	3.54	832	138	18,220	3.63	661	6-71		44	752	-.01	26	44
93-50-9258	6527296	1240549	1-66	4	305	23,138	3.77	872	134	18,260	3.66	669	9-71		44	662	.04	30	45
93-50-9258	6727944	1399607	9-66	3	305	23,843	3.64	869	137	18,440	3.69	681	8-71		42	723	.00	26	43
93-50-9258	6757511	1416774	10-66	3	305	24,570	3.44	844	128	18,873	3.66	691	9-71		33	809	-.04	23	43
93-50-9258	6774567	1240549	11-66	3	305	23,517	3.76	885	131	18,383	3.70	681	10-71		42	649	.03	28	43
93-50-9258	6774573	1406271	7-66	3	304	20,203	3.83	773	144	18,543	3.65	676	5-71		42	609	.06	31	44
93-50-9258	6782801	1399607	5-66	4	305	24,902	3.50	872	151	18,277	3.65	668	2-72		44	920	-.02	30	52
93-50-9258	6782809	1406271	5-66	2	305	20,890	3.84	802	136	19,260	3.68	709	10-71		40	599	.06	31	44
93-50-9258	6823093	1399607	1-67	2	305	24,405	3.46	844	144	17,800	3.73	664	8-70		40	762	-.03	23	42
93-50-9258	6853862	1317224	12-66	3	305	25,743	3.33	858	142	18,543	3.65	676	4-71		37	383	-.05	24	46
93-50-9258	6903941	1333969	8-67	3	305	24,670	3.65	901	168	18.893	3.66	692	2-72		41	527	.06	31	44
93-50-9258	6995295	1347940	9-67	2	305	23,420	3.64	852	151	19,195	3.71	712	1-72		40	965	-.01	33	56
93-50-9258	7123030	1347940	2-68	2	305	24,050	3.57	859	143	19,090	3.70	706	3-72		40	1,038	-.02	35	60
93-50-9258	7338217	1347940	9-68	1	305	27,560	3.57	984	156	18,930	3.60	681	4-71		36	1,195	.00	43	71
93-50-9258	7338218	1347940	12-68	1	305	21,510	3.78	813	160	19,010	3.63	691	7-71		36	739	.02	29	46
93-50-9258	7338229	1399824	12-68	1	305	26,480	3.57	946	164	18,910	3.61	683	6-71		36	943	.02	37	59
93-50-9258	7370589	1236789	6-69	1	305	27,060	3.13	848	147	20,110	3.65	735	1-72		35	920	-.07	23	47
93-50-9258	7615523	1492793	12-67	2	305	24,720	3.71	916	166	19,210	3.72	714	12-71		30	784	.01	30	46
93-50-9396	4719419	1247349	3-57	4	305	22,900	3.99	914	14	17,590	3.75	660	5-71		33	842	.06	40	58
93-50-9396	6600973	1458744	4-66	2	300	21,535	3.83	825	14	17,805	3.93	700	10-71		40	863	-.01	30	51
93-50-9396	6600974	1458744	4-66	1	305	21,690	3.66	793	18	16,900	3.85	651	9-70		36	354	-.02	28	49
93-50-9396	6600975	1458744	5-66	3	305	24,070	3.86	929	15	18,150	3.76	682	4-71		42	1,159	.02	45	72
93-50-9396	6970755	1488500	7-67	3	305	23,876	3.62	864	16	18,336	3.77	692	2-72		34	1,270	-.02	43	74

TABLE 3. HOLSTEIN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C D	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
93-50-9396	6970755	1467293	10-67	2	305	24,640	3.85	949	15	19,595	3.85	754	4-71		34	743	.02	30	$ 47
93-51-9015	7121263	1347940	6-68	2	305	16,940	3.57	605	53	14,385	3.62	521	2-72		40	746	-.01	26	44
93-51-9015	7349906	1347940	5-69	1	305	18,200	3.74	680	52	14,590	3.56	520	1-72		36	789	.02	31	49
93-52-0094	6616401	1466747	7-66	3	305	19,873	4.17	828	8	16,583	3.59	595	11-71		41	537	.08	32	43
93-52-0094	6903454	1341571	8-67	3	305	21,103	3.43	723	7	16,360	3.66	599	2-72		35	765	.02	31	49
93-54-0004	6076568	1375265	6-64	1	305	23,920	3.78	904	54	17,440	3.94	687	1-71		24	835	-.02	27	47
93-54-0040	6224455	1199324	9-64	3	305	21,983	3.34	734	254	19,300	3.56	687	2-72		42	812	-.05	22	43
93-54-0040	6740247	1242221	9-66	3	305	22,637	3.58	810	181	18,683	3.65	681	2-71	A	41	1,125	-.01	39	66
93-54-0040	6781864	1271557	5-65	2	305	26,105	3.61	943	237	19,375	3.61	699	12-71		40	845	-.06	21	43
93-54-0040	7107764	1413165	7-67	2	305	25,830	3.34	864	236	18,955	3.66	693	8-71		40	1,075	-.13	19	48
93-54-0040	7201040	1413165	1-67	3	305	24,866	3.29	819	198	18,653	3.62	676	8-71		42	1,083	-.14	18	48
93-54-0040	7237126	1413165	3-67	3	305	26,093	3.48	909	209	18,880	3.59	678	1-72		42	1,201	-.10	28	59
93-54-0040	7347126	1314165	7-67	3	305	25,420	3.34	850	216	18,847	3.65	687	11-71		29	1,000	-.07	26	52
93-54-0040	7360790	1347940	4-69	1	305	22,240	3.47	771	253	18,790	3.68	691	8-71		36	808	-.02	26	46
93-54-0040	7431473	1236789	12-67	2	298	22,165	3.89	862	209	19,535	3.57	698	2-72		40	651	.05	31	45
93-54-0040	7453148	1236789	12-67	2	305	24,600	3.31	814	190	19,400	3.61	700	6-71		40	912	-.05	26	49
93-54-0040	7537863	1383004	8-68	2	305	25,445	3.52	895	248	19,440	3.63	706	11-71		40	621	.08	34	47
93-54-0040	7633433	1392858	9-68	2	305	26,780	3.51	939	284	19,770	3.58	707	1-72		40	957	.02	37	59
93-54-0065	7423429	1518939	3-69	1	305	20,550	3.77	774	27	17,590	3.54	623	6-71		26	673	.01	26	42
93-54-0065	7423437	1524417	9-69	1	305	26,280	3.30	867	31	18,030	3.58	646	10-71		19	819	-.04	23	44
93-54-0066	7232853	1478014	8-68	2	305	20,680	3.61	747	31	16,755	3.69	618	11-71		40	680	.02	27	43
93-54-0066	7287981	1522330	9-68	1	305	24,290	3.38	822	14	17,030	3.45	588	6-71		24	1,063	-.02	36	62
93-54-0066	7372648	1522330	1-69	1	305	21,850	3.59	784	14	17,030	3.45	588	6-71		24	845	.02	33	53
93-54-0088	5840848	1199324	6-62	1	305	21,040	3.56	749	14	15,360	3.73	573	8-71		36	922	-.03	29	52
93-54-0088	7554495	1458744	9-69	1	305	23,480	3.75	881	17	15,920	3.54	564	3-72		36	1,053	.01	40	65
93-54-0088	7817579	1458744	1-70	1	305	24,050	3.82	919	26	16,030	3.61	578	12-71		36	1,088	.02	42	67
93-54-0088	7916754	1458744	10-69	1	305	17,940	3.90	699	17	15,920	3.54	564	3-72		36	641	.03	27	42
93-54-0094	6079598	1237057	1-64	3	305	22,033	3.59	791	53	16,513	3.74	617	1-72		42	928	-.05	26	49
93-54-0094	6085548	1432424	4-64	2	305	25,170	3.47	874	54	17,440	3.74	652	3-72		30	1,065	-.05	31	58
93-54-0094	6364054	1242221	2-65	4	305	22,690	3.52	798	52	16,145	3.74	604	1-72		42	1,446	-.03	47	82
93-54-0094	6561872	1391977	1-66	3	305	22,486	3.70	833	49	16,040	3.82	612	7-71		42	725	-.01	24	42
93-54-0094	6998832	1237057	6-67	3	292	20,743	4.18	867	56	17,330	3.74	648	1-72		42	696	.04	31	47
93-54-0094	7418062	1385225	7-69	1	305	23,700	3.76	892	71	17,290	3.69	638	12-71		35	914	.01	34	56
93-54-0116	7362035	1505428	12-68	2	305	23,810	3.48	829	29	17,245	3.89	671	4-72		25	867	-.06	22	44
93-54-0116	7425536	1438535	7-69	1	305	21,390	3.63	776	58	17,480	3.91	684	2-72		34	669	.01	26	42
93-54-0307	6950089	1460654	6-67	1	305	23,520	4.57	1074	14	18,100	4.07	737	9-71		19	550	.09	34	45
93-54-9016	6381259	1335861	1-65	3	305	24,150	3.50	846	32	17,270	3.38	583	8-71		29	1,022	.01	39	[illegible]
93-54-9016	6513597	1441440	12-65	3	304	23,036	3.73	860	48	16,190	3.61	584	1-72		42	1,165	.04	49	[illegible]
93-54-9016	6851354	1308796	3-67	3	305	22,923	3.80	870	30	16,403	3.46	568	8-71		42	833	.01	32	[illegible]
93-54-9016	7332833	1464901	11-68	1	305	18,970	3.71	704	55	17,240	3.55	612	3-71		33	784	.00	28	47
93-54-9016	7339323	1416897	7-68	2	294	23,360	3.47	811	45	17,310	3.63	629	1-72		40	973	-.03	30	54
93-54-9016	7453156	1416897	8-68	2	305	21,580	3.61	778	41	17,470	3.65	638	12-71		40	777	-.02	25	44
93-54-9016	7453157	1416897	8-68	2	305	25,245	3.45	871	41	17,470	3.65	638	12-71		40	1,151	-.04	35	64
93-54-9016	7455027	1522634	9-68	1	305	24,190	2.97	719	53	17,730	3.52	624	5-71		25	1,170	-.16	18	[illegible]
93-54-9016	7455033	1522634	11-68	1	305	23,740	3.18	754	54	17,530	3.53	619	6-71		26	1,147	-.12	22	53
93-54-9016	7455034	1522634	11-68	1	305	24,260	3.10	751	54	17,530	3.53	619	6-71		26	1,192	-.13	22	54
93-54-9016	7455040	1522634	12-68	1	305	23,370	3.06	714	49	17,910	3.59	643	8-71		26	1,385	-.14	17	47
93-54-9021	7356445	1468358	7-69	1	305	24,250	3.42	829	15	17,410	3.85	670	11-71		33	826	-.06	21	42
93-54-9021	7471759	1385225	9-69	1	305	25,860	3.63	939	17	17,480	3.88	679	2-72		35	1,064	-.02	35	61
93-54-9038	6450031	1441952	9-65	3	305	23,896	3.37	805	46	18,650	3.47	647	8-71		32	817	-.04	23	44
93-54-9038	7140191	1383311	12-67	2	305	30,515	2.92	892	53	20,250	3.42	692	1-72		40	1,190	-.12	24	56
93-54-9038	7149508	1282936	1-68	2	305	26,540	3.59	952	54	20,530	3.38	693	1-72		40	857	.02	34	54
93-54-9038	7523810	1385225	9-69	1	305	25,010	3.27	819	56	21,440	3.33	713	1-72		35	731	-.02	24	42
93-54-9195	6438764	1444394	7-65	2	305	24,500	3.26	799	7	15,620	3.67	574	9-71		30	1,468	-.08	40	77
93-54-9195	6773179	1444394	9-65	3	305	20,680	3.45	713	9	18,263	3.49	637	6-71		33	752	-.02	24	42
93-54-9195	6812542	1444394	2-67	3	305	24,553	3.34	819	10	17,713	3.55	629	8-71		33	1,338	-.06	39	73
93-54-9195	6849231	1444394	2-67	3	305	23,450	3.08	722	11	18,290	3.45	631	5-71	A	33	1,120	-.09	26	55
93-54-9195	6997557	1444394	7-67	2	305	20,925	3.56	744	5	14,595	3.67	536	9-70		30	1,152	-.03	37	65
93-54-9195	7190875	1386406	3-68	2	305	24,100	3.44	828	14	18,915	3.45	653	4-71		40	815	.00	30	49
93-54-9195	7349739	1444394	10-67	3	305	21,653	3.61	781	9	15,810	3.59	568	12-71		33	1,179	-.01	41	69
93-54-9195	7393749	1518939	1-69	1	305	21,740	3.32	722	15	17,340	3.44	597	3-71		26	796	-.04	23	43
93-54-9195	7654192	1518939	4-70	1	305	25,170	3.23	813	9	19,220	3.40	653	4-72		26	946	-.05	27	51
93-54-9295	7163543	1323059	6-68	2	305	25,815	3.15	813	30	17,965	3.68	662	3-72		40	1,130	-.14	16	[illegible]
93-54-9367	6614379	1237057	11-65	4	300	25,618	3.67	939	51	18,943	3.67	695	3-71		44	1,144	-.03	37	65
93-54-9367	6892345	1237057	9-65	4	305	23,188	3.74	867	43	19,538	3.64	711	1-72		44	773	-.01	25	45
93-54-9367	7077422	1478014	3-67	1	305	30,960	3.33	1031	62	20,310	3.58	727	3-72		35	1,122	-.02	33	60
93-54-9369	7120674	1438080	5-68	2	305	21,045	3.46	728	56	17,655	3.64	643	12-71		33	856	-.03	26	47
93-54-9369	7120681	1458744	7-68	2	305	21,365	3.44	735	59	17,570	3.63	638	1-72		40	867	-.03	26	43
93-54-9369	7322590	1308101	2-69	1	305	20,330	3.81	775	66	15,540	3.73	580	9-71		36	980	-.01	34	58
93-54-9369	7489920	1428104	6-69	1	305	24,840	3.42	849	73	15,560	3.74	582	7-71		35	1,163	-.10	27	53
93-56-0015	6377393	1236721	5-65	2	305	18,375	3.37	637	391	14,860	3.51	522	3-71		36	867	-.02	25	45
93-56-0015	6610947	1236721	4-66	3	287	17,773	3.51	623	314	14,650	3.65	534	10-71		33	743	-.02	24	42
93-56-0015	6626179	1437633	4-66	2	293	18,635	3.57	665	376	14,990	3.58	537	1-72		38	856	-.04	25	[illegible]
93-56-0015	6630589	1236721	5-66	3	296	18,420	3.68	678	312	14,556	3.65	531	9-71		38	834	.01	31	[illegible]
93-56-0015	6663002	1236721	7-66	3	276	17,813	3.56	635	391	14,986	3.53	529	2-72		38	711	.00	26	43
93-56-0015	6754418	1445849	10-66	2	287	21,500	3.66	786	431	14,810	3.50	518	2-71		30	1,117	.02	40	64
93-56-0015	6891435	1236721	5-67	3	287	17,993	3.53	635	316	14,650	3.65	535	10-71		38	770	-.02	25	44
93-56-0015	7191525	1496357	7-68	2	305	19,560	3.81	745	338	15,105	3.54	535	3-72		28	699	.05	32	47
93-56-0015	7215260	1497570	8-68	2	297	20,645	3.29	679	375	15,155	3.56	540	2-72		28	859	-.07	21	43
93-56-0015	7435700	1445849	7-69	1	305	20,050	3.76	754	362	15,150	3.62	546	12-71		24	575	.02	27	43
93-56-0015	7512670	1445849	10-69	1	305	21,310	3.55	756	285	15,330	3.57	548	3-72		24	773	.00	28	[illegible]
93-57-9005	5354544	1299238	1-61	8	301	19,878	3.30	655	61	14,575	3.62	527	9-71		36	931	-.08	21	45
93-57-9005	6478821	1391977	5-65	5	304	20,928	3.47	726	69	14,038	3.68	517	2-72		44	851	-.04	25	45
93-57-9005	6670890	1236721	3-66	4	305	18,890	3.43	647	72	14,452	3.59	519	2-72		40	929	-.03	29	52

TABLE 4. JERSEY USDA-DHIA HIGH RANKING COWS.

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C D	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
11-10-0003	2603514	571382	1-65	5	305	12,490	4.66	582	17	10,230	5.12	524	6-71		44	745	-.21	16	$ 36
11-10-0003	2603520	600564	5-65	5	304	14,184	4.87	691	21	10,382	5.07	526	10-71		32	622	-.03	28	42
11-10-0003	2769693	592073	12-67	3	303	13,066	5.19	678	16	10,936	4.86	532	3-72		42	316	.15	30	34
11-10-0003	2769694	592073	2-68	3	296	13,273	5.03	667	19	11,113	4.88	542	3-72		42	321	.12	27	32
11-10-0003	2793018	583958	1-69	2	305	13,245	5.10	676	14	11,370	4.92	559	3-72		40	460	.00	23	33
11-10-0008	2608064	571382	7-65	5	303	12,908	4.80	620	8	10,554	5.11	539	11-71		44	762	-.19	19	39
11-10-0008	2710073	571382 *	1-67	4	300	16,283	4.03	656	13	12,203	4.95	604	2-72		43	989	-.33	16	43
11-10-0008	2731354	592073	6-67	3	299	14,746	5.16	761	14	12,723	4.86	618	1-72		42	324	.15	30	34
11-10-0008	2769656	605897	5-68	1	270	13,960	5.52	770	15	12,560	4.70	590	3-71	H	32	444	.07	29	37
11-10-0008	2779486	605897	12-68	1	305	17,400	4.16	723	15	12,560	4.70	590	3-71		32	719	-.11	25	42
11-10-0187	2728426	571382	6-67	3	305	12,537	4.47	560	6	9,900	5.00	495	10-71		42	769	-.22	16	36
11-11-0024	2737576	577474	10-67	2	300	12,845	4.95	636	26	9,970	4.84	483	12-71	H	40	492	.04	28	38
11-11-0024	2771435	605897	4-68	2	305	11,860	4.77	566	34	9,650	5.05	487	1-72		36	528	-.05	21	33
11-11-0024	2794180	583958	1-69	1	305	14,000	4.46	624	31	10,040	5.04	506	1-72		35	568	-.08	20	34
11-12-0008	2435218	585355	1-61	9	301	13,703	5.04	690	28	11,007	5.21	573	2-71		40	555	.00	28	40
11-12-0008	2446942	589477	11-61	8	305	13,806	5.49	758	28	11,385	5.02	572	5-71		42	419	.08	29	36
11-12-0008	2609854	596832	9-65	5	305	13,616	4.96	675	30	11,780	4.97	586	4-72		40	545	-.06	21	34
11-12-0008	2639125	571382	12-65	4	305	13,885	4.92	683	31	11,830	5.06	599	4-71		43	732	-.17	20	39
11-12-0008	2720436	571382	6-67	3	304	14,357	4.42	634	38	11,803	5.07	599	10-71		42	782	-.25	14	35
11-12-0008	2728951	577474	10-67	3	305	15,287	4.92	752	42	11,967	4.94	591	1-72		42	603	.02	32	45
11-12-0008	2764319	583958	8-68	2	305	14,450	4.55	657	26	11,370	5.07	576	8-71		40	583	-.10	19	33
11-12-0008	2764325	583958	9-68	2	305	16,005	4.14	662	35	11,610	5.07	589	9-71		40	719	-.17	19	37
11-12-0022	2721869	571382	9-66	4	301	11,963	4.92	588	35	10,720	5.02	538	1-72		43	617	-.16	15	31
11-12-0022	2767459	583958	3-68	2	301	13,800	4.75	655	43	10,620	5.08	539	11-71		40	585	-.06	23	37
11-12-0022	2767461	577474	4-68	1	305	12,570	5.36	674	30	10,640	4.91	522	6-71		35	360	.06	24	31
11-12-0022	2793194	577474	8-68	1	305	15,050	4.53	682	26	10,680	4.90	523	5-71		35	544	-.02	25	37
11-12-0022	2793197	571382	8-68	2	305	12,660	4.76	603	43	10,730	5.04	541	12-71		40	682	-.19	15	33
11-12-0026	2827496	571382	5-69	1	305	12,480	4.50	562	28	10,140	4.85	492	12-71		35	684	-.20	14	32
11-12-0095	2681888	571382	7-66	3	303	13,300	4.26	567	11	10,197	4.94	504	11-71		42	827	-.25	16	38
11-15-0041	2581859	546137	10-64	6	293	12,420	5.57	692	31	10,793	5.13	554	10-71		44	458	.14	36	43
11-15-0041	2727097	603553	10-67	3	305	14,943	4.47	668	20	11,260	5.01	564	3-72		33	600	-.10	20	35
11-15-0041	2787216	603553	11-68	1	300	13,500	5.33	719	18	10,280	4.99	513	6-71		24	386	.06	25	32
11-15-0041	2817385	583958	9-69	1	305	13,070	5.28	690	30	10,640	5.01	533	10-71		35	457	.00	23	33
11-15-0179	2631402	546137	11-64	5	300	12,288	4.52	555	9	9.442	4.95	467	3-72		44	599	-.02	28	41
11-18-0004	2590823	497574	1-65	4	305	12,668	5.00	633	9	10,995	5.18	569	4-71		43	526	-.03	23	35
11-18-0004	2596316	497574	11-64	5	305	13,560	5.10	691	7	11,082	5.14	570	5-71		44	639	-.01	31	45
11-18-0004	2820067	571382	11-69	1	305	15,700	4.17	655	7	12,150	4.89	594	3-72		35	790	-.25	14	35
11-18-0181	2825500	583958	11-69	1	305	13,260	4.87	646	29	10,270	4.83	496	12-71		35	496	-.03	22	33
11-20-0083	2717510	571382	7-66	4	298	13,928	4.37	609	12	10,345	4.71	487	8-71		43	904	-.22	23	46
11-20-0083	2847465	605797	3-69	1	305	14,000	5.25	735	10	9,680	4.89	473	5-71		19	415	.05	25	33
11-21-0037	2574881	569266	10-64	5	305	13,718	4.77	655	14	9,856	5.04	497	6-71		42	524	.02	28	39
11-21-0037	2671390	577474	2-67	1	305	13,860	4.70	652	15	10.400	4.99	519	11-71		35	474	-.01	23	33
11-21-0037	2728339	577474	10-67	3	291	12,473	5.08	634	12	9,590	5.06	485	11-71		42	525	.03	29	40
11-21-0037	2746135	585348	12-67	2	305	12,675	5.89	747	11	10,660	4.84	516	3-72		40	401	.09	29	36
11-21-0037	2807073	610614	10-69	1	305	15,800	4.42	698	14	10.120	5.03	509	11-71		19	549	-.09	19	32
11-23-0052	2691992	604483	11-66	4	303	12,817	4.87	624	7	9.855	4.89	482	2-72		33	493	-.02	23	34
11-23-0092	2664804	592073	11-65	5	301	12,818	5.15	660	54	9,918	5.19	515	10-71		44	433	.10	31	39
11-23-0092	2681475	572331	6-66	4	305	13,075	4.76	622	62	9,935	5.24	521	12-71		39	818	-.15	26	46
11-23-0092	2681483	572331	5-66	4	303	12,220	4.64	567	63	9,687	5.17	501	9-71		39	734	-.16	21	39
11-23-0092	2700550	592073	3-67	3	305	12,780	4.97	635	58	9,876	5.16	510	8-71		42	393	.08	27	34
11-23-0092	2733549	592073	9-67	3	304	12,543	5.22	655	59	10,103	5.34	539	11-71		42	342	.09	26	32
11-23-0092	2742688	583958	11-67	3	301	12,510	5.14	643	58	10.087	5.34	539	10-71		42	531	-.05	22	34
11-23-0092	2779003	583958	9-68	2	305	11,550	5.78	668	67	9,800	5.42	531	9-71		40	431	.04	25	34
11-23-0092	2806543	571382	5-69	1	305	13,970	4.70	656	60	10,470	5.27	552	6-71		35	774	-.22	17	37
11-23-0092	2806553	571382	7-69	1	305	13,920	4.49	625	71	10,270	5.55	570	9-71		35	783	-.26	13	34
11-23-0092	2806556	583958	10-69	1	305	14,370	5.52	793	56	10,110	5.55	561	10-71		35	591	.00	29	42
11-23-0092	2832569	583958	2-70	1	305	12,420	5.89	731	20	10.560	5.46	577	3-72		35	413	.03	23	31
12-11-0103	2572358	546137	9-64	5	305	11,784	4.86	573	22	9.460	5.01	474	2-71		44	531	.04	30	41
12-11-0103	2681819	546137	3-66	2	305	11,675	5.34	623	21	10,315	4.93	509	4-71		40	391	.11	30	36
12-11-0103	2734483	557682	4-67	3	305	11,850	5.15	610	24	9,000	5.02	452	8-71		41	546	-.05	22	35
12-11-0103	2749683	583958	11-67	2	305	12,755	4.93	629	22	10,105	4.84	489	3-72		40	526	-.02	24	36
12-11-0103	2807234	583958	5-69	1	297	12,800	4.59	588	33	9,140	4.81	440	8-71		35	538	-.06	21	34
12-12-0101	2683482	602784	12-66	3	300	13,247	4.94	654	20	10,020	5.25	526	6-71		32	548	-.03	24	36
12-12-0101	2700548	571382	11-66	4	302	12,360	4.69	580	28	10.495	5.11	536	1-72		43	692	-.21	14	32
12-12-0101	2733161	592073	11-67	3	294	12,753	5.04	643	19	10,183	5.03	512	12-71		42	358	.11	28	34
12-12-0101	2762399	583958	1-68	2	271	12,775	5.21	666	16	10,150	5.11	519	10-71		40	524	-.01	25	36
12-12-0101	2797143	571382	7-69	1	305	13,360	4.18	558	35	10,330	4.94	510	1-72		35	737	-.25	12	32
12-12-0174	2702860	577474	3-64	6	300	11,708	4.44	520	28	8,822	4.81	424	3-72		44	549	-.04	23	35
12-12-0174	2706012	596832	8-65	4	305	12,820	4.33	555	35	9,107	4.79	436	5-71		39	753	-.15	23	42
12-13-0166	2680948	577474	2-66	4	299	12,948	4.88	632	8	10.343	5.16	534	3-71		43	519	-.02	24	35
12-13-0181	2780767	602784	8-67	2	293	11,970	5.66	677	31	9,425	5.35	504	8-71		29	411	.07	27	35
12-13-0181	2780770	602784	11-67	2	305	14,245	4.64	661	16	10,030	5.00	502	4-71		29	620	-.06	25	39
12-13-0181	2808591	592073	1-70	1	305	15,070	4.72	711	25	10,280	4.88	502	1-72		35	422	.08	29	37
12-13-0200	2502752	557682	11-62	7	298	13,806	4.60	635	16	10,779	4.88	526	4-71		43	627	-.13	18	34
12-13-0200	2531554	577474	8-63	7	282	13,539	4.65	629	25	10,351	4.99	516	11-71		44	608	-.04	26	40
12-13-0200	2702993	577474	12-66	4	286	11,558	5.25	607	26	10,168	5.03	511	10-71		43	365	.06	24	31
12-13-0200	2702997	600353	12-66	3	305	14,003	4.44	622	15	10,713	4.87	522	3-71		32	541	-.09	18	31
12-13-0200	2770336	583958	10-68	1	305	14,220	5.15	733	30	10,960	4.88	535	1-71		35	522	.00	26	37
12-15-0164	2779804	571382	7-66	4	297	11,013	5.12	564	34	9,658	5.23	505	2-72		43	618	-.16	15	31
12-15-0169	2556667	557682	12-63	6	285	12,375	5.46	676	14	10,633	5.16	549	5-71		43	456	-.02	21	31
12-15-0169	2681325	598150	9-66	3	245	13,093	4.93	646	9	10,357	5.08	526	6-71		33	640	-.05	27	42
12-15-0169	2779841	583958	10-68	1	305	13,510	4.83	652	14	9,990	5.06	505	3-72		35	534	-.05	22	34
12-16-0149	2693457	577474	12-66	4	305	12,135	4.82	585	15	10,143	4.70	477	3-72		43	440	.03	25	34
12-16-0149	2712881	577474	4-67	2	305	13,075	4.45	582	10	9,905	4.90	485	1-72		40	521	-.04	22	34
12-16-0149	2734070	583958	11-67	2	305	13,295	4.28	569	18	10,170	4.75	483	3-71		40	575	-.10	19	33

TABLE 4. JERSEY USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C O	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
12-16-0149	2783152	577474	11-68	1	305	13,520	4.41	596	14	9,160	4.57	419	8-71		35	532	-.02	25	$ 37
12-17-0133	2560084	594846	10-63	6	281	14,841	4.22	627	51	10,548	5.20	549	3-71		42	691	-.21	14	32
12-17-0133	2584723	557682	11-63	6	302	12,593	5.13	646	52	9,632	5.20	501	6-71		43	603	-.08	22	36
12-17-0133	2588652	557682	11-64	4	305	14,195	4.78	679	53	11,050	5.05	558	3-72		42	631	-.12	20	36
12-17-0133	2654182	571382	1-66	4	303	13,425	4.69	630	68	10,755	5.18	557	4-71		43	795	-.22	18	39
12-17-0133	2654183	571382	1-66	4	301	11,623	5.02	583	54	10,213	5.25	536	6-71		43	631	-.18	14	31
12-17-0133	2676740	577474	4-66	4	305	13,005	5.13	667	68	10,133	5.19	526	12-71		43	549	.03	30	41
12-17-0133	2678214	571951	11-66	4	303	12,918	5.53	715	83	11,098	5.14	570	1-72		42	334	.09	25	31
12-17-0133	2758427	583958	1-68	3	304	14,820	4.19	621	85	11,490	5.13	590	1-72		42	653	-.19	14	31
12-17-0133	2771992	607831	9-68	2	305	13,965	4.98	696	82	11,150	5.14	573	1-72		29	511	-.04	22	34
12-17-0133	2809561	607831	9-69	1	305	18,210	4.50	819	78	11,510	5.07	584	12-71		23	786	-.11	28	47
12-17-0135	2808278	610258	3-69	1	305	18,260	4.07	743	7	11,200	4.72	529	7-71		23	738	-.14	23	41
12-18-0108	2673492	571382	4-66	4	305	12,310	4.49	553	15	10,318	5.10	526	9-71		43	705	-.23	12	31
12-18-0108	2819319	583958	4-69	1	304	13,700	5.02	688	9	9,870	5.29	522	1-72		35	556	-.05	23	36
12-18-0113	2768010	605897	5-68	2	305	12,200	5.24	639	23	10,440	5.14	537	8-71		36	488	.00	24	34
12-18-0113	2783780	583958	11-68	2	301	13,645	4.71	643	19	11,120	5.01	557	10-71		40	523	-.06	20	32
12-18-0113	2783783	583958	1-69	2	305	17,345	4.78	829	10	11,755	5.04	593	4-72		40	842	-.07	35	54
12-18-0113	2805346	602621	4-69	1	305	14,650	5.04	739	20	10,000	5.13	513	9-71		26	509	.01	26	37
12-18-0165	2613900	598150	9-65	5	305	13,852	4.89	678	19	10,184	5.12	521	12-71		36	814	-.07	34	53
12-18-0165	2743026	605897	3-68	2	305	14,035	4.88	685	12	10,740	4.82	518	5-71		36	656	-.02	31	45
12-18-0165	2825365	585350	12-69	1	305	13,820	4.79	662	21	10,440	5.02	524	11-71		35	439	.09	31	39
12-18-0178	2566753	563805	7-64	6	305	11,963	4.97	594	29	10,647	4.96	528	1-72		43	434	.02	24	33
12-18-0178	2573103	580834	9-64	5	305	13,116	5.19	681	20	10,174	4.96	505	8-71		39	582	-.01	28	41
12-18-0178	2675712	563805	10-66	4	295	11,215	5.04	565	44	10,108	4.90	495	10-71		42	396	.04	24	32
12-18-0178	2677706	571382	10-66	4	287	11,785	4.91	579	13	10,203	4.83	493	3-72		43	653	-.15	18	35
12-18-0178	2680659	563805	4-66	4	305	11,050	5.25	580	34	9,903	4.92	487	7-71		42	398	.07	27	34
12-18-0178	2684553	563805	12-66	1	305	12,330	4.66	574	35	10,310	4.75	490	1-72		34	440	.02	24	33
12-18-0178	2774066	571382	8-68	2	305	13,565	3.77	512	35	9,940	4.90	487	12-71		40	847	-.31	11	35
12-18-0178	2778121	571382	11-68	2	294	14,985	4.16	623	38	10,140	5.04	511	9-71		40	973	-.28	20	46
12-18-0178	2790193	563805	4-69	1	305	13,760	5.22	718	30	9,600	4.71	452	5-71		34	600	.07	37	49
12-18-0178	2857947	585350	8-69	1	305	12,580	5.06	637	49	10,140	4.72	479	9-71		35	365	.14	32	37
12-18-0208	2654567	571382	2-66	3	305	11,340	4.51	511	15	8,283	4.89	405	7-71		42	799	-.20	20	41
13-01-0260	2240113	480642	5-57	11	302	14,675	4.52	664	15	9,905	5.19	514	2-72		44	855	-.17	25	46
13-01-0260	2691081	600211	12-66	2	305	12,665	5.38	682	30	10,505	5.12	538	11-71		39	390	.07	26	33
13-01-0260	2830175	592073	1-69	2	305	14,550	4.58	666	15	11,135	5.07	565	4-72		40	417	.03	24	32
13-01-0261	2670032	577484	6-61	5	305	11,484	4.75	545	10	8,094	5.03	407	4-72		35	568	-.06	22	35
13-01-0261	2670035	577484	5-62	5	303	11,436	4.77	545	9	8,692	4.91	427	3-71		35	480	-.04	20	31
13-01-0407	2580822	587530	10-61	3	305	10,173	4.84	492	26	6,323	4.97	314	7-71		29	508	-.01	24	35
13-01-0435	2742648	583958	9-67	2	300	12,335	5.10	629	41	9,760	5.27	514	10-71		40	515	-.04	22	34
13-01-0435	2826539	583958	11-68	2	302	12,815	5.52	708	18	10,020	5.45	546	2-72		40	540	.00	27	39
13-01-0435	2877984	583958	9-69	1	305	15,390	4.48	690	36	9,550	5.26	502	11-71		35	706	-.10	25	42
13-01-0613	2698725	571382	10-66	3	305	10,863	4.74	515	13	9,063	5.24	475	4-71		42	662	-.20	13	31
13-02-0041	2743277	585348	6-67	3	305	12,220	5.28	645	61	9,047	5.41	489	11-71		42	543	-.04	23	35
13-02-0041	2750307	585348	11-67	3	302	12,647	4.91	621	45	9,460	5.37	508	12-71		42	549	-.09	19	32
13-02-0041	2802267	583958	10-68	2	305	12,625	4.70	593	45	9,375	5.32	499	12-71		40	579	-.09	20	34
13-03-0120	2630361	546137	10-65	5	300	12,600	5.40	680	18	10,544	5.37	566	11-71		44	511	.08	33	43
13-03-0144	2392755	577474	11-60	8	299	12,521	4.74	594	17	9,393	4.88	458	10-71		44	588	.00	29	42
13-03-0144	2717848	602283	10-66	4	298	12,525	4.66	584	37	9,420	5.27	496	11-71		42	596	-.13	17	32
13-03-0211	2642658	574470	9-65	5	305	13,420	5.37	720	36	9,894	5.35	529	8-71		42	629	.03	34	47
13-03-0211	2642679	522499	11-60	5	305	12,990	5.78	751	34	9,924	5.40	536	2-71		43	590	.10	39	50
13-03-0211	2683363	557682	8-66	4	305	13,008	5.06	658	43	9,995	5.37	537	10-71		42	601	-.10	20	35
13-03-0211	2683366	557682	10-66	4	305	13,963	4.25	593	36	9,838	5.38	529	8-71		42	739	-.25	12	32
13-03-0211	2760880	583958	4-68	2	305	11,915	5.85	697	47	10,145	5.28	536	9-71		40	436	.05	27	35
13-03-0211	2768838	583958	11-68	2	305	12,475	5.12	639	40	10,340	5.35	553	11-71		40	476	-.04	20	31
13-03-0211	2813178	583958	8-69	1	305	13,810	4.90	677	47	10,360	5.25	544	9-71		35	531	-.06	21	33
13-03-0223	2409485	522499	8-60	10	301	11,087	4.99	553	16	8,682	5.32	462	8-71		43	487	-.03	21	32
13-03-0223	2562606	577474	2-64	5	303	10,646	5.99	638	10	9,238	5.20	480	5-71		44	362	.15	32	37
13-03-0223	2695421	602621	10-66	4	302	12,705	5.24	666	27	10,017	5.17	518	11-71		35	476	.03	27	37
13-03-0223	2810834	585350	11-69	1	305	12,920	5.36	693	28	10,520	5.12	539	11-71		35	365	.14	32	37
13-03-0331	2502651	591759	12-62	7	290	12,072	5.38	650	22	9,887	5.07	501	7-71		37	410	.03	23	31
13-03-0331	2714017	600383	9-65	5	298	13,172	4.93	650	23	10,292	5.01	516	12-71		32	474	-.01	23	33
13-04-0195	2826426	585355	12-69	1	305	12,470	5.53	690	7	9,940	4.87	484	11-71	B	30	393	.09	28	35
13-04-0420	2701197	571382	12-66	4	305	12,493	4.30	537	22	10,188	5.00	509	10-71		43	743	-.26	11	32
13-04-0420	2701198	571382	12-66	4	302	12,245	4.71	577	23	10,330	5.01	518	1-72		43	696	-.20	15	33
13-04-0420	2779395	577474	11-68	2	305	12,430	4.84	602	27	10,165	5.04	512	11-71		40	432	.01	22	31
13-04-0420	2779400	583958	1-69	2	305	12,480	5.47	683	22	10,450	5.01	524	1-72		40	466	.04	27	36
13-04-0443	2431647	540265	7-59	10	302	14,069	4.61	649	21	10,268	5.26	540	7-71		43	536	-.09	18	31
13-04-0443	2693779	560800	9-64	3	305	12,297	4.90	602	12	9,723	4.97	483	5-71		42	509	-.03	22	33
13-04-0443	2693802	560800	3-64	4	304	12,533	5.30	664	16	10,715	5.25	563	12-71		43	444	.00	22	31
13-04-0504	2779814	583958	8-68	2	299	14,505	4.71	683	6	10,435	5.19	542	3-72		40	574	-.09	25	41
13-06-0216	2645179	546137	7-65	3	302	10,073	5.62	566	49	8,903	5.21	464	6-71		42	366	.11	29	35
13-06-0216	2764408	583958	9-67	2	297	13,390	4.62	618	42	8,825	5.33	470	6-71		40	708	-.10	25	42
13-06-0216	2777022	583958	10-67	3	291	12,010	5.11	614	45	9,453	5.36	507	10-71		42	539	-.05	22	34
13-06-0455	2482518	586849	1-62	7	293	11,658	5.12	597	21	9,445	4.98	470	10-71		36	404	.03	23	31
13-06-0455	2706652	571382	10-66	4	305	11,438	4.76	545	26	9,813	4.88	479	4-72		43	653	-.17	16	33
13-06-0476	2624311	546137	5-65	4	305	12,810	5.00	641	18	10,133	5.13	520	3-71		43	573	.05	33	44
13-06-0476	2624312	571382	10-65	4	305	12,108	4.96	600	18	9,840	5.07	499	3-72		43	734	-.17	20	39
13-06-0476	2684033	571382	2-66	4	305	13,248	4.55	603	18	10,620	5.05	536	2-72		43	788	-.22	17	38
13-06-0476	2693491	571382	6-66	3	304	12,103	4.43	536	14	9,880	5.22	516	4-71		42	721	-.25	11	31
13-06-0618	2773677	010130534	8-62	4	305	13,653	4.56	622	9	9,855	5.31	523	3-72		30	587	-.14	16	31
13-06-0621	2464261	567370	12-61	7	297	11,877	4.80	570	24	9,273	4.95	459	4-71		44	504	-.04	21	32
13-06-0621	2631360	567370	7-63	4	305	12,748	4.70	599	24	9,473	4.97	471	4-72		44	577	-.06	23	36
13-06-0621	010410988	010131891	9-66	2	265	11,995	5.41	649	30	8,655	5.05	437	10-71		29	403	.07	27	35
13-08-0022	2624046	561304	1-63	3	304	12,683	4.93	625	15	9,423	5.12	482	12-71		42	362	.08	26	32
13-08-0022	2772771	571382	1-68	2	305	12,515	4.31	540	13	9,780	5.09	498	8-71		40	754	-.25	13	34

TABLE 4. JERSEY USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C D	.......C O W REPT (%)	MILK (LB)	I N D E X....... FAT (%)	FAT (LB)	DOL-LARS
13-08-0022	2772773	571382	2-68	2	292	11,755	4.61	542	11	9,715	5.06	492	8-71	H	40	683	-.21	13	$ 31
13-08-0022	2772778	571382	5-68	2	302	11,990	4.40	527	10	9,600	5.09	489	8-71		40	717	-.24	12	32
13-08-0022	2807628	583958	11-68	2	305	12,615	4.89	617	14	9,410	5.02	472	3-72		40	575	-.04	25	38
13-08-0125	2719831	571382	3-67	2	305	13,293	3.94	524	12	8,750	5.01	438	4-71		40	928	-.30	16	41
13-08-0125	2808768	571382	10-68	2	305	11,875	4.40	523	7	8,880	4.92	437	4-72		40	771	-.22	16	36
13-09-0003	2543483	563813	10-63	6	305	13,645	5.18	707	54	10,848	4.83	524	1-71		44	473	.10	33	41
13-09-0003	2656577	571382	11-65	5	294	14,252	3.91	557	56	11,582	4.71	546	12-71		44	816	-.31	10	33
13-09-0003	2656582	563813	10-65	5	299	13,424	4.85	651	66	11,,14	4.70	537	9-71		44	378	.05	24	31
13-09-0003	2704843	571382	10-66	3	297	15,857	4.39	696	62	11,797	4.67	551	11-71		42	957	-.21	26	50
13-09-0003	2741620	571382	11-67	3	300	15,570	4.01	625	70	11,700	4.68	547	10-71		42	934	-.28	18	43
13-09-0003	2817060	583958	9-69	1	299	14,630	5.23	765	59	12,020	4.59	552	11-71		35	481	.03	27	37
13-09-0010	2498677	571291	12-62	7	275	14,397	4.67	672	14	10,976	5.17	567	1-71	B	44	570	-.04	24	37
13-09-0013	2632607	546137	8-65	4	304	11,233	5.12	575	15	9,878	5.00	494	4-71		43	405	.07	27	34
13-09-0139	2451406	593891	1-62	6	305	13,230	5.33	705	16	10,005	5.32	532	12-71		36	496	.04	29	39
13-09-0139	2627269	585355	9-65	5	300	11,966	5.19	621	20	9,930	5.36	532	8-71		40	448	.01	23	32
13-09-0191	2860899	585348	11-67	1	305	14,270	4.60	657	19	9,720	4.69	456	11-71		35	540	-.06	21	34
13-09-0208	2690144	571382	1-67	3	299	15,670	4.45	698	17	12,900	4.84	624	12-71		42	820	-.23	18	40
13-09-0264	2689097	546137	4-66	5	268	11,440	4.82	551	5	9,892	5.27	521	3-72		44	436	.00	22	31
13-09-0403	2632010	546137	9-60	6	299	14,800	5.25	777	20	11,277	4.84	546	2-72		44	712	.13	48	61
13-09-0403	2632011	561304	1-61	6	293	14,530	4.31	626	27	10,938	4.90	536	10-71		44	472	-.03	21	32
13-09-0403	2683903	571382	12-65	4	303	14,815	4.62	685	29	11,140	4.90	546	1-71		43	925	-.20	26	49
13-09-0403	2739334	592073	8-67	3	298	14,273	5.08	725	26	10,866	4.93	536	11-71		42	464	.12	35	43
13-09-0403	2806695	605897	8-68	2	305	15,750	4.74	746	22	11,040	4.97	549	2-72		36	811	-.05	35	53
13-09-0403	2806696	592073	8-68	2	297	14,070	4.59	646	24	10,870	4.91	534	11-71		40	392	.05	24	32
13-09-0403	2841642	605897	10-69	1	305	12,930	4.87	630	26	10,500	4.95	520	11-71		32	510	-.02	23	34
13-09-0409	2421451	567654	12-59	8	305	14,420	4.38	631	29	10,580	5.09	539	5-71		36	655	-.15	18	35
13-09-0409	2448945	581189	8-61	9	305	13,736	4.99	686	45	11,207	5.03	564	2-72		35	512	-.01	25	36
13-09-0409	2584929	596832	10-64	6	299	12,795	4.81	616	72	10,770	5.12	551	11-71		40	558	-.11	17	31
13-09-0409	2700227	571382	10-66	4	302	13,460	4.47	601	35	11,438	5.05	578	3-72		43	723	-.24	12	32
13-09-0409	2711942	571382	3-67	3	305	14,507	4.49	651	56	11,130	5.15	573	2-72		42	870	-.25	18	41
13-09-0409	2711943	571382	5-67	3	305	15,740	4.60	724	66	10,907	5.21	568	10-71		42	1,037	-.24	27	54
13-09-0409	2712063	571382	1-67	3	303	16,380	4.11	674	72	10,947	5.20	569	10-71		42	1,107	-.33	21	51
13-09-0409	2821133	583958	9-69	1	305	14,760	5.09	752	83	11,130	5.17	575	11-71		35	551	-.02	25	37
13-09-0420	2694796	571382	6-66	4	269	14,155	4.85	686	14	10,378	5.11	530	11-71	B	43	928	-.18	28	51
13-09-0420	2702640	602283	9-66	3	305	14,323	5.01	718	10	11,340	4.67	530	7-71		41	583	-.01	28	41
13-09-0532	2580534	594913	7-64	5	305	13,494	5.67	765	10	10,966	5.45	598	2-71		36	384	.10	29	35
13-09-0532	2584366	594913	10-64	6	297	12,760	6.17	787	5	10,028	5.50	552	3-72		36	400	.20	39	44
13-09-0532	2734074	606982	9-67	2	305	15,990	5.45	871	10	10,665	5.61	598	1-71		29	761	.02	40	56
13-09-0532	2734075	606982	9-67	3	305	13,153	5.26	692	12	10,376	5.54	575	11-71		32	494	-.02	23	34
13-09-0532	2734077	606982	10-67	3	298	14,053	5.09	715	12	10,330	5.53	571	11-71		32	621	-.04	27	41
13-09-0532	2734078	606982	11-67	1	297	13,470	5.49	740	5	9,870	5.64	557	12-71		24	445	.02	24	33
13-09-0532	2771178	606982	5-68	2	305	14,710	4.93	725	7	10,250	5.53	567	12-71		29	652	-.07	26	41
13-09-0707	2734062	563813	6-67	3	298	13,327	5.16	688	13	10,473	5.22	547	1-72		42	437	.03	25	34
13-09-0802	2546207	546137	11-63	5	305	13,042	5.36	699	17	10,656	5.17	551	2-72		44	555	.10	37	47
13-09-0802	2612185	571382	9-65	5	305	12,834	4.43	568	19	10,538	5.25	553	2-72		44	754	-.27	11	32
13-09-0802	2767358	577474	8-68	2	293	12,495	5.55	693	20	10,260	5.26	540	8-71		40	430	.07	28	36
13-09-0802	2815384	605897	10-69	1	305	13,490	5.10	688	28	10,650	5.31	565	10-71		32	544	-.03	24	36
13-09-0808	2505867	539965	7-62	5	304	12,698	5.48	696	49	10,310	5.40	557	9-71		36	413	.06	26	34
13-09-0808	2506868	567370	8-62	8	304	13,194	4.95	653	49	10,011	5.33	534	12-71		44	588	-.06	23	37
13-09-0808	2506886	567370	11-62	7	305	13,623	5.62	765	35	10,183	5.37	547	11-71		44	623	.05	36	48
13-09-0808	2675295	598356	9-66	3	301	13,813	5.52	763	36	11,003	5.33	586	4-71		32	375	.09	27	34
13-10-0004	2344134	522499	8-59	8	305	12,949	5.04	653	20	9,766	5.17	505	5-71		43	604	-.01	29	42
13-10-0004	2584085	546137	10-64	5	296	12,026	5.62	676	23	10,648	5.11	544	4-71		44	424	.14	35	42
13-10-0004	2584087	546137	12-64	6	303	11,348	5.94	674	35	10,110	5.23	529	10-71		44	398	.18	37	42
13-10-0004	2584093	546137	2-65	6	298	12,797	4.91	628	35	10,365	5.17	536	12-71		44	557	.02	30	41
13-10-0004	2602713	546137	4-65	4	305	11,370	6.09	693	28	9,833	5.25	516	9-71		43	427	.19	40	46
13-10-0004	2723184	583958	8-67	3	301	13,710	4.44	609	27	9,820	5.41	531	8-71		42	699	-.16	19	37
13-10-0004	2777711	583958	8-68	2	298	13,555	5.18	702	31	9,950	5.31	528	9-71		40	622	-.03	28	42
13-10-0004	2777732	583958	1-69	2	305	12,550	5.78	726	37	10,170	5.23	532	11-71		40	499	.05	30	40
13-10-0004	2802496	583958	3-69	1	305	13,360	4.83	645	27	9,570	5.36	513	9-71		35	551	-.07	21	34
13-10-0004	2802510	609270	8-69	1	302	16,350	4.34	710	32	10,280	5.14	528	2-72		32	612	-.11	20	35
13-10-0009	2720250	602856	11-66	3	305	14,526	4.94	717	27	10,693	5.28	565	11-71		33	534	-.06	21	33
13-10-0009	2777713	583958	10-68	2	305	13,225	5.49	726	25	11,220	5.22	586	1-72		40	471	.02	25	35
13-10-0035	2606732	567370	9-63	6	301	12,775	5.10	652	21	10,377	5.14	533	1-71		44	491	-.01	23	34
13-10-0035	2681826	546137	8-66	3	304	15,117	4.39	664	21	10,493	5.14	539	3-71		42	787	-.06	33	51
13-10-0035	2781962	585350	10-68	2	218	13,050	5.29	690	22	11,165	5.06	565	1-72	H	39	376	.15	33	38
13-10-0036	2578913	546137	1-65	4	305	12,308	4.75	585	18	8,343	5.02	419	10-71		43	711	.02	37	52
13-10-0036	2771965	585350	1-69	1	305	10,210	5.44	555	16	8,140	5.14	418	9-71		35	321	.15	30	34
13-10-0036	2782643	585350	4-69	1	305	10,130	5.24	531	16	8,140	5.14	418	9-71		35	315	.13	28	33
13-10-0043	2800285	608236	3-69	1	305	17,530	4.46	781	31	10,530	4.52	476	9-71		27	621	-.08	23	38
13-10-0446	2767832	605897	6-68	1	305	11,640	4.42	514	8	7,400	4.58	339	11-70		32	630	-.05	26	40
13-10-0466	2633130	571291	2-63	1	302	10,880	4.71	512	8	6,670	5.13	342	5-71		35	414	.01	22	31
13-10-0466	2640568	571382	10-65	1	305	12,600	4.01	505	22	8,320	5.01	417	10-71		35	816	-.26	15	37
13-10-0466	2640569	571382	12-65	1	305	11,670	4.38	511	14	8,610	4.98	429	12-71		35	726	-.22	14	33
13-10-0466	2640572	571382	11-65	1	292	11,580	4.60	533	21	8,040	4.98	400	9-71		35	758	-.20	18	38
13-12-0026	2692964	571382	9-66	2	305	12,985	4.24	550	21	10,125	4.94	500	9-71		40	770	-.25	13	34
13-12-0085	2546782	560800	9-63	5	297	12,010	4.70	565	21	9,350	5.07	474	1-72		44	545	-.07	20	33
13-12-0085	2636928	571382	9-65	4	305	11,243	5.12	576	20	9,288	5.03	467	3-72		43	688	-.13	21	38
13-12-0108	2730972	592073	9-67	2	305	13,195	5.29	698	7	10,565	4.65	491	6-71		40	331	.18	34	38
13-12-0108	2730973	592073	9-67	3	305	14,590	4.67	681	18	11,343	4.87	552	1-72		42	450	.06	28	37
13-12-0108	2730977	577474	10-67	2	305	12,570	5.90	742	26	11,085	4.94	548	11-71		40	361	.16	33	38
13-12-0108	2815675	583958	8-69	1	305	13,850	4.75	658	27	10,790	5.01	541	11-71		35	505	-.05	20	32
13-12-0114	2358941	561883	3-60	8	305	15,103	5.01	756	25	9,241	5.19	480	12-71		36	900	-.04	41	61
13-12-0114	2485012	555208	9-62	7	299	12,525	4.90	614	19	10,095	5.17	522	3-72		40	474	.00	24	34
13-12-0114	2580203	563813	8-64	6	301	12,165	5.32	647	23	9,052	5.11	463	8-71		44	491	.08	32	41

TABLE 4. JERSEY USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C O	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
13-12-0114	2675963	602636	8-66	4	302	12,295	5.15	633	27	9,430	5.12	483	8-71		38	566	-.04	24	$ 37
13-12-0114	2683718	563805	3-66	5	302	11,628	4.87	566	23	10,170	5.07	516	3-72		43	447	.00	22	32
13-12-0114	2734485	577474	5-67	3	302	12,180	4.46	543	19	9,107	4.96	452	9-71		42	541	-.05	22	34
13-12-0244	2572394	594788	7-64	6	298	12,518	5.28	661	33	9,513	5.05	480	10-71		36	419	.10	30	37
13-12-0244	2804145	583958	12-69	1	305	14,020	4.76	668	7	10,890	4.78	520	4-72		35	511	-.04	22	34
13-12-0255	2760356	583958	3-68	2	297	14,755	4.91	724	5	9,820	5.59	549	11-71		40	756	-.09	29	47
13-13-0019	2493151	574470	8-62	8	295	11,530	5.19	598	44	9,396	5.16	485	2-72		42	436	.01	23	32
13-13-0019	2743703	577474	9-67	4	290	11,193	5.20	582	25	9,350	5.12	479	4-72		43	412	.04	24	32
13-13-0019	2769016	592073	9-68	2	305	12,330	5.51	679	39	9,790	5.09	498	3-72		40	314	.16	31	35
13-13-0145	2591102	579169	10-64	6	295	12,093	4.84	585	13	9,528	5.06	482	10-71		39	466	-.01	22	32
13-14-0108	2690931	577474	10-66	4	298	14,208	4.36	620	38	10,228	4.82	493	2-72		43	689	-.06	28	44
13-14-0108	2704775	574994	3-67	3	304	14,253	4.88	695	42	10,380	4.84	502	10-71		41	473	-.01	23	33
13-14-0108	2765175	583958	10-68	2	303	14,260	5.18	739	43	10,685	4.83	516	12-71		40	626	.02	33	46
13-14-0108	2776674	577474	11-68	2	299	12,500	5.24	655	34	10,630	4.83	513	1-72		40	396	.08	27	34
13-14-0108	2807657	577474	10-69	1	299	13,630	4.70	640	16	10,680	4.83	516	3-72		35	437	.00	22	31
13-14-0170	2637984	571382	10-65	5	302	13,676	4.60	629	23	11,582	4.96	574	2-72		44	741	-.21	16	36
13-14-0170	2692965	571382	9-66	3	305	15,690	4.46	699	11	11,810	4.91	580	6-71		42	936	-.23	23	47
13-14-0170	2692967	571382	9-66	4	305	15,335	4.25	651	23	11,838	4.92	582	10-71		43	911	-.28	17	42
13-14-0170	2692969	571382	8-66	4	304	14,430	4.72	681	18	11,988	5.01	601	1-72		43	782	-.20	19	39
13-14-0170	2731287	577474	10-67	3	304	16,007	4.89	783	27	11,957	4.93	589	11-71		42	688	.01	35	50
13-14-0170	2731289	577474	10-67	3	305	13,543	5.09	690	29	12,100	4.87	589	10-71		42	386	.06	25	32
13-14-0170	2777090	583958	9-68	2	305	15,640	4.22	660	23	12,190	4.90	597	10-71		40	629	-.14	18	34
13-14-0170	2814044	609270	10-69	1	305	17,630	4.36	769	29	12,400	4.98	618	12-71		32	562	-.09	19	33
13-14-0202	2572362	546137	11-64	6	301	11,802	4.47	528	51	9,340	5.32	497	11-71		44	548	-.06	21	34
13-14-0202	2704641	577474	11-66	3	301	12,193	5.74	700	38	9,323	5.33	497	6-71		42	520	.09	35	44
13-14-0202	2726903	583958	8-67	3	305	11,670	4.94	576	58	9,140	5.44	497	11-71		42	532	-.08	19	32
13-14-0202	2726904	583958	9-67	3	298	10,553	5.89	622	52	8,983	5.37	482	11-71		42	419	.05	26	34
13-14-0202	2726905	583958	8-67	3	302	10,323	6.20	640	51	9,153	5.45	499	12-71		42	374	.08	26	33
13-14-0202	2734579	583958	11-67	2	305	11,615	5.77	670	53	9,435	5.66	534	1-71	B	40	471	.01	24	34
13-14-0202	2768649	605897	4-68	2	293	10,165	5.75	584	59	8,985	5.36	482	7-71		36	410	.04	24	32
13-14-0212	2723458	577474	7-67	2	305	11,370	5.99	681	15	10,150	5.19	527	5-71		40	325	.12	28	33
13-14-0212	2726944	577474	6-67	2	305	12,545	5.44	682	15	10,230	5.31	543	9-71		40	437	.05	27	35
13-14-0214	2409330	585661	2-61	9	300	13,807	4.95	683	9	11,060	5.15	570	4-71		36	476	-.04	20	31
13-14-0231	2692970	571382	10-66	4	264	13,838	4.65	644	15	10,850	4.93	535	11-71	B	43	836	-.20	22	43
13-14-0231	2777098	583958	11-68	2	261	11,975	4.88	584	8	9,730	4.85	472	11-71	B	40	481	-.03	21	32
13-14-0233	2791268	585355	1-69	1	305	11,900	5.20	619	5	8,980	4.80	431	6-71		30	417	.06	27	35
13-14-0316	2627776	577474	2-65	4	304	11,135	5.85	651	22	9,935	5.24	521	7-71		43	339	.12	28	33
13-14-0316	2741583	557682	3-67	3	305	14,523	4.68	680	25	10,320	5.24	541	10-71		41	720	-.15	21	39
13-14-0322	2768932	583958	6-68	2	305	11,850	4.85	575	9	9,850	4.73	466	10-71		40	457	-.02	21	31
13-14-0329	2542521	577958	11-63	7	304	15,140	4.52	684	31	10,337	5.21	539	2-72		43	738	-.19	18	37
13-14-0329	2542523	588103	11-63	5	304	13,264	5.33	707	25	10,518	5.21	548	1-72		38	504	.00	25	36
13-14-0329	2684550	563805	11-66	3	269	15,750	4.58	721	30	11,283	5.18	585	3-72		41	803	-.08	32	51
14-10-0002	2365856	546354	3-60	9	304	13,996	5.83	816	83	11,472	5.26	604	1-72		39	319	.16	31	35
14-10-0002	2384555	576127	8-60	8	303	14,074	5.10	718	89	11,204	5.29	593	11-71		43	498	.02	27	37
14-10-0002	2403924	546354	1-61	7	288	13,940	5.47	763	88	11,300	5.30	599	9-71		39	333	.09	25	31
14-10-0002	2496926	563813	1-63	7	304	14,411	4.71	679	91	11,240	5.22	587	4-71		44	527	-.04	22	34
14-10-0002	2509739	563805	12-62	7	302	12,467	5.40	673	88	11,316	5.26	595	3-72		43	421	.05	26	34
14-10-0002	2518400	572331	4-63	6	305	13,935	5.18	722	82	10,861	5.29	575	8-71		40	834	-.07	34	53
14-10-0002	2564140	572331	3-64	5	305	13,958	4.75	663	94	11,082	5.32	590	3-71		40	810	-.16	24	44
14-10-0002	2568575	572331	9-64	5	305	14,236	5.05	719	85	11,016	5.32	586	6-71		40	857	-.11	32	52
14-10-0002	2578569	593816	11-64	5	294	13,156	5.40	711	89	11,428	5.28	603	2-71		43	417	.01	22	31
14-10-0002	2578576	497574	12-64	5	304	12,010	5.39	647	89	10,866	5.37	583	8-71		44	462	.00	23	33
14-10-0002	2607022	557569	9-65	4	299	14,337	5.11	732	84	11,480	5.32	611	11-71		40	726	-.07	29	46
14-10-0002	2620724	563805	11-65	4	305	12,988	5.57	724	82	11,035	5.27	582	8-71		42	515	.09	34	43
14-10-0002	2679923	557569	10-66	4	302	12,850	5.18	665	90	11,337	5.31	602	12-71		40	549	-.06	21	34
14-10-0002	2679928	557569	10-66	2	305	14,155	5.28	747	82	10,695	5.37	574	8-70		36	732	-.04	32	48
14-10-0002	2715569	497574	6-67	3	305	11,883	5.65	671	80	10,377	5.39	559	8-71		42	491	.04	28	38
14-10-0002	2728875	606615	11-67	3	305	14,510	4.98	722	88	11,110	5.30	589	3-72		32	674	-.03	31	40
14-10-0002	2736706	606291	11-67	3	305	15,677	4.63	726	76	11,383	5.33	607	1-72		32	758	-.14	24	43
14-10-0002	2750244	606615	1-68	2	305	13,900	5.29	736	95	11,395	5.22	595	2-71		29	522	.04	30	40
14-10-0002	2750249	606615	2-68	3	305	13,690	4.94	676	86	10,956	5.33	584	3-72		32	581	-.04	25	38
14-10-0002	2751979	593816	3-68	2	305	13,740	5.60	770	79	10,635	5.22	555	5-71		39	509	.05	30	40
14-10-0002	2751980	606615	3-68	1	305	15,010	5.66	850	85	10,750	5.33	573	9-70		23	607	.08	38	50
14-10-0002	2753977	606615	4-68	2	304	13,630	5.07	691	84	10,815	5.24	567	4-71		29	552	.01	28	40
14-10-0002	2759497	593816	5-68	2	305	12,455	6.39	796	78	10,815	5.40	584	3-72		39	359	.13	30	35
14-10-0002	2762647	593816	5-68	2	305	15,360	5.16	792	81	10,155	5.36	544	7-71		39	721	-.03	33	49
14-10-0002	2762651	606615	6-68	2	305	13,795	5.65	779	85	11,135	5.33	594	12-71		29	537	.08	35	45
14-10-0002	2763314	606615	8-68	2	305	14,460	5.83	843	87	10,565	5.40	570	12-71		29	680	.12	46	58
14-10-0002	2763317	600211	8-68	2	305	13,135	5.61	737	87	11,405	5.31	606	2-72		39	355	.08	25	31
14-10-0002	2769098	606615	10-68	2	305	16,480	5.16	851	85	11,135	5.33	594	12-71		29	862	.01	44	62
14-10-0002	2769106	593816	11-68	2	305	13,525	5.94	804	85	11,415	5.31	606	2-72		39	414	.09	29	36
14-10-0002	2779590	606615	12-68	2	304	14,335	5.02	720	85	11,190	5.36	600	1-72		29	597	-.02	28	41
14-10-0002	2782858	597754	2-69	2	305	14,885	5.16	768	87	11,030	5.34	589	3-72		29	550	.04	31	42
14-10-0002	2782864	606615	3-69	2	305	14,885	5.05	752	74	10,815	5.37	581	4-72		29	704	-.01	34	49
14-10-0002	2792341	606615	5-69	1	305	12,590	5.48	690	104	10,400	5.35	556	6-71		23	417	.04	25	33
14-10-0002	2792342	593816	6-69	1	305	13,220	5.65	747	96	10,260	5.34	548	6-71		35	419	.02	23	32
14-10-0002	2810206	600211	1-70	1	305	14,210	5.50	782	94	10,880	5.47	595	1-72		35	430	.06	27	35
14-10-0002	2818671	572331	1-70	1	305	12,640	5.57	704	90	11,010	5.44	599	2-72		31	594	-.06	24	38
14-10-0008	2605461	571382	8-65	4	302	14,085	4.53	638	8	9,705	5.26	510	12-71		43	995	-.25	24	50
14-10-0008	2630981	546137	9-63	6	302	11,455	4.93	565	9	9,767	5.02	490	2-72		44	452	.05	27	36
14-10-0008	2630984	571382	8-65	4	305	11,885	4.63	550	13	9,558	5.27	504	10-71		43	737	-.23	14	34
14-10-0008	2630985	571382	1-66	5	292	11,632	4.89	569	10	9,668	5.35	517	2-72		44	699	-.20	15	33
14-10-0008	2677962	571382	10-66	3	305	12,473	5.16	644	8	9,607	5.32	511	2-71		42	792	-.15	24	44
14-10-0013	2694251	588474	12-66	3	297	13,573	4.44	602	9	9,596	5.17	496	6-71	B	36	666	-.16	17	34
14-10-0013	2802751	604694	10-69	1	244	10,740	5.74	616	12	9,210	5.21	480	7-71	B	34	440	.05	27	35

TABLE 4. JERSEY USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C D	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
14-10-0126	2558699	591773	12-63	5	268	12,042	5.09	613	11	9,286	5.26	488	3-72		32	439	-.01	21	$ 31
14-10-0126	2675878	571382	2-66	4	302	12,308	4.42	544	23	9,865	5.10	503	6-71		43	756	-.25	13	34
14-10-0126	2761080	606736	2-68	3	305	13,366	5.12	684	30	10,216	5.25	536	2-72		33	602	-.03	27	40
14-10-0126	2776510	606736	7-68	2	300	12,630	5.08	642	63	9,475	5.25	497	6-71		30	553	-.03	25	37
14-10-0126	2804941	593816	3-69	1	300	12,410	5.30	658	16	8,530	5.18	442	8-71		35	476	.00	24	34
14-10-0311	2599126	585348	1-65	3	305	12,227	4.59	561	7	8,537	5.29	452	7-71		42	597	-.13	17	32
14-10-0311	2656268	585348	12-65	3	301	13,240	4.38	580	9	9,357	5.27	493	6-71		42	629	-.17	15	31
14-10-0311	2657505	585348	9-65	4	305	13,098	5.04	660	9	9,668	5.13	496	5-71		43	604	-.04	26	40
14-10-0311	2771144	571382	7-68	2	305	11,120	5.58	621	13	9,525	5.30	505	10-71		40	635	-.12	20	36
14-10-0327	2633769	571382	11-65	4	305	11,358	4.82	547	26	9,518	4.99	475	4-71		43	676	-.18	16	34
14-10-0327	2658364	571382	11-65	5	291	10,998	4.55	500	25	8,724	5.06	441	9-71		44	727	-.21	15	34
14-10-0327	2675429	571382	2-66	4	303	12,768	4.14	528	22	9,445	4.99	471	5-71		43	860	-.28	15	38
14-10-0327	2699015	571382	8-66	4	297	13,103	4.36	571	22	9,053	5.09	461	5-71		43	946	-.26	21	46
14-10-0327	2717509	571382	1-67	3	296	13,343	4.85	647	24	8,633	5.05	436	8-71		42	996	-.17	32	56
14-10-0327	2834576	612819	2-70	1	305	13,270	5.09	675	23	8,280	4.98	412	2-72		19	466	.02	25	35
14-11-0302	2781391	592073	8-68	2	303	11,750	5.40	635	20	7,790	5.39	420	9-71		40	438	.13	34	41
14-12-0003	2500603	571291	10-62	7	300	11,661	5.39	629	31	9,664	5.20	503	11-71		44	367	.07	25	32
14-12-0003	2589699	596960	11-63	6	293	12,053	4.98	600	21	9,888	5.26	520	5-71		36	453	-.02	21	31
14-12-0003	2643830	571382	11-65	4	305	12,528	5.03	630	33	9,840	5.24	516	3-72		43	786	-.17	22	42
14-12-0003	2682124	602215	8-66	4	305	14,385	4.39	631	39	10,000	5.22	522	11-71		30	679	-.16	18	35
14-12-0064	2498674	579169	11-62	8	280	12,220	5.49	671	12	10,176	5.06	515	10-71		39	401	.10	30	37
14-12-0064	2728025	571382	10-67	3	303	12,663	4.52	573	32	9,157	5.43	497	9-71		42	862	-.26	17	40
14-12-0070	2788331	571382	8-66	4	301	12,458	4.71	587	5	9,998	5.01	501	1-72		43	759	-.19	19	39
14-12-0511	2794901	583958	9-68	1	75	14,270	4.71	672	11	11,640	4.69	546	3-71	B	35	479	-.03	21	32
14-13-0016	2633165	571382	8-65	2	239	13,065	4.36	569	12	9,225	5.01	462	3-71	B	40	861	-.24	19	42
14-13-0016	2698834	571382	7-66	2	241	13,020	4.16	542	14	9,000	5.00	450	3-71	B	40	877	-.26	17	41
14-14-0270	2410202	592331	8-60	8	287	14,824	4.84	718	18	10,483	5.16	541	4-72	B	32	709	-.05	30	46
14-14-0270	2535456	567370	9-63	5	292	11,910	4.72	562	10	9,132	5.16	471	7-71		44	524	-.07	19	31
14-14-0270	2587213	563805	9-64	5	305	12,944	5.10	660	28	10,970	5.15	565	2-71		43	526	.02	28	39
14-14-0270	2590983	596960	9-63	6	303	13,682	5.34	731	14	11,123	5.10	567	6-71		36	530	.08	34	44
14-14-0270	2812302	577474	12-68	1	305	14,770	4.50	665	15	10,980	4.72	518	6-71		35	503	-.01	24	35
14-14-0291	2700597	584458	11-66	3	257	12,133	5.42	658	8	9,983	5.06	505	4-71		42	501	.01	26	37
14-14-0291	2796267	546137	4-69	1	305	11,580	5.74	665	11	8,410	5.27	443	11-71		35	491	.11	35	44
14-17-0041	2777256	605897	12-68	2	300	11,910	5.36	638	9	9,950	5.26	523	11-71		36	504	.00	25	36
14-18-0012	2765801	602608	1-68	2	296	10,215	5.77	589	14	7,505	5.40	405	5-71		29	381	.05	24	31
15-14-0145	2282010	539871	8-58	5	305	14,660	5.23	767	18	11,164	5.22	583	3-72		37	512	.07	32	42
15-14-0145	2525379	010008753	4-58	3	305	18,457	5.21	961	13	11,143	5.31	592	6-71		29	1,070	.02	55	78
15-14-0145	2565304	534585	2-64	5	305	13,714	5.10	700	15	9,860	5.42	534	5-71		44	463	-.02	21	31
15-14-0145	2746188	604694	12-67	2	305	13,045	5.19	677	13	11,765	5.39	634	7-71		38	462	-.01	22	32
15-14-0145	2771066	604694	8-68	2	305	13,010	4.91	639	21	11,235	5.50	618	11-71		38	508	-.06	19	31
15-14-0145	2771067	604694	9-68	2	305	13,315	5.51	734	22	11,175	5.42	606	12-71		38	545	.03	30	41
15-14-0145	2771069	604694	10-68	2	305	13,560	5.58	756	23	11,385	5.38	613	1-72		38	551	.05	32	43
15-14-0145	2809680	604694	8-69	1	305	12,740	5.84	744	23	11,450	5.41	620	1-72		34	438	.05	27	35
16-06-0077	2433767	553236	1-61	8	305	11,377	5.09	579	30	9,948	5.10	507	7-71		42	392	.04	23	31
16-06-0077	2433769	553236	1-61	8	303	11,986	5.36	642	37	10,103	5.13	518	9-71		42	455	.09	31	39
16-06-0077	2541191	546137	8-63	7	305	13,986	5.23	731	28	10,503	5.04	529	1-72		44	696	.09	44	57
16-06-0077	2630640	546137	4-64	5	305	12,078	4.47	540	28	10,252	5.08	521	6-71		44	477	-.04	20	31
16-06-0077	2649483	607532	8-63	5	302	13,524	4.91	664	35	10,706	5.00	535	3-72		32	471	-.01	22	32
16-06-0077	2686263	546137	12-65	3	305	11,667	4.72	551	25	9,987	5.05	504	7-71		42	438	.01	23	32
16-06-0077	2694375	546137	7-66	3	305	12,237	4.97	608	27	10,377	4.91	509	7-71		42	464	.06	29	38
16-06-0077	2694849	546137	4-66	3	305	13,787	4.71	649	25	10,710	4.98	533	1-71		42	609	.02	32	45
16-06-0077	2701738	571382	2-66	4	305	15,485	4.17	645	31	10,458	5.01	524	2-72		43	1,085	-.30	23	52
16-06-0077	2738613	546137	6-67	2	305	12,650	5.42	686	25	10,350	5.08	526	4-71		40	488	.11	35	43
16-06-0178	2690036	571382	4-66	3	305	14,833	4.60	682	13	12,120	4.85	588	2-71		42	804	-.20	20	41
16-06-0387	2527917	588474	7-63	7	291	13,995	5.35	749	11	10,978	5.12	562	1-72	B	39	606	.01	31	44
16-06-0387	2530034	563805	5-63	6	305	11,937	4.88	582	30	10,618	5.02	533	9-71		43	434	.00	22	31
16-06-0387	2675711	563805	7-66	4	292	13,683	4.91	672	25	11,260	5.08	572	12-71	B	42	578	.00	29	41
16-06-0387	2716479	563805	5-67	3	305	13,030	4.59	598	20	11,053	5.12	566	8-71		41	505	-.05	20	32
16-06-0387	2716485	606291	7-67	3	270	13,610	5.47	744	36	11,537	5.11	590	12-71	B	32	457	.06	29	38
16-06-0387	2718072	602658	2-67	3	272	12,270	4.64	569	51	10,650	4.79	510	7-71		37	674	-.14	20	37
16-06-0387	2757655	571382	5-68	2	305	17,140	4.75	814	10	11,210	4.88	547	6-71		40	1,095	-.18	36	63
16-06-0387	2770048	571382	9-68	2	292	14,400	4.45	641	18	12,055	5.05	609	11-71	B	40	738	-.24	13	33
16-06-0387	2780382	604694	10-68	2	229	12,900	5.50	709	16	11,640	4.89	569	3-72	B	38	458	.08	31	39
16-12-0037	2548883	594846	9-63	7	300	13,158	4.56	600	18	9,244	5.18	479	1-72		42	622	-.12	19	34
16-12-0138	2660107	571382	11-65	4	289	12,275	4.37	536	7	8,585	5.20	446	3-72	B	43	895	-.26	18	42
16-14-0022	2504663	583958	8-61	7	305	13,064	5.17	675	8	9,074	5.40	490	4-72		44	748	-.03	34	51
16-14-0022	2777992	583958	12-68	1	305	11,080	5.16	572	14	7,890	5.17	408	7-71		35	493	-.03	22	33
16-14-0022	2777994	583958	1-69	1	305	11,820	5.08	600	14	7,890	5.17	408	7-71		35	549	-.03	24	36
16-14-0022	2784338	583958	11-68	2	305	13,985	4.47	625	10	9,580	5.24	502	3-72		40	699	-.12	23	4[illegible]
16-14-0022	2813131	583958	10-69	1	305	11,440	4.72	540	13	7,970	5.13	409	8-71		35	515	-.06	20	32
16-14-0022	2813133	583958	11-69	1	290	10,550	5.36	566	13	7,970	5.13	409	8-71		35	448	.00	22	32
16-16-0123	2657553	571382	6-65	4	302	11,523	5.06	583	6	9,915	5.22	518	12-71		43	652	-.17	16	33
16-16-0123	2657557	571382	10-65	4	302	13,753	4.44	610	5	10,123	5.06	512	7-71		43	907	-.25	20	44
21-06-0716	2715682	598658	4-67	2	305	13,500	4.21	568	27	8,930	4.92	439	7-71		31	592	-.14	16	31
21-10-0016	2620118	600544	11-65	4	302	13,630	5.13	699	12	10,930	5.05	552	6-71		39	432	.05	26	34
21-10-0016	2774158	577474	8-67	3	252	12,057	5.58	673	7	10,590	5.23	554	12-71	B	42	371	.08	26	33
21-10-0016	2774162	583958	9-67	3	276	13,207	4.76	629	9	10,640	5.30	564	8-71	B	42	554	-.10	18	32
21-10-0061	2788981	583958	12-68	2	305	17,055	5.04	859	16	10,255	5.09	522	1-72		40	951	-.02	45	66
21-10-0061	2788984	592073	12-68	2	305	15,600	4.71	735	17	10,360	5.13	531	2-72		40	595	.04	34	46
21-10-0062	2704698	585348	10-66	4	283	12,778	5.24	670	23	10,383	5.08	527	12-71		43	484	.00	24	34
21-10-0062	2735459	577474	10-67	3	303	11,337	5.84	662	29	9,750	5.30	517	9-71		42	376	.11	29	35
21-10-0062	2794048	604623	12-68	2	305	16,275	4.71	766	15	10,460	5.11	535	2-72		36	562	-.06	22	35
21-10-0174	2716867	585348	12-66	4	304	14,843	4.48	665	16	10,843	5.33	578	1-72		43	689	-.17	17	35
21-10-0174	2751066	577474	10-67	3	305	16,193	4.73	766	17	10,747	5.18	557	10-71		42	837	-.05	37	56
21-10-0174	2767224	577474	1-68	3	302	12,817	5.38	690	17	10,913	5.25	573	1-72		42	426	.05	26	34

TABLE 4. JERSEY USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C O	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOLLARS
21-10-0379	2332999	553901	2-59	9	305	11,280	5.77	651	88	9,162	5.37	492	6-71		38	389	.10	29	$ 36
21-10-0379	2359427	553901	8-59	10	305	12,824	5.06	649	104	9,153	5.40	494	2-72		38	612	-.03	28	42
21-10-0379	2404291	553904	8-60	8	305	12,828	5.96	765	93	9,171	5.38	493	7-71		41	540	.19	45	53
21-10-0379	2433448	557613	7-61	4	305	11,185	6.19	692	133	8,640	5.60	484	11-71		35	335	.12	28	33
21-10-0379	2504268	553904	8-62	7	299	11,581	5.30	614	91	8,920	5.49	490	7-71		41	399	.05	25	33
21-10-0379	2512519	553904	10-62	8	304	11,770	5.55	653	66	9,518	5.43	517	4-72		41	351	.10	27	33
21-10-0379	2546366	593891	6-62	6	302	11,377	5.79	659	27	9,377	5.39	505	5-71		36	304	.11	26	31
21-10-0379	2566693	553904	4-64	6	305	13,110	5.77	756	82	9,237	5.46	504	10-71		41	571	.15	43	53
21-10-0379	2658332	553904	11-65	5	305	11,830	5.49	650	91	8,780	5.56	488	1-72		41	451	.08	30	38
21-10-0379	2672619	553904	2-66	5	301	13,390	5.78	774	75	9,298	5.58	519	12-71		41	602	.13	43	54
21-10-0379	2672622	553904	2-66	5	297	11,240	5.84	656	92	8,904	5.59	498	8-71		41	354	.13	30	35
21-10-0379	2679926	497574	11-66	4	305	12,270	6.12	751	106	9,393	5.59	525	3-72		43	656	.10	43	55
21-10-0379	2718066	602658	12-66	4	304	12,975	4.52	586	81	9,557	5.32	508	3-72		38	906	-.22	23	46
21-10-0379	2728143	607022	7-67	3	305	13,293	5.44	723	107	9,573	5.45	522	5-71		32	463	.06	29	38
21-10-0379	2736520	553904	9-67	3	305	12,497	5.40	675	92	8,913	5.58	497	11-71		38	476	.07	30	39
21-10-0379	2768325	606736	5-68	2	305	12,910	5.11	660	110	9,245	5.48	507	6-71		30	611	-.05	26	40
21-10-0379	2769632	553904	10-68	2	305	11,940	5.62	671	88	9,120	5.54	505	12-71		36	343	.09	26	32
21-10-0379	2776515	592073	7-68	2	305	12,735	5.33	679	127	9,060	5.52	500	8-71		40	422	.10	31	38
21-10-0379	2780000	606736	8-68	2	305	13,075	5.26	688	117	9,145	5.48	501	1-72		30	641	-.02	30	44
21-10-0379	2780003	592073	8-68	2	304	11,405	5.56	634	146	8,715	5.55	484	9-71		40	318	.13	28	33
21-10-0379	2780005	553904	8-68	2	305	16,000	5.68	908	89	9,045	5.43	491	6-71		36	791	.14	53	67
21-10-0379	2784519	583958	10-68	1	305	13,560	5.55	752	77	9,220	5.53	510	2-71		35	590	.00	29	42
21-10-0379	2784528	604694	10-68	1	305	14,030	6.27	879	164	8,500	5.56	473	8-71		34	742	.11	48	62
21-10-0379	2788325	553904	12-68	1	290	13,000	5.18	673	127	8,400	5.54	465	8-71		31	405	.05	25	33
21-10-0379	2791230	604694	1-69	2	305	14,015	5.19	728	84	9,380	5.43	509	3-72		38	787	.00	39	56
21-10-0379	2804239	553904	5-69	1	305	12,700	5.96	757	65	8,930	5.41	483	5-71		31	343	.15	31	36
21-10-0379	2804240	604694	5-69	1	305	10,740	5.28	567	96	8,900	5.47	487	5-71		34	461	.00	23	33
21-10-0379	2810370	553904	7-69	1	305	12,100	5.75	696	114	8,560	5.54	474	7-71		31	321	.11	26	31
21-10-0379	2813517	608657	8-69	1	305	14,280	4.64	662	167	8,530	5.59	477	8-71		24	708	-.16	19	37
21-10-0379	2813528	553904	8-69	1	305	12,350	6.19	764	139	8,450	5.53	467	9-71		31	349	.15	32	37
21-10-0379	2817492	602658	1-70	1	305	13,810	4.76	657	137	8,800	5.60	493	11-71		29	914	-.18	27	50
21-10-0379	2817905	604694	11-69	1	305	13,690	5.39	738	81	9,450	5.33	504	3-72		34	650	.03	35	48
21-10-0379	2819168	585350	9-69	1	305	12,080	5.57	673	167	8,530	5.58	476	8-71		35	438	.14	35	42
21-10-0379	2819171	604694	9-69	1	305	10,630	5.91	628	170	8,530	5.56	474	9-71		34	478	.04	28	37
21-10-0379	2822452	604694	10-69	1	305	11,390	5.93	675	170	8,530	5.56	474	9-71		34	537	.05	32	43
21-10-0379	2837418	553904	4-70	1	305	14,020	5.08	712	80	9,340	5.33	498	2-72		31	419	.05	26	34
21-11-0611	2740799	583958	10-67	3	305	12,093	4.81	582	52	9,387	4.89	459	12-71		42	556	-.04	24	37
21-11-0611	2855874	583958	8-68	1	305	13,130	4.27	561	18	9,150	4.68	428	2-71		35	562	-.08	20	33
21-12-0101	2660318	591147	1-66	5	294	12,044	5.07	611	19	9,166	5.14	471	2-72		43	470	-.01	22	32
21-12-0101	2726295	583958	10-67	3	298	11,807	5.17	610	22	9,070	5.15	467	9-71		42	556	-.02	26	38
21-12-0101	2750813	583958	9-67	2	305	11,285	5.42	612	13	9,490	5.12	486	4-71		40	432	.02	23	32
21-12-0101	2752597	583958	10-67	2	295	13,015	5.02	653	22	8,875	5.15	457	9-71		40	665	-.03	30	45
21-12-0101	2777421	592073	9-68	2	285	12,245	5.18	634	22	9,590	5.17	496	1-72		40	324	.11	27	32
21-12-0101	2779830	583958	12-68	2	300	11,575	5.52	639	21	9,370	5.13	481	11-71		40	473	.03	26	36
21-12-0101	2810656	583958	7-69	1	305	13,220	4.59	607	20	9,160	5.14	471	11-71		35	568	-.07	21	34
21-12-0139	2615244	585348	3-65	3	271	12,420	4.75	590	18	9,553	4.93	471	11-71	B	42	513	-.07	19	31
21-12-0389	2716068	592073	3-67	3	284	12,606	4.96	625	27	9,433	4.69	442	10-71	B	42	420	.13	33	40
21-12-0389	2741564	577474	12-67	2	276	12,220	4.89	597	31	9,770	4.74	463	10-71	B	40	446	.04	26	35
21-12-0454	2756703	583958	3-68	2	297	12,950	4.66	603	22	9,935	4.92	489	8-71		40	561	-.06	22	35
21-12-0456	2730475	604716	12-67	3	305	15,703	4.59	720	11	11,966	5.10	610	3-72		32	741	-.12	25	43
21-12-0456	2741863	604716	11-67	2	267	14,575	4.38	638	6	11,285	5.15	581	11-70	B	29	626	-.15	16	32
21-12-0456	2758649	604716	6-68	2	302	12,585	5.39	678	5	11,420	4.74	541	8-71		29	370	.07	25	32
21-12-0456	2773948	604716	12-68	2	305	14,220	5.27	750	10	12,375	5.02	621	1-72		29	464	.02	25	35
21-12-0456	2776526	604716	1-69	2	304	14,660	4.62	677	10	12,165	5.03	612	2-72		29	540	-.09	18	31
21-12-0456	2779151	604716	3-69	2	305	14,685	4.62	679	8	11,665	5.08	592	4-72		29	597	-.10	20	34
21-12-0672	2750179	583958	3-68	2	302	12,405	4.67	579	27	9,480	5.05	479	5-71		40	547	-.07	20	33
21-12-0672	2783348	546137	4-69	1	305	11,250	5.09	573	36	9,840	5.03	495	2-71		35	369	.07	25	32
21-12-0672	2803184	592073	6-69	1	305	14,240	4.83	688	30	10,650	4.97	529	10-71		35	334	.09	25	31
21-12-0672	2821922	546137	10-69	1	305	12,520	5.05	632	37	10,400	5.04	524	9-71		35	426	.06	27	35
21-12-0672	2855834	583958	11-69	1	305	14,550	4.82	701	25	10,370	5.06	525	11-71		35	587	-.05	24	37
21-12-0700	2640108	594149	11-65	5	303	13,912	4.15	577	19	10,384	4.91	510	12-71		36	702	-.21	14	33
21-12-0700	2828727	594149	10-65	2	305	14,055	4.34	610	17	9,935	4.83	480	11-71		30	669	-.13	20	37
21-13-0256	2433437	581199	5-61	8	277	17,489	4.77	835	27	11,489	5.30	609	5-71	B	44	579	-.05	24	37
21-13-0256	2715071	606291	2-67	3	247	14,393	5.58	803	34	11,417	5.34	610	3-71	B	32	578	.05	34	45
21-13-0395	2719635	571382	4-67	3	302	14,150	4.49	635	7	9,970	4.95	494	9-71		42	950	-.22	25	49
21-14-0296	2516870	593344	1-63	7	303	14,010	5.55	778	29	10,840	5.24	568	4-72		32	529	.09	35	45
21-14-0296	2696670	010129360	1-63	4	305	13,187	5.41	713	27	10,762	5.35	576	11-71		37	439	.01	23	32
21-14-0296	2706477	585348	5-65	4	305	12,865	5.29	680	28	10,600	5.28	560	12-71		43	470	-.02	21	31
21-14-0296	2706481	601815	8-66	3	305	15,003	5.23	784	30	10,377	5.42	562	7-71		29	676	-.01	33	48
21-14-0296	2735361	577474	8-67	3	305	12,850	5.72	735	37	10,540	5.23	551	12-71		42	469	.11	34	42
21-14-0296	2735364	583958	10-67	3	305	12,823	5.16	662	36	10,397	5.30	551	11-71		42	535	-.04	23	35
21-14-0296	2767499	583958	8-68	2	305	15,515	4.70	729	24	10,140	5.05	512	12-71		40	804	-.08	32	51
21-14-0296	2774065	571382	8-68	2	305	14,555	4.29	624	24	10,330	4.91	507	2-72		40	912	-.25	20	44
21-14-0296	2783406	010132681	8-68	2	305	14,780	4.57	676	37	10,490	5.23	549	12-71		25	559	-.10	18	32
21-14-0296	2791725	601815	8-67	3	305	12,833	5.54	711	28	10,033	5.29	531	8-71		29	411	.07	27	35
21-14-0296	2828310	010132114	10-68	1	305	16,870	4.56	770	38	10,970	5.31	583	12-70		23	612	-.10	21	36
21-14-0296	2828323	010132114	8-66	3	305	13,086	5.64	738	37	10,263	5.26	540	11-71		32	455	.09	31	39
21-16-0285	2585155	010126479	7-60	4	305	15,975	5.25	839	15	10,138	5.53	561	4-71		30	902	-.01	44	63
21-16-0285	2716709	601933	11-66	3	303	13,703	4.89	670	15	8,826	5.44	480	8-71		33	726	-.10	26	43
21-19-0061	2715079	563805	4-67	3	305	12,247	5.09	623	14	10,000	5.04	504	9-71		41	525	.03	29	40
21-19-0084	2716476	563805	4-67	3	291	11,867	5.40	641	12	9,613	5.03	484	7-71		41	521	.08	34	44
21-19-0084	2716478	563805	5-67	3	304	13,020	4.41	574	11	9,557	5.09	486	7-71		41	664	-.07	26	41
21-19-0084	2801348	563805	9-69	1	305	11,770	5.11	601	9	9,810	4.88	479	10-71		34	432	.05	26	34
21-26-0789	2682950	602636	8-66	3	305	14,810	4.56	675	25	11,453	4.92	563	4-71		37	634	-.13	19	35
21-26-0789	2746562	577474	8-67	2	305	14,250	4.77	680	24	11,630	4.91	571	3-71		40	483	.00	24	34

TABLE 4. JERSEY USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C D	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
21-28-0124	2768327	583958	5-68	2	305	12,120	5.26	638	47	9,450	4.94	467	7-71		40	521	.01	27	$ 38
21-30-0358	2644332	540082	12-61	1	305	13,470	5.01	675	44	8,370	4.85	406	2-72		25	400	.04	24	32
21-30-0358	2694623	584584	2-66	1	305	13,460	5.02	676	59	8,720	4.97	433	11-71		26	446	.03	25	34
21-35-0398	2776301	583958	11-68	2	305	12,625	4.47	564	8	8,930	4.95	442	12-71		40	620	-.09	22	37
21-40-0115	2568462	598056	7-64	6	301	11,975	4.80	575	30	8,552	5.16	441	7-71		32	532	-.06	21	33
21-40-0115	2653418	601852	1-66	3	305	11,790	5.56	655	25	8,930	5.15	460	3-71		39	399	.17	36	42
21-40-0115	2702639	571382	8-66	4	302	13,038	4.49	585	12	10,640	4.95	527	3-72		43	760	-.23	15	35
21-40-0115	2773675	571382	12-68	2	300	11,445	4.13	473	30	8,735	5.12	447	1-72		40	741	-.27	10	31
21-42-0398	2692330	585348	11-66	2	305	15,010	4.67	701	27	10,100	5.46	551	3-71		40	691	-.14	21	38
21-42-0398	2706071	585348	1-67	3	300	13,540	4.82	652	11	10,263	5.23	537	5-71		42	569	-.10	19	33
21-42-0398	2731507	604181	10-67	3	297	12,640	5.04	637	30	10,040	5.37	539	12-71		32	453	-.01	22	32
21-42-0398	2752754	604181	1-68	2	296	13,170	5.69	750	26	10,115	5.29	535	8-71		29	470	.12	35	43
21-42-0398	2758315	604181	3-68	2	305	12,615	5.68	716	21	10,150	5.23	531	1-72		29	400	.12	31	38
21-42-0398	2779203	604181	11-68	2	304	13,520	5.98	808	24	10,605	5.24	556	1-72		29	459	.18	40	47
21-42-0398	2788113	604181	12-68	2	285	13,270	5.57	739	11	10,785	5.27	568	3-72	H	29	410	.10	30	37
21-42-0398	2802556	583958	11-69	1	305	17,420	5.05	880	29	10,770	5.35	576	9-71		35	776	-.05	34	51
21-42-0508	2580998	593630	9-64	5	304	12,834	4.76	611	27	9,818	5.23	513	11-70	H	36	559	-.08	20	33
21-42-0508	2680114	577388	9-66	4	304	13,335	5.09	679	39	10,252	5.16	529	11-71		42	408	.05	25	33
21-42-0508	2785434	583958	10-68	2	305	13,525	5.06	684	44	10,075	5.30	534	10-71		40	607	-.04	26	40
21-45-0894	2689475	602283	8-66	4	298	11,660	5.05	589	18	9,190	5.07	466	3-72		42	513	-.05	21	33
21-45-0894	2826245	592073	9-68	2	298	12,690	5.07	644	35	9,375	4.99	468	8-71		40	389	.11	30	36
21-45-0894	2826247	583958	10-68	2	305	11,940	4.56	545	45	9,190	5.13	471	9-71		40	527	-.08	18	31
21-45-0894	2826252	583958	12-68	1	305	12,040	5.38	648	10	9,920	4.94	490	5-71		35	428	.01	22	31
21-45-0894	2826256	583958	8-69	1	305	12,300	4.79	589	42	9,060	5.11	463	8-71		35	506	-.05	20	32
21-45-0894	2826267	583958	11-69	1	305	14,510	4.84	702	11	9,660	5.16	498	2-72		35	632	-.06	26	40
21-48-0116	2301993	577008	1-59	7	300	13,106	5.44	713	12	10,300	5.12	527	1-72		32	462	.08	31	39
21-48-0116	2717323	585348	6-67	3	300	11,610	5.56	646	14	9,057	5.20	471	8-71		42	471	.02	25	35
21-48-0116	2811195	604694	6-69	1	305	13,310	5.67	755	24	9,620	5.14	494	11-71		34	609	.07	37	49
21-48-0116	2811203	604694	1-70	1	280	12,420	5.48	680	12	10.220	5.11	522	1-72		34	499	.04	29	39
21-49-0547	2737066	577474	7-67	3	305	14,317	4.57	654	11	11,473	5.19	596	4-72		42	542	-.07	20	33
21-49-0547	2737067	577474	11-67	2	305	16,005	4.97	795	9	10,980	5.08	558	11-71		40	721	.01	37	52
21-52-0140	2598341	591764	1-65	6	304	13,672	5.01	685	35	10.940	5.00	547	12-71		38	443	.03	25	34
21-52-0140	2605103	585355	8-65	3	305	11,226	5.82	653	17	9,406	5.15	484	6-71		37	389	.13	32	38
21-52-0140	2682494	602574	8-66	4	305	14,772	4.37	645	32	10,745	4.98	535	1-72		35	738	-.17	20	39
21-52-0140	2682498	602574	10-66	2	305	14,460	4.45	643	37	10,805	4.94	534	2-72		30	599	-.14	16	31
21-52-0140	2706841	602574	3-67	3	305	13,163	4.71	620	30	10,316	4.95	511	6-71		33	538	-.09	18	31
21-52-0140	2847574	583958	3-69	1	305	14,380	4.21	605	32	9,880	4.91	485	5-71		35	607	-.10	20	35
21-52-0241	2534057	593061	4-63	7	299	13,583	5.21	708	19	10,474	5.38	564	10-71		41	533	-.04	23	35
21-55-0016	2408828	553904	1-61	9	303	12,496	4.68	585	18	9,814	4.80	471	11-71		41	414	.02	23	31
21-55-0016	2585288	595792	10-64	3	305	12,470	4.87	607	23	9,713	4.75	461	9-70		36	521	-.02	24	35
21-55-0016	2748332	602283	6-66	4	305	13,707	4.09	561	23	9,635	4.69	452	12-71		42	722	-.17	19	37
21-55-0242	2870944	585348	11-68	1	289	13,620	5.82	793	7	8,230	5.48	451	11-71		35	592	.02	31	43
21-55-0278	2778242	583958	11-68	2	305	13,120	4.87	639	29	10,340	5.06	523	10-71		40	541	-.05	22	34
21-55-0359	2694697	595792	8-66	4	296	11,557	4.81	556	37	8,505	5.10	434	11-71		37	564	-.07	21	34
21-55-0359	2832249	583958	7-69	1	305	11,410	5.29	604	43	7,680	5.09	391	8-71		35	532	.00	26	37
21-55-0454	2642830	553904	7-65	3	305	12,400	5.36	665	37	10,083	5.18	522	5-71		38	334	.10	26	31
21-55-0454	2690860	601761	8-66	3	303	13,973	4.57	639	71	9,897	5.31	526	10-71		29	591	-.13	17	32
21-55-0454	2697105	577474	12-58	2	287	13,620	4.91	669	62	10.780	5.28	569	12-71		40	497	-.02	23	34
21-55-0454	2739733	557682	10-67	3	297	14,963	4.58	686	63	10,613	5.26	558	12-71		41	741	-.17	20	39
21-55-0454	2739734	577474	11-67	3	291	12,720	5.54	705	59	10,697	5.24	560	12-71		42	437	.08	29	37
21-55-0454	2773822	583958	6-68	2	303	14,475	4.68	678	56	10,730	5.30	569	12-71		40	644	-.10	22	38
21-55-0454	2806979	563945	3-68	2	305	15,130	4.25	643	69	9,950	5.28	525	9-71		39	728	-.21	15	34
21-55-0454	2815049	583958	10-69	1	299	17,080	4.72	806	49	11,260	5.27	593	1-72		35	717	-.09	27	44
21-55-0454	2815285	577474	7-69	1	305	14,090	4.73	666	75	10,380	5.29	549	9-71		35	492	-.03	22	33
22-10-0050	2261845	482807	7-57	10	301	12,690	5.27	669	61	11,126	4.80	534	3-72		39	361	.08	26	32
22-10-0050	2525430	592247	1-63	6	305	13,012	4.82	627	87	10,737	4.84	520	2-71		36	525	.02	28	39
22-10-0050	2525434	573846	3-63	7	301	14,400	4.94	712	83	10,730	4.88	524	7-71		39	574	-.03	26	39
22-10-0050	2545325	592247	8-63	7	299	12,407	5.33	661	77	11,119	4.79	533	11-71		36	385	.12	31	37
22-10-0050	2569577	592247	5-64	6	296	13,850	4.83	669	83	10,900	4.83	527	12-71		36	626	.02	33	46
22-10-0050	2576319	592247	5-64	6	298	13,595	5.16	701	83	10,700	4.85	519	7-71		36	615	.09	39	51
22-10-0050	2613494	571382	11-64	5	303	14,650	4.46	653	66	11.046	4.89	540	11-71		44	931	-.23	23	47
22-10-0050	2613499	592247	3-65	5	294	12,766	5.04	644	84	11,148	4.80	535	2-72		36	434	.07	28	36
22-10-0050	2613512	592247	8-65	5	291	12,694	5.30	673	90	10,960	4.81	527	8-71		36	449	.11	33	41
22-10-0050	2707789	571382	6-66	3	300	13,863	4.88	677	70	11,337	4.82	547	2-71		42	773	-.15	24	43
22-10-0050	2714829	571382	11-66	3	305	14,103	4.42	623	55	11,663	4.77	555	5-71		42	767	-.21	17	37
22-10-0050	2729945	571382	7-67	3	305	13,967	4.55	636	76	10,893	4.88	532	9-71		42	832	-.20	21	42
22-10-0050	2757658	571382	5-68	2	297	14,755	4.47	660	76	11,155	4.79	534	6-71		40	856	-.21	21	43
22-10-0050	2770026	610047	8-68	2	305	15,310	4.18	640	88	11,465	4.76	546	10-71		29	613	-.16	15	31
22-10-0050	2770033	571382	7-68	2	291	13,435	4.18	562	72	11,120	4.83	537	10-71		40	725	-.25	11	31
22-10-0050	2770035	571382	7-68	1	305	15,210	4.65	707	48	12,340	4.57	564	4-71		35	740	-.17	20	39
22-10-0050	2770051	571382	9-68	2	292	13,900	5.09	708	69	11,830	4.76	563	12-71		40	707	-.11	24	41
22-10-0050	2770053	571382	10-68	1	305	15,130	4.49	680	48	12,340	4.57	564	4-71		35	734	-.19	18	37
22-10-0050	2770058	593883	11-68	2	305	13,610	4.34	591	78	12,170	4.64	565	12-71		38	470	.03	26	36
22-10-0050	2783128	610047	11-68	2	300	15,650	4.59	718	46	12,565	4.58	576	4-72		29	535	-.05	22	34
22-10-0050	2798695	571382	1-69	1	305	13,940	4.56	635	71	10,890	4.75	517	8-71		35	743	-.19	18	37
22-10-0050	2798701	571382	4-69	1	305	14,620	4.14	605	82	11.330	4.65	527	6-71		35	764	-.23	15	35
22-10-0050	2798705	571382	5-69	1	305	14,350	4.54	651	62	11.290	4.74	535	10-71		35	747	-.19	18	37
22-10-0050	2798709	571382	5-69	1	305	12,930	5.03	650	74	11,030	4.70	518	7-71		35	657	-.14	19	35
22-10-0050	2798720	571382	6-69	1	305	14,400	4.25	612	82	11,330	4.65	527	6-71		35	748	-.22	15	35
22-10-0050	2805595	583958	9-69	1	305	14,800	4.92	728	32	12,710	4.56	579	4-72		35	447	.00	22	32
22-10-0050	2806604	583958	10-69	1	297	14,710	4.98	733	67	12,580	4.58	576	2-72		35	449	.01	23	32
22-10-0050	2806609	609894	11-69	1	302	15,960	4.70	750	74	12,130	4.63	562	12-71		24	487	-.02	22	33
22-10-0051	2608402	571382	7-65	4	301	12,373	4.76	589	34	10.738	5.08	546	1-71		43	666	-.19	14	32
22-10-0051	2608404	571382	7-65	4	305	13,975	4.60	643	31	10,793	5.00	540	4-72		43	859	-.22	21	43
22-10-0051	2638759	571382	10-65	5	291	14,662	4.48	657	23	11,380	4.99	568	4-72		44	894	-.24	20	43

TABLE 4, JERSEY USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C O	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOLLARS
22-10-0051	2638760	571382	10-65	5	302	12,864	4.66	599	33	10,806	5.11	552	12-71		44	726	-.21	15	$ 34
22-10-0051	2638762	571382	9-65	4	305	13,140	4.53	595	31	10,475	5.13	537	5-71		43	791	-.23	16	37
22-10-0051	2638763	571382	8-65	4	305	12,925	4.70	608	31	10,293	5.12	527	4-71		43	785	-.21	18	39
22-10-0051	2638764	571382	8-65	5	300	12,550	4.78	600	37	9,970	5.12	510	8-71		44	783	-.19	20	40
22-10-0051	2660114	571382	12-65	4	305	14,688	4.87	716	34	10,363	5.10	528	11-71		43	996	-.17	32	56
22-10-0051	2660115	571382	1-66	4	305	12,250	4.96	607	30	10,143	4.99	506	10-71		43	717	-.15	21	39
22-10-0051	2683641	571382	7-66	4	292	12,228	4.83	591	30	10,790	5.09	549	12-71		43	642	-.18	14	31
22-10-0051	2683643	571382	7-66	4	304	11,668	5.03	587	34	10,438	5.06	528	12-71		43	612	-.15	16	32
22-10-0051	2698481	571382	9-66	4	305	13,015	4.90	638	30	10,925	5.07	554	3-72		43	725	-.17	19	38
22-10-0051	2715296	571382	1-67	3	305	12,447	4.53	564	39	10,187	4.95	504	8-71		42	729	-.21	15	34
22-10-0051	2781889	583958	9-68	2	305	13,575	4.97	675	36	11,395	4.87	555	1-72		40	491	-.01	23	34
22-10-0051	2781890	583958	9-68	2	305	15,370	4.57	702	22	11,455	4.85	556	3-72		40	669	-.07	26	42
22-10-0051	2788745	583958	10-68	2	298	12,600	5.36	675	39	11,230	4.90	550	11-71		40	407	.04	24	32
22-10-0051	2788747	583958	11-68	2	305	15,945	4.85	774	30	11,575	4.92	569	3-72		40	716	-.04	32	48
22-10-0051	2788748	583958	11-68	2	305	15,055	4.79	721	40	11,210	4.88	547	12-71		40	659	-.04	29	44
22-10-0051	2797960	583958	11-68	2	305	13,585	4.94	671	33	11,815	4.86	574	2-72		40	453	-.02	21	31
22-10-0051	2815438	583958	7-69	1	305	15,810	4.41	697	28	12,340	4.85	598	2-72		35	548	-.08	19	32
22-10-0052	2441948	571382	6-61	9	302	11,572	5.20	602	13	10,568	5.00	528	2-72		44	586	-.11	18	33
22-10-0052	2567333	571382	8-64	6	305	12,997	4.50	585	14	11,060	4.93	545	1-72		44	714	-.22	14	33
22-10-0052	2613495	597911	12-64	5	305	14,548	4.87	709	18	11,178	4.85	542	5-71		35	621	-.02	29	43
22-10-0052	2618279	571382	12-65	5	304	13,534	4.48	606	14	11,336	4.87	552	3-72		44	752	-.22	16	36
22-10-0052	2666296	600554	8-66	4	301	13,743	5.02	690	24	10,935	4.82	527	11-71		30	453	.04	26	35
22-10-0052	2728373	571382	11-67	3	300	13,840	4.20	581	16	11,483	4.90	563	12-71		42	755	-.27	11	32
22-10-0052	2754052	571382	6-68	2	305	13,470	4.37	588	13	10,965	4.93	541	7-71		40	743	-.24	13	33
22-10-0052	2771046	571382	12-68	2	305	13,620	4.57	623	16	11,855	4.97	589	12-71		40	676	-.21	13	31
22-10-0052	2771049	571382	12-68	2	305	13,870	4.65	645	13	11,830	4.89	579	10-71		40	704	-.19	16	34
22-10-0052	2776595	571382	2-69	2	305	13,495	5.36	724	20	11,850	4.89	579	1-72		40	664	-.09	24	40
22-10-0052	2798882	583958	9-69	1	305	15,810	5.09	804	21	12,080	4.99	603	2-72		35	566	-.01	27	39
22-17-0197	2660383	571382	4-65	4	274	13,663	4.29	586	5	10,588	4.74	502	2-71	B	43	843	-.24	18	40
22-26-0088	2520735	583958	2-63	7	303	11,699	4.93	577	21	9,560	5.07	485	6-71		44	513	-.04	22	34
22-26-0088	2690747	571382	1-66	4	302	11,938	4.57	545	19	9,600	5.09	489	4-72		43	739	-.22	15	35
22-26-0088	2797080	608567	6-69	1	257	13,440	4.41	593	5	9,460	5.31	502	12-71	B	24	579	-.11	18	32
22-26-0151	2774850	608567	2-68	2	200	12,805	4.13	529	13	8,705	5.00	435	7-71	B	30	689	-.14	20	37
22-26-0152	2807530	608567	11-69	1	305	12,080	4.51	545	6	6,620	5.41	358	10-71		24	686	-.09	25	41
23-05-0061	2471220	566245	11-61	9	298	12,837	4.73	607	16	9,494	5.19	493	2-72		38	555	-.07	21	34
23-05-0061	2645287	583333	12-65	4	298	11,765	5.33	627	20	8,600	5.09	438	11-71		42	508	-.02	23	34
23-05-0061	2702550	600316	12-66	4	303	12,228	5.50	673	8	9,843	5.24	516	11-71		34	395	.05	24	32
23-05-0152	2675551	584458	4-66	4	305	10,628	5.05	537	11	8,525	5.07	432	8-71		43	490	-.04	21	32
23-05-0152	2766197	584458	7-68	2	305	11,910	4.61	549	13	8,765	5.11	448	11-71		40	566	-.09	19	33
23-05-0152	2776023	585904	12-68	2	305	12,095	4.76	576	21	8,600	4.97	427	11-71		39	476	-.04	20	31
23-06-0001	2728765	572331	10-66	4	298	11,280	4.25	479	15	8,700	5.16	449	1-72		39	727	-.20	16	35
23-06-0362	2694559	584458	11-65	3	302	12,463	5.30	661	7	9,683	5.27	510	4-71		42	571	-.02	26	39
23-06-0362	2700888	584458	1-65	1	305	12,380	4.77	591	9	9,110	4.96	452	5-71		35	512	-.07	19	31
23-06-0362	2700889	584458	7-65	4	305	10,938	4.86	532	6	8,535	4.89	417	12-71		43	527	-.04	22	34
23-06-0362	2813959	584458	5-66	2	300	12,995	4.29	557	9	10,010	4.71	471	3-72		40	562	-.11	17	31
23-06-0362	2813966	584458	5-67	2	305	11,685	4.96	580	9	9,170	4.81	441	12-71		40	506	-.03	22	33
23-06-0362	2813967	584458	5-67	1	305	12,970	5.26	682	14	9,830	4.74	466	10-71		35	508	.00	25	36
23-06-0362	2813974	584458	12-67	1	305	13,990	4.98	697	9	9,110	4.96	452	5-71		35	634	-.05	27	41
23-08-0067	2515495	567370	1-63	7	305	12,207	5.19	633	11	9,283	5.02	466	7-71		44	545	.02	29	40
23-08-0324	2637976	571382	6-65	5	305	12,648	4.63	586	20	9,656	5.25	507	4-72		44	833	-.23	18	40
23-08-0324	2753997	584458	2-68	3	305	12,090	5.20	629	19	9,973	5.21	520	3-72		42	497	-.04	21	32
23-08-0418	2682704	584458	3-66	4	294	10,980	5.10	560	23	8,445	4.95	418	9-71		43	542	-.02	25	37
23-08-0498	2357687	564653	5-58	9	279	11,513	5.47	630	14	9,678	5.02	486	3-72		36	362	.07	25	31
23-08-0498	2376164	564653	12-59	6	300	12,967	4.84	627	19	10,322	5.04	520	9-71		36	492	-.05	20	31
23-08-0498	2376166	564653	2-60	4	304	12,993	4.79	623	26	10,030	4.99	500	8-71		35	519	-.04	22	34
23-08-0498	2808587	585350	10-69	1	293	11,490	5.18	595	27	9,880	5.00	494	9-71		35	300	.14	28	32
23-08-0676	2798615	583958	4-68	2	305	12,160	5.12	622	23	9,275	5.29	491	1-72		40	541	-.03	24	36
23-09-0314	2678747	602572	10-66	3	305	14,210	5.31	754	10	10,537	5.12	539	2-71		29	543	.05	32	43
23-09-0424	2629035	546137	4-65	5	305	11,398	4.78	545	18	9,076	5.00	454	10-71		44	526	.03	29	40
23-09-0424	2707535	571382	11-66	4	302	12,348	4.71	582	21	10,173	4.85	493	1-72		43	726	-.17	19	38
23-09-0424	2775435	584458	2-67	3	300	11,890	5.24	623	21	10,087	4.88	492	1-72		42	462	.00	23	33
23-09-0911	2722504	571382	6-67	3	305	10,497	4.73	497	9	8,583	5.10	438	11-71		42	670	-.19	15	33
23-09-0911	2809531	571382	9-69	1	301	11,390	4.82	549	6	9,300	5.20	484	11-71		35	658	-.20	13	31
23-09-0923	2606777	546137	5-65	5	304	10,278	5.40	555	28	9,232	4.97	459	10-71		44	362	.11	29	35
23-09-0923	2648866	546137	10-65	5	304	11,564	4.76	550	24	9,824	4.98	489	1-72		44	460	.02	25	34
23-09-0923	2657969	571382	2-66	5	305	10,990	4.96	545	24	9,656	5.02	485	12-71		44	617	-.16	15	31
23-14-0186	2676259	584458	8-66	4	305	12,335	5.37	662	8	10,705	5.08	544	1-72		43	458	.01	24	34
23-20-0287	2567978	585301	10-61	7	305	11,447	5.51	631	16	8,713	5.28	460	1-71		35	415	.09	29	36
23-20-0326	2782249	585350	11-68	2	305	10,515	5.29	556	27	8,585	5.03	432	12-71		39	354	.14	31	36
23-20-0326	2782251	585350	12-68	1	305	11,650	4.58	533	21	7,940	5.03	399	8-71		35	445	.08	30	38
23-20-0326	2800399	585350	3-69	1	305	11,290	5.27	595	21	8,340	5.02	419	9-71		35	390	.14	33	39
23-20-0326	2800406	585350	8-69	1	305	10,950	5.53	606	27	8,420	4.95	417	12-71		35	359	.17	34	39
23-21-0082	2729206	584458	11-67	1	305	12,250	4.72	578	6	7,400	5.26	389	10-71		35	619	-.08	23	36
23-21-0082	2753295	584458	4-68	1	305	13,610	4.42	601	7	8,740	5.13	448	11-71		35	630	-.12	20	35
23-22-0010	2576178	584458	12-64	6	296	12,098	5.18	627	35	10,315	4.97	513	4-72		44	479	-.01	23	33
23-22-0010	2577574	584458	3-64	6	302	13,672	4.34	593	19	10,308	4.88	503	4-71		44	686	-.14	20	37
23-22-0010	2626881	584458	4-65	5	305	12,152	4.71	572	27	9,928	4.97	493	4-72		44	532	-.08	19	32
23-22-0010	2659153	584458	1-66	3	305	14,747	4.61	680	30	10,093	4.97	502	5-71		42	794	-.11	29	48
23-32-0003	2639785	584458	12-65	4	294	13,710	4.51	619	8	11,083	5.03	558	5-71		43	587	-.12	17	32
23-32-0003	2674422	584458	3-66	4	301	13,068	5.33	696	12	10,468	5.07	531	11-71		43	576	.00	29	41
23-32-0003	2745141	584458	11-67	3	301	12,950	4.72	611	17	10,353	5.11	529	11-71		42	558	-.10	18	32
23-32-0006	2653958	584458	2-66	4	301	12,093	4.80	580	12	9,920	4.77	473	1-72		43	516	-.05	21	33
23-32-0023	2450692	585904	9-61	8	305	12,090	5.23	632	12	9,076	4.99	453	7-71		43	507	.03	28	38
23-32-0023	2593168	580836	9-64	5	305	11,182	5.17	578	15	8,822	5.02	443	7-71		43	364	.06	24	31
23-32-0023	2749436	591297	12-67	3	302	12,337	5.14	634	15	10,330	4.94	510	4-72		41	355	.08	25	31

TABLE 4. JERSEY USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C D	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
23-36-0113	2626375	584458	9-64	6	305	12,038	5.47	658	20	10,507	5.28	555	2-72		44	449	.00	22	$ 32
23-36-0113	2649275	585393	5-64	6	303	13,203	5.13	677	28	10,493	5.18	544	11-71		42	395	.06	25	32
23-36-0353	2602957	584458	8-64	6	305	10,105	5.24	529	16	8,375	5.09	426	3-72		44	447	-.01	21	31
23-36-0614	2495928	584458	11-62	8	304	11,325	5.29	599	26	9,398	5.26	494	11-71		44	486	-.02	22	33
23-36-0614	2495929	584458	11-62	8	302	11,578	4.92	570	27	9,321	5.25	489	11-71		44	528	-.07	19	32
23-36-0614	2511289	584458	2-63	7	304	12,149	4.91	597	10	10,096	5.02	507	5-71		44	512	-.06	20	32
23-36-0614	2694561	584458	2-65	5	304	11,772	4.94	581	17	8,444	5.14	434	11-71		44	657	-.06	27	42
23-36-0614	2813973	584458	10-67	2	305	12,350	4.81	594	30	8,245	5.22	430	10-71		40	659	-.08	25	40
23-36-0847	2581172	571291	9-64	6	300	13,017	4.17	543	24	9,285	5.02	466	11-71		44	588	-.10	19	33
23-36-1029	2569866	571382	7-64	6	302	10,488	5.01	525	5	9,255	4.82	446	7-71		44	598	-.12	18	33
23-36-1029	2652329	571382	9-65	5	303	11,178	4.69	524	7	9,392	4.73	444	7-71		44	672	-.16	18	35
23-36-1029	2660381	571382	11-65	5	301	13,120	4.40	577	11	10,160	4.69	477	7-71		44	836	-.21	21	43
23-36-1029	2689067	571382	8-66	4	299	15,133	4.47	676	14	10,680	4.62	493	12-71		43	1,016	-.19	31	56
23-36-1029	2725367	571382	7-67	3	303	11,617	4.73	549	16	10,433	4.60	480	8-71		42	606	-.14	16	31
23-37-0019	2773291	604694	1-69	1	305	12,040	5.30	638	19	8,540	5.25	448	2-71		34	586	.02	31	43
23-37-0072	2687809	602339	8-66	3	305	13,400	4.50	603	29	8,576	4.80	412	1-72		32	686	-.09	25	41
23-43-0008	2493799	567370	6-62	6	277	12,627	4.83	610	12	9,963	5.04	502	6-71		44	520	-.05	21	33
23-43-0008	2518769	585904	11-62	8	300	14,355	5.38	773	22	10,220	5.12	523	11-71		43	669	.06	39	52
23-43-0008	2685966	584458	7-66	4	305	12,470	4.64	579	25	10,113	4.99	505	9-71		43	541	-.09	18	31
23-43-0008	2751461	603327	1-68	2	305	13,530	4.89	662	9	10,675	4.92	525	4-71		30	449	.02	24	33
23-43-0213	2555499	593727	11-63	6	301	13,668	4.57	624	13	10,530	5.26	554	11-71		34	673	-.13	21	38
23-43-0213	2555501	593727	2-64	6	299	12,710	5.31	675	11	10,258	5.25	539	9-71		34	563	.03	31	42
23-46-0228	2575104	563805	8-64	5	305	12,818	4.85	622	32	9,354	5.41	506	8-71		43	702	-.05	30	46
23-46-0228	2576336	563805	10-64	4	305	11,958	5.50	658	39	9,343	5.37	502	6-71		42	578	.06	35	46
23-46-0228	2701783	563805	10-66	4	302	11,463	5.13	588	35	9,085	5.42	492	12-71		42	544	.00	27	39
23-46-0228	2758479	563805	6-68	2	305	10,925	5.49	600	21	9,435	5.35	505	12-71		38	416	.06	26	34
23-46-0228	2758481	563805	6-68	2	305	11,440	5.44	622	22	8,875	5.33	473	10-71		38	523	.06	32	42
23-46-0228	2758482	563805	1-67	3	291	11,947	5.21	623	36	9,090	5.38	489	12-71		41	587	.02	31	43
23-46-0228	2763522	584458	2-67	3	305	10,933	5.76	630	42	9,520	5.32	506	3-72		42	410	.03	23	31
23-46-0228	2791129	595550	11-67	2	305	12,685	5.27	668	41	9,270	5.37	498	4-71		39	444	.04	26	35
23-53-0084	2683969	571382	9-65	5	303	11,184	5.18	579	13	10,096	4.95	500	10-71		44	590	-.12	18	33
23-53-0084	2683970	571382	11-65	4	305	12,083	4.66	563	7	9,680	4.95	479	7-71		43	748	-.19	18	37
23-53-0084	2712032	571382	9-66	3	305	13,230	4.83	639	12	10,657	4.94	526	8-71		42	771	-.16	22	41
23-53-0084	2762708	571382	1-68	2	305	13,425	4.28	575	11	11,215	4.81	540	2-72		40	715	-.24	12	32
23-53-0084	2790556	571382	5-68	2	305	13,510	4.40	594	13	10,810	4.84	523	11-71		40	761	-.22	16	36
23-53-0084	2790559	571382	7-68	2	305	13,280	4.93	655	13	11,605	4.78	555	12-71		40	665	-.14	19	36
23-54-0038	2733894	583958	12-67	3	291	12,720	4.87	619	26	10,213	4.99	510	11-71		42	542	-.04	23	35
23-54-0038	2733896	583958	11-67	3	295	12,733	5.05	643	25	10,120	4.99	505	11-71		42	553	-.02	26	38
23-54-0038	2769159	583958	1-68	3	286	12,063	5.27	636	25	10,693	4.97	531	12-71		42	415	.01	22	31
23-54-0038	2769170	593883	6-68	2	301	11,750	5.06	595	17	9,545	4.90	468	8-71		38	523	.09	35	45
23-54-0038	2769179	593883	12-68	2	297	13,530	4.49	608	28	10,665	5.03	536	1-72		38	604	.00	30	43
23-54-0038	2810530	593883	12-69	1	302	12,290	5.13	631	27	10,130	5.06	513	12-71		33	482	.09	33	42
23-60-0138	2588305	584458	10-64	5	305	12,658	4.12	521	10	9,090	5.12	465	6-71		44	696	-.20	15	33
23-60-0138	2703795	584458	7-66	4	302	11,793	5.14	606	13	8,795	5.08	447	11-71		43	604	-.02	28	41
23-61-0004	2578189	546137	1-65	5	305	12,116	5.27	638	15	9,248	5.11	473	12-71		44	600	.09	39	50
23-61-0004	2631916	591297	10-65	5	290	11,992	4.91	589	20	9,750	5.09	496	10-71		43	406	.03	23	31
23-62-0021	2603892	584458	4-65	5	305	12,004	5.37	645	37	9,914	4.95	491	1-72		44	514	.02	28	39
23-62-0021	2692693	584458	3-66	3	305	13,943	4.69	654	38	9,617	4.87	468	5-71		42	751	-.07	30	47
23-62-0021	2692694	584458	2-66	4	305	12,850	4.76	612	44	9,940	5.00	497	5-71		43	608	-.07	23	37
23-62-0021	2742292	560800	7-67	2	305	11,920	5.47	652	48	9,985	5.06	505	10-71		40	416	.03	24	32
23-63-0014	2553938	585904	1-62	6	304	12,832	5.31	682	21	9,998	5.24	524	3-72		43	495	.01	26	36
23-63-0014	2605491	585904	7-65	4	305	13,080	5.21	681	23	10,118	5.10	516	8-71		42	498	.02	27	37
23-63-0014	2721375	584458	5-67	3	305	12,700	4.88	620	31	10,143	5.07	514	11-71		42	551	-.07	21	34
23-63-0014	2794403	585904	1-68	2	305	13,425	4.85	651	18	9,650	4.98	481	9-71		39	516	-.03	23	34
23-63-0014	2879643	585904	10-68	1	305	15,610	4.71	736	20	11,140	4.77	531	3-72		35	485	-.02	22	33
23-63-0014	2879658	584458	9-69	1	305	17,920	4.29	769	28	11,080	5.08	563	11-71		35	797	-.15	25	45
23-65-0063	2624365	584458	10-65	5	305	10,762	4.80	517	14	8,116	5.04	409	12-71		44	563	-.07	21	34
31-02-0800	2768450	578382	10-67	3	296	11,043	4.43	489	9	8,143	5.05	411	9-71		41	616	-.16	15	31
31-02-0800	2803036	578382	8-68	2	301	11,550	4.71	544	10	9,120	4.92	449	12-71		39	552	-.11	17	31
31-02-0840	2690377	578382	10-66	1	303	13,620	4.73	644	16	10,640	4.89	520	3-72		35	560	-.11	17	31
31-02-0840	2748528	578382	7-67	3	305	12,857	4.80	617	22	10,257	5.00	513	2-72		41	606	-.10	20	35
31-04-0450	2732312	578382	10-67	2	305	12,075	4.91	593	44	8,750	5.27	461	5-71		39	641	-.11	21	37
31-04-0450	2788227	578382	5-68	2	305	12,555	4.97	624	36	8,680	5.17	449	7-71		39	697	-.10	25	42
31-04-0450	2788241	578382	11-68	1	305	15,330	5.08	779	28	9,000	5.28	475	3-71		35	803	-.09	31	50
31-06-0021	2625264	578382	7-65	4	305	12,378	5.15	638	17	9,995	5.19	519	1-71		42	594	-.08	22	36
31-06-0021	2759847	578382	10-67	3	305	12,730	4.85	618	20	10,567	4.95	523	11-71		41	558	-.09	19	32
31-06-0021	2759850	595550	11-67	3	302	14,606	4.46	651	19	10,773	4.98	537	10-71		41	554	-.06	22	35
31-06-0021	2870048	583958	6-69	1	300	13,990	4.58	641	20	10,680	4.88	521	1-72		35	523	-.06	20	32
31-06-0021	2870049	583958	6-69	1	293	13,750	4.72	649	20	11,150	4.79	534	11-71		35	473	-.04	20	31
31-09-9042	2774630	595550	12-68	1	305	18,510	4.45	823	14	12,760	4.75	606	2-71		35	563	-.02	26	38
31-12-0006	2494489	548159	8-62	7	301	13,079	4.97	650	26	9,700	5.21	505	2-72		37	603	-.02	28	41
31-12-0006	2583139	596588	9-64	6	305	13,548	4.87	660	23	9,692	5.19	503	1-72		36	511	-.05	21	33
31-12-0855	2511618	598703	11-62	7	292	11,667	5.46	637	6	10,289	5.00	514	8-71		35	315	.11	26	31
31-12-0855	2551285	598703	2-63	7	294	12,743	5.06	645	6	10,436	5.07	529	5-71		35	458	.03	26	35
31-12-0855	2551290	598703	1-64	6	295	12,225	5.37	657	7	9,842	4.99	491	11-71		35	461	.10	33	41
31-12-9080	2743125	593210	5-67	2	305	13,645	4.87	664	16	10,455	4.96	519	4-71		33	503	-.03	22	33
31-12-9306	2555604	594846	10-63	6	305	15,923	4.31	686	15	11,040	5.00	552	7-71		42	777	-.17	22	42
31-14-9006	2733355	606551	11-67	3	295	11,943	5.17	617	22	9,010	5.28	476	12-71		34	517	.00	26	37
31-14-9006	2756939	606551	4-68	3	300	12,753	4.82	615	16	9,376	5.17	485	3-72		34	580	-.05	24	37
31-14-9006	2771806	606551	9-68	2	291	12,370	4.95	612	20	9,370	5.19	486	1-72		32	489	-.02	22	33
31-14-9006	2787007	606551	12-68	2	294	11,635	5.35	622	17	9,160	5.24	480	10-71		32	426	.03	24	33
31-14-9300	2742465	595550	10-67	3	303	13,123	5.16	677	18	9,863	5.26	519	11-71		41	476	.03	27	37
31-14-9300	2809446	606551	8-69	1	305	13,710	5.20	713	10	10,040	5.20	522	8-71		26	476	.01	25	35
31-14-9300	2827996	606551	9-69	1	305	13,970	5.29	739	11	10,460	5.16	540	9-71		26	466	.03	26	35
31-14-9900	2488092	583882	7-62	6	305	12,080	5.22	630	26	8,747	5.21	456	7-71		35	468	.03	26	36

TABLE 4. JERSEY USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C O	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
31-14-9900	2716795	592728	11-64	4	305	12,088	5.04	609	31	9,135	5.12	468	2-72		35	502	-.02	23	$ 34
31-15-0040	2555191	591297	10-63	6	303	11,542	5.49	634	11	9,850	5.26	518	8-71		43	334	.10	26	31
31-15-0040	2615168	591297	10-65	5	302	12,336	5.14	634	9	10,208	5.29	540	1-72		43	397	.03	23	31
31-15-0040	2674392	591297	2-66	4	304	12,203	5.93	724	13	9,658	5.25	507	1-72		42	431	.17	38	44
31-15-0040	2705294	591297	3-67	2	305	12,635	5.69	719	9	10,150	5.20	528	10-71		38	378	.13	31	37
31-15-0110	2639997	592286	12-61	6	305	12,521	5.57	698	9	10,116	5.41	547	2-72		36	437	.06	28	36
31-15-0110	2709298	601882	11-66	4	305	12,650	5.51	697	7	10,710	5.56	596	3-72		35	366	.06	24	31
31-15-0110	2730375	601882	11-67	3	305	13,293	5.24	696	7	10,046	5.45	548	11-71		34	512	.03	28	38
31-15-0110	2794794	585350	5-69	1	305	12,180	5.71	696	7	10,480	5.43	569	9-71		35	311	.15	30	34
31-15-0140	2646016	578382	10-65	3	304	12,490	4.80	599	19	9,847	4.84	477	12-71		41	606	-.09	21	36
31-15-0455	2649465	601882	9-65	5	303	12,814	5.14	659	12	10,456	5.40	565	9-71		36	434	.00	22	31
31-15-0455	2673529	601882	12-65	5	302	13,716	5.34	733	12	11,936	5.24	626	2-72		36	371	.07	25	32
31-15-0455	2730373	601882	11-67	3	305	14,730	4.91	723	16	11,646	5.27	614	11-71		34	511	-.01	24	35
31-15-0455	2770283	609004	11-68	2	305	16,035	4.80	769	21	11,455	5.39	617	12-71		29	722	-.10	26	43
31-15-0569	2575478	594828	2-64	5	305	12,624	5.54	699	20	8,752	5.32	466	9-71		35	603	.08	38	49
31-15-0569	2687182	594828	6-66	4	305	12,038	5.34	643	15	9,438	5.29	499	12-71		33	404	.04	24	32
31-15-0569	2745146	578382	7-67	3	305	11,093	5.25	582	13	8,990	5.44	489	8-71		41	533	-.09	18	31
31-15-9008	2622474	586368	9-63	6	304	12,273	5.48	672	11	9,360	5.27	493	4-71		36	419	.10	30	37
31-15-9673	2490529	582140	7-62	7	305	12,888	5.32	685	24	10,170	5.23	532	8-71		36	515	.00	26	37
31-15-9673	2615067	580714	9-65	5	304	13,160	5.30	698	28	10,752	5.15	554	2-72		40	508	.08	33	42
31-15-9673	2615070	580714	10-65	4	305	15,405	4.86	749	27	10,432	5.18	540	11-71		39	832	-.01	40	58
31-15-9673	2615079	580714	11-65	4	305	11,995	5.39	646	23	10,710	5.15	552	4-71		39	345	.08	25	31
31-15-9673	2706315	580714	1-67	3	305	13,546	4.98	674	18	10,073	5.20	524	5-71		38	601	.01	31	44
31-15-9673	2719125	580714	8-67	3	305	10,843	5.95	645	22	9,460	5.24	496	8-71		38	334	.15	31	36
31-15-9673	2719138	600174	4-67	4	305	14,670	4.94	725	34	10,852	5.18	562	2-72		34	631	-.01	30	44
31-15-9673	2734202	600174	12-67	3	305	14,446	4.92	711	37	10,913	5.20	567	1-72		32	556	-.02	26	38
31-15-9673	2734204	580714	11-67	3	296	13,160	4.90	645	25	10,726	5.18	556	3-72		38	480	.00	24	34
31-15-9673	2755181	578382	1-68	2	305	14,945	4.84	723	32	9,910	5.24	519	1-71		39	830	-.12	29	49
31-15-9673	2818315	593883	9-69	1	305	13,630	5.40	736	36	10,940	5.28	578	11-71		33	530	.11	37	46
31-15-9673	2818316	593883	10-69	1	305	12,740	5.56	708	36	10,940	5.28	578	11-71		33	460	.11	34	42
31-15-9673	2818318	577474	11-69	1	305	14,100	4.99	703	36	11,070	5.32	589	12-71		35	446	.00	22	32
31-15-9673	2818319	592584	11-69	1	305	14,070	5.35	753	40	11,250	5.29	595	12-71		28	388	.05	24	31
31-15-9673	2826703	577474	1-70	1	305	17,110	4.85	829	34	10,670	5.35	571	11-71		35	701	-.02	33	48
31-19-9029	2740268	603032	7-67	3	301	13,553	4.29	581	12	9,126	4.89	446	1-72		32	756	-.16	22	41
31-19-9029	2785830	603032	9-68	2	305	12,175	4.47	544	32	8,290	4.76	395	8-71		29	619	-.10	21	36
31-19-9029	2828646	604694	1-70	1	305	13,130	4.85	637	13	11,020	4.92	542	2-72		34	498	-.01	24	35
31-19-9078	2557253	581893	3-64	2	305	14,005	4.43	621	5	9,930	5.10	506	2-71		30	603	-.14	16	31
31-21-0036	2624580	597112	6-63	5	257	12,404	5.05	626	26	9,920	5.11	507	1-71	B	35	413	.01	22	31
31-21-0036	2709091	577042	8-66	3	305	13,790	4.57	630	22	9,990	5.27	526	1-72		41	557	-.10	18	32
31-21-9024	2202810	563278	11-56	8	297	12,045	5.19	625	25	8,176	5.16	422	12-71		43	516	.03	29	39
31-21-9024	2533440	591295	1-63	5	301	12,100	5.03	609	15	9,382	5.11	479	1-72		37	524	-.03	23	35
31-21-9024	2570735	577042	9-64	4	302	12,383	4.68	579	18	8,460	5.17	437	5-71		42	584	-.06	23	37
31-21-9024	2722340	606804	9-66	3	305	12,270	5.58	685	22	8,977	5.11	459	9-71		32	493	.11	35	44
31-21-9024	2725926	606804	9-66	3	305	12,670	4.95	627	21	9,250	5.10	472	8-71		32	514	.00	26	37
31-23-9095	2827841	602658	2-70	1	303	13,750	4.76	654	25	9,870	5.21	514	1-72		29	829	-.16	25	46
31-23-9160	2595563	575184	11-64	5	303	13,762	5.16	710	23	9,920	4.84	480	9-71		44	575	.01	30	42
31-23-9160	2653612	600523	12-65	5	296	16,998	4.80	816	27	10,242	4.70	481	2-72		32	1,088	.00	54	77
31-26-9390	2798242	578382	11-68	2	305	13,705	5.05	692	10	10,725	5.14	551	12-71		39	625	-.09	22	37
31-32-0016	2727556	602754	10-67	3	305	12,413	5.26	653	11	10,563	5.30	560	2-72		39	538	.01	28	39
31-32-9780	2645472	598447	7-65	4	305	11,885	5.01	596	13	8,607	5.15	443	12-70		35	535	-.03	24	36
31-32-9780	2645473	598447	7-65	5	305	11,900	4.59	546	10	8,652	5.14	445	3-72		36	549	-.11	17	31
31-32-9780	2686067	598447	5-66	4	305	11,117	5.26	585	14	8,412	5.21	438	2-72		35	450	.01	23	32
31-32-9780	2743155	563805	7-67	2	304	12,755	5.10	650	23	9,310	5.27	491	10-71		38	619	.02	33	46
31-33-0038	2839983	604694	12-68	1	305	11,700	4.89	572	12	8,850	5.13	454	3-72		34	539	-.02	25	37
31-35-0100	2455722	562315	9-61	4	295	13,228	4.66	617	17	9,068	5.18	470	3-72		43	560	-.07	21	34
31-35-0100	2493690	589110	9-62	7	304	12,637	4.57	578	21	8,820	5.03	444	7-71		39	556	-.05	23	36
31-35-0100	2713284	602754	4-67	2	183	11,425	4.98	569	28	9,085	5.10	463	10-70	B	35	558	.00	28	40
31-35-9008	2460118	577042	9-61	4	301	14,250	5.01	714	12	10,388	5.17	537	5-71		42	601	-.02	28	41
31-35-9008	2702564	602754	9-66	4	301	12,822	5.22	669	8	10,150	5.33	541	3-72		40	650	.01	33	47
31-35-9008	2702566	602754	9-66	4	302	12,722	5.05	642	13	9,597	5.55	533	11-71		40	702	-.04	31	47
31-35-9008	2702567	602754	9-66	3	297	12,093	5.49	664	11	9,803	5.51	540	10-71		39	582	.02	31	43
31-35-9008	2702568	602754	9-66	4	299	11,247	5.29	595	13	9,592	5.56	533	10-71		40	510	-.01	24	35
31-35-9008	2705644	602754	10-66	3	305	14,986	4.94	740	10	9,840	5.49	540	11-71		39	931	-.05	41	62
31-35-9008	2705646	602754	11-66	3	305	12,630	5.85	739	13	9,680	5.50	532	12-70		39	662	.08	41	54
31-35-9008	2705648	602754	11-66	2	305	11,660	5.81	677	13	9,805	5.42	531	11-70		36	513	.08	33	43
31-35-9008	2731265	602754	11-67	2	303	12,815	5.07	650	6	10,825	5.03	545	6-71		36	539	.02	29	40
31-35-9008	2731272	602754	9-67	2	305	12,765	5.43	693	13	9,760	5.41	528	12-70		36	636	.03	35	46
31-35-9008	2731273	602754	9-67	2	305	12,110	5.42	656	6	10,705	5.16	552	4-72		35	474	.06	29	38
31-35-9008	2884704	602754	10-68	1	305	13,030	5.38	701	6	10,030	5.69	571	12-71		32	575	.00	29	41
31-35-9013	2520974	593014	1-63	7	305	11,317	4.85	549	31	8,547	4.93	421	12-71		35	497	-.02	23	34
31-35-9013	2740991	602657	10-67	2	305	12,910	4.73	610	33	9,110	4.99	455	2-71		29	536	-.05	22	34
31-38-9001	2648823	600132	11-65	3	305	12,290	5.52	678	24	9,623	5.20	500	4-71		33	350	.09	26	32
31-38-9001	2801845	610639	10-69	1	305	12,610	6.14	774	32	9,260	5.39	499	11-71		19	319	.12	27	32
31-38-9001	2859400	592584	1-70	1	305	13,610	5.49	747	27	9,290	5.47	508	12-71		28	497	.05	30	40
31-39-9020	2672189	572156	8-58	2	305	15,640	4.64	725	23	10,710	4.60	493	4-71		25	643	-.02	30	44
31-39-9620	2831089	609904	1-70	1	305	15,740	4.49	706	16	8,540	5.00	427	1-72		29	615	-.08	23	37
31-42-9034	2330218	562315	3-58	10	301	11,558	5.16	596	13	8,290	5.39	447	1-71		44	457	-.01	22	32
31-42-9034	2792561	604694	2-69	1	305	12,250	4.91	601	20	7,780	5.37	418	7-71		34	655	-.03	30	44
31-42-9034	2847781	604694	3-69	2	305	10,555	5.08	536	16	8,940	5.23	468	3-72		38	467	.00	23	33
31-42-9034	2853919	604694	5-69	1	305	11,130	5.16	574	20	8,690	5.18	450	11-71		34	506	.01	26	37
31-42-9034	2860818	604694	7-69	1	275	11,460	4.55	521	21	7,840	5.31	416	8-71		34	590	-.05	24	38
31-45-0004	2825867	578382	8-69	1	305	12,310	4.61	568	16	8,540	5.05	431	10-71		35	504	-.12	18	33
31-45-0017	2455690	508078	7-61	8	305	11,660	4.88	569	12	9,359	4.89	458	4-71		43	438	.03	25	34
31-45-0017	2557407	575184	11-63	3	305	12,320	4.85	598	24	8,600	5.06	435	9-71		42	493	-.06	19	31
31-45-0036	2654712	601159	12-65	3	305	12,133	4.99	606	12	8,156	5.13	418	9-70		33	515	.01	27	36

TABLE 4. JERSEY USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C D	REPT (%)	.......C O W MILK (LB)	I N D E X....... FAT (%)	FAT (LB)	DOL-LARS
31-45-0096	2727502	600213	10-66	3	289	14,480	4.76	689	13	10,366	4.86	504	5-71		32	612	-.04	27	$ 41
31-45-0096	2802847	603463	5-68	2	305	13,310	4.88	649	21	10,380	4.87	505	5-71		32	565	.03	31	43
31-45-9035	2296215	576938	12-58	9	305	12,714	5.19	660	15	9,644	5.16	498	7-71		37	494	.05	29	39
31-45-9035	2587276	568199	8-64	6	305	12,742	4.81	613	19	9,622	5.04	485	8-71		42	524	-.03	23	35
31-45-9035	2745037	606360	8-67	3	305	13,310	5.12	681	15	9,900	5.09	504	10-71		29	496	.01	26	36
31-45-9035	2805080	604694	9-69	1	305	12,990	4.97	646	21	10,060	4.96	499	9-71		34	554	.00	28	40
31-49-0043	2567510	574790	5-64	4	305	10,848	5.50	597	27	8,025	5.35	429	8-71		35	442	.03	25	34
31-49-0043	2601914	591130	8-65	5	305	11,252	4.99	562	24	8,056	5.31	428	9-71		38	517	-.02	24	35
31-49-0043	2833476	585348	2-70	1	305	12,710	5.36	681	23	8,520	5.55	473	1-72		35	504	-.04	21	32
31-49-9035	2760139	593430	11-67	2	305	13,275	5.11	679	9	9,635	5.30	511	4-71		29	441	.00	22	31
31-49-9720	2346765	569178	9-58	10	304	13,224	4.51	596	17	9,252	5.10	472	12-71		38	622	-.13	18	34
31-49-9720	2700907	563805	1-67	3	305	12,617	5.25	662	22	8,993	5.19	467	8-71		41	676	.04	38	52
31-49-9720	2773540	574629	7-68	2	305	14,395	4.67	672	27	9,605	5.21	500	10-71		39	504	-.06	19	31
31-52-0106	2666652	602161	5-65	5	272	11,970	4.54	544	7	8,604	4.97	428	6-71		32	524	-.08	18	31
31-52-0115	2797009	609004	2-69	1	305	12,470	5.46	681	27	9,270	5.46	506	12-71		23	442	.00	22	31
31-52-0115	2797011	609004	2-69	1	305	13,820	5.30	732	23	9,250	5.44	503	11-71		23	566	-.01	27	39
31-54-9016	2718990	563813	11-66	2	305	14,985	4.14	620	7	10,025	4.82	483	3-71		40	607	-.07	23	37
31-59-9840	2790513	601902	10-68	2	305	14,460	4.72	683	24	9,935	5.13	510	11-71		37	503	-.02	23	34
31-65-0027	2644245	563813	3-66	4	283	11,055	5.28	584	9	8,520	5.15	439	2-71		43	395	.07	26	33
31-65-9483	2801941	595550	8-69	1	305	12,810	4.52	579	5	8,190	4.85	397	2-72		35	441	.00	22	31
31-67-0040	2645167	578382	9-65	3	305	11,523	4.72	544	15	8,223	5.11	420	1-71		41	664	-.12	21	37
31-68-0059	2663674	595116	11-65	4	303	10,275	5.36	551	21	8,280	5.02	416	4-71		35	365	.06	24	31
31-68-0062	2584330	563805	1-65	5	305	11,784	5.68	669	21	10,244	5.47	560	7-71		43	458	.07	30	38
31-72-0018	2749338	604156	3-67	2	305	12,285	4.66	573	5	8,320	5.01	417	8-71		25	491	-.05	20	31
31-72-0018	2810863	604694	5-69	1	298	11,200	4.66	522	7	7,920	4.94	391	8-71		34	564	-.02	26	38
31-72-9017	2616247	568199	6-65	5	303	11,450	4.94	566	23	8,506	5.16	439	11-71		42	485	-.02	22	33
31-72-9027	2874904	604694	8-69	1	266	10,640	5.38	572	8	8,270	5.26	435	9-71	B	34	497	.02	27	37
31-72-9043	2406017	570543	10-60	7	301	11,371	4.33	492	10	8,687	5.04	438	11-71		36	591	-.13	17	32
31-72-9043	2549128	570543	11-63	7	297	11,162	5.19	579	10	9,190	5.05	464	1-72		36	492	.02	26	36
31-76-9425	2446709	497574	10-61	8	301	11,906	5.06	603	20	9,370	5.15	483	12-71		44	624	-.02	29	43
31-76-9425	2745562	602754	10-67	3	305	11,363	5.24	595	21	10,170	5.24	533	1-72		39	453	.02	24	33
31-76-9425	2745570	602754	10-67	3	305	11,043	5.64	623	17	9,906	5.26	521	2-72		39	443	.07	29	37
31-76-9425	2780151	602754	12-68	1	305	12,610	5.18	653	20	10,560	5.18	547	1-71		32	504	.02	27	37
31-76-9425	2780152	602754	1-68	2	305	10,870	5.11	555	22	9,730	5.18	504	4-71		36	435	.03	22	31
31-78-0090	2761510	578382	8-68	1	305	10,300	4.82	496	16	7,010	4.79	336	4-71		35	556	-.09	19	32
31-79-0073	2502507	587850	1-63	7	260	12,220	4.99	610	7	8,847	5.06	448	11-71	8	35	593	-.01	29	42
31-80-0082	2822879	603622	8-66	1	305	11,190	5.56	622	8	7,660	5.22	400	11-71		23	400	.06	26	33
31-80-0082	2822880	603622	7-67	1	303	11,100	5.76	639	8	7,390	4.84	358	5-71		23	414	.11	31	38
31-81-9910	2888255	604694	3-70	1	305	12,100	4.61	558	10	9,270	5.15	477	2-72		34	540	-.04	23	35
31-83-0003	2785353	578382	12-68	2	304	12,105	4.59	556	24	8,735	4.92	430	11-71		39	645	-.12	20	36
31-83-0003	2798346	583958	8-69	1	304	13,330	4.59	612	28	8,760	4.79	420	10-71		35	604	-.05	25	39
31-83-0003	2836678	583958	4-70	1	305	14,630	4.53	663	6	10,010	4.61	461	4-72		35	617	-.05	26	40
31-85-0203	2821024	581394	9-69	1	305	14,760	4.51	666	19	9,910	5.07	502	10-71		26	637	-.13	19	35
31-85-9067	2394335	576342	2-60	7	305	14,295	5.53	791	21	8,778	5.31	466	11-70		40	741	.15	52	65
31-85-9067	2446873	576342	10-60	8	305	12,106	5.34	647	20	8,906	5.28	470	8-71		40	418	.11	31	36
31-85-9067	2769577	601933	2-68	2	301	14,125	4.47	632	29	9,335	5.28	493	8-71		30	653	-.16	17	34
31-85-9143	2732447	605226	7-66	3	305	12,080	4.86	587	31	8,477	5.39	457	7-71		29	503	-.06	19	31
31-85-9143	2805712	602754	2-69	1	305	10,400	5.21	542	25	8,390	5.29	444	6-71		32	483	.01	25	35
31-85-9148	2639851	581394	1-66	3	296	11,870	4.95	587	43	8,580	5.22	448	2-71		34	612	-.09	22	37
31-85-9148	2731265	602754	11-67	2	304	13,200	4.84	639	28	9,755	5.31	518	12-71		36	684	-.04	30	45
31-85-9175	2609080	567370	4-64	5	290	11,607	5.04	585	13	8,998	5.23	471	8-71		44	501	-.03	22	33
31-85-9175	2696528	551047	11-62	4	305	13,132	4.96	652	16	9,725	5.19	505	10-71		35	522	-.02	24	35
31-85-9175	2797965	602754	10-68	2	305	13,535	4.55	616	22	9,510	5.24	498	11-71		36	743	-.08	29	46
31-86-0063	2716808	497574	3-67	3	305	10,587	5.38	570	6	8,523	5.14	438	4-72		42	535	.02	29	4
31-86-0063	2794802	604694	11-68	1	305	16,870	4.16	702	11	9,280	4.62	429	2-71		34	907	-.08	37	56
31-86-0063	2794805	604694	2-69	1	305	12,090	4.21	509	12	9,260	4.61	427	1-71		34	540	-.05	22	34
31-86-0063	2813634	604694	7-69	1	305	11,130	4.21	469	9	8,470	5.11	433	8-71		34	521	-.07	19	31
32-01-9050	2704662	605046	12-66	3	305	11,580	5.30	614	10	8,827	5.08	448	1-72		29	387	.05	24	31
32-01-9050	2771075	608089	10-68	2	305	14,695	4.37	642	9	9,690	5.03	487	1-72		30	588	-.12	18	33
32-20-0764	2675749	598943	10-64	5	301	13,906	4.95	689	20	9,426	5.26	496	9-71		36	700	-.04	31	47
32-20-0764	2878139	585350	11-69	1	305	11,240	5.36	603	17	9,540	5.08	485	11-71		35	304	.15	29	33
32-29-9320	2688135	594407	9-66	3	299	13,657	5.07	692	20	7,527	5.59	421	10-71		42	592	-.02	28	41
32-29-9320	2811218	585350	8-69	1	305	10,240	5.21	534	28	8,000	5.50	440	8-71		35	333	.11	27	32
32-30-0325	2809013	595658	2-67	1	305	13,700	5.35	733	5	9,830	5.08	499	11-71		26	396	.06	25	32
32-33-9713	2539416	564125	8-63	7	304	14,171	4.78	678	9	9,947	5.25	522	2-72		44	614	-.06	25	39
32-38-9900	2546904	583644	2-61	7	300	10,756	5.43	584	11	7,999	5.45	436	9-71	8	38	437	.10	31	39
32-38-9900	2722193	583644	2-67	3	305	11,710	5.49	643	10	9,407	5.39	507	5-71		36	360	.12	29	35
32-47-0820	2792503	585350	1-69	1	305	10,560	5.06	534	11	8,570	4.97	426	1-72		35	319	.13	28	33
32-47-0820	2860272	593816	1-69	1	305	13,970	4.40	614	8	9,300	4.59	427	10-71		35	542	-.06	21	34
32-48-0412	2748737	602019	3-66	4	303	11,610	4.83	561	13	8,565	5.21	446	9-71		33	484	-.03	21	32
32-59-0650	2571685	564043	10-63	3	304	13,533	4.97	673	20	9,683	4.72	457	2-72		40	404	.06	26	34
32-59-0650	2742297	602754	8-67	3	305	11,220	4.82	541	31	9,076	4.61	418	8-71		39	556	.02	30	41
32-59-0650	2742418	602754	8-67	3	303	10,216	4.96	507	29	9,126	4.58	418	7-71		39	428	.05	26	34
32-67-0531	2604694	595216	2-65	4	305	13,030	4.56	594	15	9,028	5.03	454	3-72		30	606	-.08	22	36
32-68-9285	2448845	565303	11-61	6	274	13,703	5.92	811	13	8,607	5.41	466	11-71		42	636	.16	47	58
32-68-9285	2693741	604021	9-66	4	300	12,820	5.07	650	14	9,170	5.46	501	11-71		30	555	-.04	24	36
32-73-9241	2529187	563805	6-63	6	305	11,382	5.27	600	14	9,122	5.08	463	5-71		43	539	.06	33	43
32-73-9241	2567368	563805	8-64	4	305	11,693	5.24	613	18	9,788	5.32	521	10-71		42	493	.03	27	37
32-73-9241	2598408	563805	5-65	5	305	10,722	5.10	547	12	8,644	5.30	458	8-71		43	509	.01	26	37
32-73-9241	2811025	563805	12-69	1	305	12,890	4.95	638	12	10,000	5.41	541	12-71		34	505	.00	25	36
33-01-0271	2784648	593883	10-68	2	304	12,125	5.07	615	32	9,420	5.16	486	10-71		38	574	.08	36	47
33-01-0271	2784658	593883	1-69	2	301	11,565	4.95	573	32	10,060	4.97	500	1-72		38	455	.08	30	38
33-01-0271	2784660	593883	3-69	2	302	12,045	5.06	610	32	10,060	4.97	500	1-72		38	505	.09	34	43
33-09-0004	2783386	593883	11-68	2	305	11,620	4.91	571	8	9,280	5.14	477	1-72		38	534	.06	32	42
33-09-0004	2783387	593883	2-69	2	295	10,530	5.19	546	9	7,900	4.99	394	3-72		38	551	.10	37	47

TABLE 4. JERSEY USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C O	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOLLARS
33-09-0004	2783388	593883	2-69	1	305	10,870	5.37	584	5	7,940	4.87	387	5-71		33	525	.12	38	$ 47
33-11-0147	2523858	497574	1-62	7	301	10,226	4.88	499	8	8,620	5.12	441	10-71		44	493	-.04	21	32
33-24-0310	2768854	595550	5-68	2	303	11,675	5.46	637	9	9,425	4.90	462	5-71		39	325	.10	26	31
33-24-0614	2532263	567370	11-63	4	305	12,215	5.12	625	13	9,598	4.97	477	2-72		44	497	.01	26	36
33-24-0614	2605918	570421	3-65	3	305	12,513	5.12	641	9	9,367	4.90	459	6-71		41	420	.01	22	31
33-37-0210	2623824	602461	6-65	4	305	11,130	4.46	496	15	7,323	5.05	370	6-71		30	550	-.10	18	31
33-41-0211	2628525	593730	9-63	5	303	11,814	4.75	561	20	8,658	5.11	442	10-70		35	521	-.06	20	32
33-41-0211	2742223	604622	8-67	3	305	10,756	6.02	648	40	8,970	5.01	449	1-72		32	313	.20	35	38
33-41-0211	2742237	604622	11-67	3	305	10,943	5.57	610	38	8,920	5.03	449	12-71		32	345	.13	30	35
33-41-0211	2784163	604622	9-68	1	305	12,030	5.40	650	40	8,770	5.04	442	10-70		23	373	.09	27	33
33-41-0211	2784178	599928	3-68	2	305	11,105	5.05	561	26	8,625	5.04	435	8-71		30	393	.04	23	31
33-41-0211	2784181	599928	5-68	2	305	10,730	5.71	613	27	8,640	5.01	433	5-71		30	347	.12	29	34
33-41-0211	2784187	599928	10-68	1	305	12,800	5.48	702	34	9,730	5.03	489	3-71		24	391	.09	28	35
33-41-0211	2784190	599928	3-69	1	305	11,760	5.48	645	32	9,120	4.97	453	5-71		24	347	.09	26	32
33-41-0211	2784192	599928	4-69	1	305	12,690	4.88	619	26	8,800	4.90	431	6-71		24	456	.02	25	34
33-55-0513	2798754	577474	7-69	1	305	13,720	4.99	684	65	8,430	5.50	464	10-71		35	597	-.01	29	42
33-55-0513	2819399	600211	3-69	2	292	11,610	5.56	645	25	9,770	5.23	511	3-72		39	349	.08	25	31
33-55-0513	2821516	609724	8-69	1	305	11,970	5.59	669	64	8,440	5.49	463	10-71		23	375	.06	24	31
33-62-0675	2515539	575184	11-62	5	305	13,120	4.77	626	22	8,698	4.99	434	12-71		44	634	-.07	25	40
33-62-0675	2552275	575184	2-64	6	305	12,020	5.06	608	27	8,733	5.03	439	3-71		44	488	-.02	22	33
33-69-0271	2814172	585350	11-69	1	305	11,920	5.53	659	21	10,020	5.01	502	11-71		35	323	.17	32	36
33-77-0313	2568263	597006	9-63	6	305	11,916	6.05	721	32	9,558	5.23	500	11-71		36	473	.17	40	47
33-77-0313	2588520	597006	9-64	5	305	13,046	4.74	618	35	10,204	5.22	533	11-71		36	555	-.08	20	33
33-77-0313	2592785	597006	7-64	5	305	14,992	5.19	778	31	10,392	5.20	540	9-71		36	821	.02	43	66
33-77-0313	2733459	578382	4-66	3	305	14,663	4.95	726	44	11,090	5.19	576	5-71		41	729	-.10	26	43
33-77-0611	2620966	601455	7-65	3	244	15,637	5.28	825	21	10,997	5.13	564	3-72	8	29	687	.05	39	53
33-77-0611	2743420	605342	9-67	2	266	16,090	5.15	829	20	12,020	5.18	623	12-71	8	29	728	.04	40	55
33-77-0611	2743421	605342	11-67	1	305	15,850	5.27	836	23	13,140	5.15	677	12-70		23	499	.05	30	4[illegible]
33-77-0611	2743422	605342	7-67	2	297	13,885	5.34	742	19	12,015	5.15	619	1-72		29	462	.07	30	39
33-77-0611	2756518	605342	7-68	2	300	12,260	5.74	704	19	11,165	5.33	595	9-71		29	357	.11	28	34
33-77-0611	2760247	605342	1-68	1	106	13,230	6.26	828	14	10,990	5.42	596	10-71	8	23	437	.15	36	43
33-77-0611	2790606	605342	7-68	1	305	12,680	5.10	647	11	10,530	4.90	516	8-70		23	424	.05	26	34
33-77-0611	2825961	605342	11-69	1	305	13,710	5.03	690	16	10,890	5.15	561	1-72		23	488	.02	26	36
33-77-0611	2831589	605342	4-68	2	305	14,950	4.96	741	19	11,925	5.15	614	1-72		29	600	.00	30	43
33-77-0611	2831591	605342	8-68	1	305	12,720	5.57	708	18	11,450	5.21	597	9-70		23	353	.08	25	31
33-77-0611	2831592	605342	8-68	1	305	14,010	5.40	757	18	11,450	5.21	597	9-70		23	470	.07	30	39
33-77-0611	2831593	605342	8-68	2	299	12,195	5.43	662	16	10,705	5.18	555	9-71		29	400	.07	27	34
33-77-0611	2831594	605342	8-68	1	305	13,190	5.74	757	18	11,450	5.21	597	9-70		23	396	.11	30	37
33-87-0717	2781472	597050	3-66	4	305	14,780	4.32	639	12	10,165	5.19	528	12-71		33	681	-.16	18	35
33-92-0143	2675185	587831	9-64	5	305	16,168	4.70	760	6	10,422	4.98	519	7-71		35	907	-.07	38	59
33-92-0143	2705831	603707	1-67	3	287	11,713	4.97	582	5	9,583	5.02	481	9-71	8	33	442	-.01	21	31
33-92-0143	2757372	587831	8-65	3	256	18,837	4.98	938	10	11,500	4.97	572	1-72	8	32	1,043	.00	52	74
33-92-0143	2757378	603707	2-68	2	305	14,255	4.90	699	7	11,090	5.01	556	12-70		30	558	-.02	26	38
33-92-0143	2758171	587831	8-65	4	303	15,280	4.93	753	8	11,415	5.02	573	7-71		34	612	-.03	28	42
33-92-0143	2863214	603707	12-68	2	305	17,565	4.70	826	7	10,180	5.07	516	2-72		30	1,050	-.07	45	69
33-92-0143	2879248	603707	8-69	1	305	17,450	5.03	878	6	10,370	5.11	530	3-72		24	812	-.01	39	57
34-12-0001	2793076	571382	11-68	1	305	11,580	5.32	616	46	9,600	5.42	520	1-71		35	652	-.17	16	33
34-12-0527	2761309	606793	1-68	2	300	15,075	5.16	778	19	11,665	5.28	616	1-71		29	494	-.01	24	35
34-12-0527	2761721	575184	1-63	1	305	19,050	4.53	863	10	11,570	4.91	568	5-71		36	655	-.10	23	39
34-12-0535	2547756	595116	7-63	4	305	13,740	4.41	606	19	9,420	4.93	464	8-70		35	709	-.10	25	47
34-12-0535	2681318	595116	4-66	4	305	12,127	5.08	616	26	9,467	4.88	462	2-72		35	476	.03	27	37
34-12-0535	2681319	595116	8-66	3	304	13,830	4.59	635	33	9,440	4.97	469	3-72		34	680	-.06	23	44
34-13-0005	2573610	563805	7-64	5	277	12,426	5.01	622	55	9,934	5.11	508	7-71		43	581	.01	30	42
34-13-0005	2617094	574790	6-65	4	304	12,345	4.75	587	55	9,248	5.02	464	2-71		35	498	-.06	19	31
34-13-0005	2680144	598392	7-66	4	305	12,425	5.15	640	45	9,242	5.09	470	3-72		35	441	.03	25	34
34-13-0005	2791622	604694	1-69	2	305	12,455	5.36	667	43	10,155	5.09	517	3-72		38	552	.05	32	43
34-23-0217	2686071	598447	7-66	1	305	15,540	4.71	732	6	10,500	5.00	525	11-71		24	544	-.06	21	34
34-34-0115	2795989	580836	3-69	1	305	14,200	4.75	674	5	9,630	4.99	481	3-72		35	420	.01	22	31
34-38-0015	2460273	579260	3-58	8	305	14,988	5.02	752	28	9,649	5.15	497	1-71		36	864	.00	43	61
34-38-0027	2783818	565303	9-66	3	305	13,437	4.69	630	20	9,137	5.10	466	1-72		39	472	-.04	20	31
34-49-0016	2507990	497574	11-62	7	300	10,986	5.44	598	41	9,621	5.48	527	4-71		44	474	.00	24	34
34-49-0016	2598648	572745	6-64	6	301	12,276	5.29	650	80	8,753	5.69	498	10-71		35	464	-.03	21	32
34-49-0016	2598663	587097	8-64	5	298	11,812	5.50	650	66	8,796	5.56	489	4-71		35	471	.04	27	36
34-49-0016	2656423	556063	12-65	4	300	14,115	6.14	866	31	9,253	5.30	490	5-71		42	550	.28	55	62
34-49-0016	2701353	556063	10-66	3	305	12,283	6.07	745	32	8,910	5.48	488	9-71		41	327	.23	38	41
34-49-0016	2783362	590165	2-69	1	305	11,650	5.77	672	75	8,230	5.61	462	8-71		29	448	.00	22	32
34-49-0016	2823335	590165	8-69	1	291	13,730	5.27	724	35	9,040	5.65	511	11-71		29	560	-.05	23	36
34-54-0001	2195916	563805	3-57	9	305	13,887	4.95	688	23	11,392	5.08	579	4-71		43	501	.00	30	43
34-54-0001	2482323	577107	5-62	7	305	11,503	4.88	561	20	8,811	5.32	469	2-71		38	581	-.08	21	35
34-54-0001	2572474	599331	12-64	5	305	13,672	4.94	676	12	10,262	5.15	528	6-71		36	561	-.03	25	37
34-54-0001	2790235	604694	2-69	1	305	14,410	4.57	658	17	9,950	5.26	523	2-71		34	671	-.06	27	42
34-54-0001	2790236	604694	3-69	1	305	16,070	5.00	804	17	9,950	5.26	523	2-71		34	799	-.02	38	55
34-54-0001	2790237	604694	1-69	1	305	12,220	5.31	649	17	9,950	5.26	523	2-71		34	502	.01	26	37
34-54-0001	2804666	604694	8-69	1	305	11,530	5.27	608	22	9,500	5.18	492	8-71		34	480	.01	25	35
34-54-0001	2806215	604694	4-69	1	305	15,290	4.71	720	14	10,370	5.23	542	5-71		34	710	-.04	31	47
34-55-0007	2427580	553233	3-61	7	305	12,591	4.63	583	9	8,054	5.15	415	8-71		41	680	-.06	28	44
34-58-0040	2720474	563813	8-66	3	305	12,030	5.13	617	11	9,270	5.13	475	2-71		42	412	.05	25	33
34-58-0040	2875189	585350	6-69	1	305	10,600	5.52	585	18	8,890	5.13	456	10-71		35	300	.16	30	34
34-59-0089	2422950	555208	3-61	8	303	11,961	5.34	639	5	9,362	5.15	482	12-70		40	487	.09	33	42
34-62-0005	2736768	604774	11-67	2	305	14,170	3.97	563	10	9,580	4.96	475	4-71		29	655	-.19	14	31
34-73-0018	2737103	584458	12-67	2	305	13,955	5.25	733	9	9,045	5.27	477	3-71		40	749	-.02	35	51
34-73-0018	2841945	612243	4-70	1	305	12,710	5.33	678	8	8,850	4.82	427	3-72		19	364	.06	24	31
34-74-0805	2359013	508399	10-59	9	304	11,203	4.77	534	19	8,198	5.10	418	11-71		42	522	-.06	20	32
34-74-0805	2729971	604166	7-66	3	305	10,497	5.76	605	20	7,843	5.42	425	4-71		33	378	.11	29	35
34-76-0015	2497038	584562	3-62	6	302	11,905	4.99	594	33	8,168	5.28	431	11-70		43	503	-.01	24	35

TABLE 4. JERSEY USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C D	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
34-76-0015	2497049	584562	9-62	5	305	10,920	6.07	663	29	8,506	5.27	448	4-71		43	333	.15	31	$ 36
34-76-0710	2539094	592831	1-64	5	304	11,414	4.85	554	16	7,852	5.34	419	9-71		35	479	-.04	20	31
35-03-0358	2736890	576127	10-67	3	292	10,967	4.65	510	53	7,797	5.23	408	8-71		41	452	-.02	21	31
35-03-0688	2764578	600211	5-68	1	305	13,920	4.63	645	22	10,150	5.20	528	9-70		35	458	-.02	21	31
35-03-0688	2783141	600211	8-68	2	305	13,290	5.30	704	6	9,730	5.25	511	3-72		39	527	.05	31	41
35-06-0002	2680425	600211	8-66	4	305	12,192	5.21	635	27	8,825	5.18	457	12-71		42	564	.04	32	43
35-06-0002	2680430	600211	9-66	4	305	11,637	5.22	608	24	9,000	5.08	457	3-72		42	474	.06	29	38
35-06-0002	2764763	600211	3-66	4	305	11,862	5.29	627	24	9,112	4.99	455	7-71		42	490	.07	31	40
35-06-0006	2583605	566892	11-64	5	304	10,996	5.21	573	54	8,840	4.74	419	8-71		37	402	.11	31	38
35-06-0012	2702796	600211	1-67	4	305	12,340	4.44	548	29	9,540	4.85	463	12-71		42	501	-.04	21	32
35-10-0084	2713469	600211	3-67	3	305	12,396	4.34	538	10	8,806	4.94	435	9-71		41	562	-.06	22	35
35-10-0084	2715246	573431	8-66	4	301	11,340	4.62	524	14	8,648	4.85	419	4-72		42	519	-.03	23	35
35-10-0084	2715248	573431	9-66	4	305	11,138	5.09	567	11	8,488	4.91	417	2-72		42	511	.04	29	39
35-10-0084	2717219	573431	6-66	3	305	11,863	4.77	566	10	9,523	4.90	467	10-71		41	468	-.01	22	32
35-10-0422	2713468	600211	1-67	3	305	11,936	5.35	638	7	10,120	5.00	506	1-71		41	370	.08	26	33
35-10-0465	2651957	575184	3-64	5	305	12,508	5.19	649	13	9,206	5.20	479	12-71		44	496	-.02	23	34
35-10-0465	2819384	585350	10-69	1	305	10,980	5.16	567	14	8,750	5.22	457	9-71		35	338	.12	28	33
35-17-0048	2706954	605615	2-67	3	298	11,033	6.15	679	32	8,670	5.22	453	9-71		32	332	.17	33	37
35-17-0051	2774444	606833	12-68	2	305	15,750	4.27	672	6	10,195	5.37	547	3-72		29	802	-.21	19	40
35-17-0078	2710460	600211	11-66	3	305	14,433	4.21	607	22	9,616	4.83	464	5-71		41	715	-.09	27	44
35-17-0078	2719873	600211	3-67	3	305	12,910	5.36	692	17	10,090	4.90	494	9-71		41	487	.10	34	43
35-17-0415	2622636	581394	7-65	3	305	14,490	4.20	609	6	8,253	5.00	413	10-71		34	994	-.20	29	54
35-18-0178	2616585	573431	10-65	3	305	12,083	5.31	642	7	9,607	5.06	486	1-71		41	485	.05	29	38
35-22-0050	2575071	573431	11-64	5	298	12,112	4.50	545	12	9,752	4.97	485	1-71		43	501	-.06	19	31
35-22-0050	2600895	573431	3-65	6	301	13,072	5.17	676	14	9,802	5.00	490	2-72		43	621	.04	35	48
35-22-0050	2719092	600907	4-67	3	303	13,937	4.91	685	13	10,300	4.96	511	11-71		32	508	.00	25	36
35-32-0037	2541495	560800	9-63	6	301	10,002	5.68	568	21	8,332	5.03	419	11-71		44	402	.07	27	34
35-34-0013	2603865	573431	1-65	5	303	13,820	4.69	648	23	10,338	5.10	527	4-71		43	656	-.06	27	42
35-34-0013	2728055	600211	7-67	3	305	13,736	5.24	720	16	10,356	4.97	515	8-71		41	556	.08	35	46
35-36-0015	2690129	573431	6-66	4	305	11,473	4.82	553	10	8,465	4.82	408	10-71		42	556	.00	28	40
35-36-0015	2764883	573431	4-68	2	305	12,420	4.96	616	14	8,730	4.71	411	5-71		39	575	.03	32	44
35-36-0015	2773989	573431	8-68	2	305	11,855	4.56	540	8	8,660	4.78	414	10-71		39	523	-.03	23	35
35-36-0015	2797147	573431	2-69	2	305	13,615	5.36	730	11	9,305	4.62	430	3-72		39	645	.10	42	54
35-36-0015	2812589	600211	8-69	1	305	13,380	4.89	654	13	9,910	4.63	459	11-71		35	434	.05	26	34
35-36-0015	2820422	573431	11-69	1	305	13,390	4.24	568	11	9,440	4.66	440	1-72		35	515	-.05	21	33
35-36-0030	2704588	600211	9-66	4	266	13,092	4.50	589	8	9,470	5.05	478	3-72	B	42	604	-.06	24	38
35-36-0149	2666634	573431	6-66	4	304	12,790	5.43	694	21	9,903	5.25	520	2-72		42	559	.05	33	44
35-36-0555	2757981	573431	1-68	1	305	11,890	5.12	609	7	9,440	4.94	466	7-71		35	400	.03	23	31
35-45-0142	2710845	600211	12-66	4	305	11,542	4.81	555	9	9,322	4.93	460	11-71		42	425	.01	22	31
35-45-0142	2710846	600211	12-66	3	305	10,710	5.54	593	9	9,143	4.95	453	3-71		41	329	.11	27	32
35-49-0176	2659188	591131	11-65	3	305	11,993	5.03	603	5	9,217	5.09	469	7-71		41	393	.04	23	31
35-53-0035	2531490	573431	10-63	6	305	13,268	4.65	617	12	10,847	5.14	558	1-72		43	523	-.07	19	31
35-53-0035	2711353	584458	2-67	3	305	16,387	4.58	751	15	10,553	5.14	542	5-71		42	937	-.13	33	55
35-54-0052	2827082	590317	1-70	1	305	18,740	4.02	754	15	11,620	4.80	558	1-72		33	623	-.12	19	34
35-56-0037	2488649	568425	1-62	7	305	12,241	5.44	666	22	9,723	5.37	522	3-71		38	403	.05	25	33
35-56-0037	2618111	563813	10-65	4	305	12,888	5.42	698	22	10,460	5.51	576	11-71		43	406	.05	25	33
35-56-0037	2798182	592437	2-69	2	305	12,845	5.27	677	20	9,755	5.40	527	4-72		29	455	.00	23	33
35-56-0256	2499707	593406	12-62	5	300	14,938	5.44	812	41	11,646	5.21	607	9-70		36	492	.06	30	40
35-56-0256	2551779	563805	1-64	5	305	13,862	5.53	767	38	11,408	5.16	589	12-71		43	596	.11	40	51
35-56-0256	2557639	581394	6-64	5	305	16,252	4.67	759	31	12,208	5.10	622	6-71		37	815	-.15	26	46
35-56-0256	2578650	581394	7-64	5	304	14,656	4.95	726	34	12,134	5.11	620	3-71		37	592	-.08	22	36
35-56-0256	2622638	579780	7-65	5	305	15,032	4.71	708	39	11,796	5.08	599	2-72		40	595	-.10	20	34
35-56-0256	2622641	563805	7-65	4	303	13,115	5.12	672	32	11,993	5.01	601	5-71		42	422	.05	26	34
35-56-0256	2622645	563805	8-65	2	305	17,005	4.72	803	30	11,640	5.07	590	10-71		38	844	-.03	39	58
35-56-0256	2682408	566892	9-66	4	292	13,998	4.98	697	40	11,358	5.12	582	11-71		36	495	.03	28	38
35-56-0256	2704510	603289	1-67	3	304	14,476	5.27	763	27	12,013	5.04	605	2-72		33	403	.05	25	33
35-56-0256	2753392	581394	1-68	2	305	16,165	4.63	749	33	11,395	5.20	592	11-71		32	772	-.14	24	43
35-56-0256	2766012	563805	4-68	2	305	14,615	4.32	632	33	11,460	5.03	577	8-71		38	612	-.08	23	37
35-56-0256	2770401	581394	3-68	2	305	14,610	5.11	747	32	11,215	5.22	585	9-71		32	611	-.07	24	38
35-56-0256	2770405	581394	4-68	2	305	14,815	4.88	723	35	11,555	5.18	599	1-72		32	599	-.10	20	35
35-56-0256	2781330	581394	9-68	1	298	15,720	4.49	706	37	11,560	5.09	588	2-71	B	26	592	-.14	16	31
35-56-0256	2781332	581394	9-68	2	305	15,630	5.23	817	33	11,790	5.12	604	3-72		32	669	-.03	30	45
35-57-0063	2710361	600211	1-67	3	290	12,526	4.98	624	16	10,453	5.03	526	1-71		41	404	.03	23	31
35-57-0063	2730853	600211	10-67	2	305	13,115	5.57	730	11	10,110	5.12	518	3-71		39	473	.10	33	41
35-63-0023	2701955	563813	9-65	3	294	11,850	5.11	606	19	9,453	4.94	467	5-71		42	372	.06	24	31
35-63-0120	2761426	603289	6-68	2	303	13,125	4.37	573	30	8,835	4.79	423	8-71		30	543	-.07	20	33
35-63-0493	2513156	586322	10-62	3	305	14,560	4.40	640	11	8,857	5.16	457	1-71		29	808	-.14	26	46
35-63-0493	2801990	607564	4-69	2	305	13,130	4.71	618	14	9,030	5.09	460	4-72		25	517	-.06	20	32
35-65-0076	2736633	576127	9-67	2	305	12,295	5.04	620	11	9,335	5.20	485	8-71		39	409	.04	24	32
35-68-0063	2671594	600211	8-66	4	305	11,867	5.08	603	21	9,492	5.20	494	8-71		42	447	.02	24	33
35-68-0063	2783774	585350	1-69	2	305	11,585	5.61	650	23	9,580	5.19	497	1-72		39	372	.17	35	40
35-70-0033	2734972	600211	11-67	1	305	10,840	4.94	535	9	7,170	5.30	380	10-70		35	428	.02	23	32
41-10-0314	2718060	602658	12-66	2	305	11,575	4.80	556	6	9,235	4.94	456	8-70		34	731	-.12	24	42
41-10-0368	2758518	601300	4-68	2	240	13,750	5.00	688	14	9,170	5.06	464	3-72		25	579	.00	29	41
41-10-0368	2776035	585350	12-68	1	305	11,730	5.00	587	14	9,970	5.09	507	2-72		35	312	.11	26	31
41-10-9311	2602976	558172	10-63	7	302	14,351	4.87	699	8	11,100	4.87	541	2-72		44	621	-.03	28	42
41-14-9073	2643108	567839	10-58	6	305	15,291	5.22	798	18	10,240	4.89	501	2-71		36	857	.08	51	68
41-14-9073	2741385	595170	2-67	3	305	13,483	4.35	587	14	9,720	4.61	448	9-71		35	558	-.08	20	33
41-14-9073	2854833	610749	4-69	1	305	14,740	4.10	605	19	9,110	4.69	427	6-71		23	606	-.12	18	33
41-20-0067	2780734	573431	10-68	2	305	15,395	4.49	691	15	10,065	5.04	507	12-71		39	758	-.08	30	48
41-20-0067	2780749	573431	8-68	2	293	13,095	4.79	627	21	9,440	5.08	480	8-71		39	579	-.03	26	39
41-20-0067	2812864	573431	8-69	1	301	12,180	5.12	624	13	9,430	5.08	479	2-72		35	423	.02	23	32
41-25-0002	2588923	546137	10-64	5	305	11,578	5.66	655	21	10,070	5.22	526	5-71		44	433	.14	35	42
41-25-0002	2627877	602666	7-65	4	301	14,770	4.94	730	25	10,175	5.20	529	10-71		30	713	-.04	32	48
41-25-0002	2734965	584664	7-67	2	305	14,425	4.92	710	20	10,215	5.38	550	3-71		40	495	-.03	22	33

TABLE 4, JERSEY USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION, RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO,	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C D	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
41-25-0002	2812699	600211	10-69	1	305	13,960	5.44	760	19	11,510	5.33	613	12-71		35	368	,06	24	$ 31
41-25-0481	2654065	557569	12-65	1	305	12,680	4.09	518	9	8,800	4.99	439	12-71		32	676	-.16	18	35
41-28-0159	2752873	600211	12-66	4	305	13,007	4.95	644	15	10,390	5.01	521	11-71		42	489	.02	26	36
41-45-0004	2680721	596266	10-65	5	290	12,282	4.82	592	7	9,176	4.97	456	11-71		35	565	-.06	22	35
41-45-9147	2454725	530104	10-61	8	299	13,255	4.44	588	10	8,576	5.01	430	6-71		37	710	-.09	26	43
41-45-9147	2784098	573431	10-68	2	297	12,000	4.77	572	19	9,835	4.70	462	11-71		39	428	.01	22	31
41-45-9147	2800623	582400	8-68	2	305	13,090	4.21	551	18	9,125	4.89	446	10-71		39	711	-.16	20	38
41-45-9147	2800624	600211	3-69	2	305	13,070	4.38	573	10	9,665	4.77	461	3-72		39	510	-.03	22	33
41-45-9147	2853280	585350	8-69	1	298	12,620	5.16	651	21	9,430	4.85	457	6-71		35	417	.15	35	41
41-47-0171	2814076	604694	11-68	2	300	11,095	4.18	464	16	8,060	4.73	381	3-72		38	606	-.07	23	37
41-56-0078	2744081	563813	12-66	3	305	11,627	4.84	563	5	8,427	5.22	440	1-72		42	454	-.01	22	32
41-56-0343	2680099	572331	8-66	4	295	10,130	4.57	463	10	8,567	4.89	419	3-72		39	590	-.13	17	32
41-74-0048	2659861	564837	10-64	5	299	12,734	5.02	639	38	9,422	5.22	492	10-71		37	496	.00	25	36
41-74-0048	2685933	563813	10-65	4	299	13,115	4.58	601	6	9,950	5.07	504	3-72		43	491	-.05	20	31
41-74-0048	2830636	585350	10-69	1	305	12,040	5.66	681	35	9,170	5.38	493	11-71		35	391	.15	34	40
41-77-0213	2533166	588856	10-61	3	303	12,947	5.39	698	14	9,473	4.93	467	10-71		33	545	.08	35	45
41-79-0098	2650444	572331	2-66	4	302	11,465	4.81	551	20	9,252	5.20	481	6-71		39	685	-.13	21	38
41-79-0098	2712542	563813	2-67	3	300	12,570	5.13	645	19	9,813	5.18	508	1-71		42	418	.03	24	32
41-79-0098	2755389	593816	4-68	2	305	13,160	5.17	681	20	9,825	5.10	501	5-71		39	524	.00	26	37
41-79-0098	2766947	606442	8-68	2	305	13,400	5,47	733	13	9,580	5.00	479	7-71		29	540	.11	38	48
41-79-0098	2766950	606442	10-68	2	305	13,945	5.28	736	13	11,050	5.11	565	11-71		29	446	.07	29	37
41-79-0098	2808047	606442	11-69	1	305	15,350	4.81	739	11	10,880	5.06	550	11-71		23	499	.00	25	36
41-82-0160	2702802	600211	4-67	3	305	10,736	5.64	605	19	9,103	4.97	452	5-71		41	337	.12	28	33
41-86-0040	2699930	583969	12-65	4	305	12,020	4.93	592	16	8,945	5.14	460	12-71		35	496	-.06	19	31
42-03-0052	2699888	604929	9-66	4	300	12,602	4.98	628	19	9,217	5.25	484	9-71		35	459	-.01	22	32
42-03-0255	2817841	585350	9-69	1	291	12,610	4.96	625	12	9,160	4.90	449	9-71		35	435	.12	33	40
42-07-0106	2679254	585403	7-64	3	305	10,586	5.05	535	53	7,240	5.14	372	9-70		33	456	.00	23	33
42-07-0106	2719820	600512	2-67	2	305	10,660	5.26	561	33	7,585	4.93	374	6-71		29	442	.04	26	35
42-07-0106	2719824	600512	2-67	4	305	10,570	5.43	574	54	7,987	4.96	396	2-72		34	445	.08	30	38
42-07-0106	2732657	600512	7-67	4	305	10,887	5.30	577	35	8,155	4.90	400	3-72		34	469	.07	30	39
42-16-0012	2179065	537087	7-56	8	305	13,979	4.33	605	14	9,208	5.04	464	1-71		36	751	-.14	23	42
42-16-0012	2799317	604694	4-69	1	305	16,120	4.91	792	19	8,860	5.07	449	9-71		34	878	-.01	43	62
42-25-0065	2803337	593883	7-69	1	305	10,040	5.20	522	11	7,270	5.20	378	7-71		33	507	.09	34	43
42-33-0147	2537705	596941	6-63	7	305	14,544	4.86	707	10	9,893	5.11	506	3-72		36	683	-.03	31	46
42-33-0147	2540603	596941	6-63	6	305	12,235	5.33	652	11	8,988	5.13	461	6-71		36	463	.06	29	38
42-33-0147	2697344	599306	11-67	2	305	14,810	5.64	835	20	11,230	5.17	581	12-71		25	479	.10	34	42
42-33-0147	2705274	577289	7-66	4	305	12,505	5.61	702	8	10,403	5.04	524	4-72		35	373	.12	30	36
42-41-0029	2646026	588371	9-65	5	304	13,290	4.88	648	13	9,690	5.14	498	12-71		36	593	-.06	24	38
42-41-0029	2740939	588371	6-67	3	297	13,430	5.02	674	11	10,680	4.93	526	3-72		33	438	.00	22	31
42-49-0025	2807148	593883	5-69	1	305	10,690	4.99	533	12	9,590	4.83	463	4-71		33	395	.10	29	36
42-50-0022	2548599	567370	9-63	2	305	15,665	4.81	753	38	9,440	5.30	500	9-71		40	814	-.08	33	52
42-50-0022	2605973	597991	4-65	5	305	12,536	5.32	667	29	9,704	5.16	501	3-72		35	519	.03	29	4[illegible]
42-50-0022	2713584	601033	11-66	3	305	12,190	5.65	689	37	9,453	5.19	491	5-71		34	347	.09	26	32
42-50-0022	2732375	608160	11-67	2	305	13,410	4.88	654	41	9,590	5.17	496	11-71		29	467	-.01	22	32
42-50-0022	010434235	604694	10-69	1	305	11,760	5.38	633	53	9,830	5.03	494	3-72		34	475	.03	27	37
42-51-0014	2474893	583976	9-61	7	305	11,767	4.42	520	25	8,497	5.17	439	5-71		39	619	-.16	15	31
42-51-0014	2692435	603938	9-66	3	255	13,787	5.84	805	20	9,013	5.23	471	4-71		29	578	.14	48	60
42-51-0014	2821530	604694	1-69	1	305	14,140	4.89	691	28	9,690	4.98	483	3-71		34	668	-.01	32	46
42-51-0014	2821535	604694	3-69	1	302	10,410	5.74	598	58	8,960	5.03	451	7-71		34	432	.07	28	36
42-51-0014	2821618	593883	8-69	1	305	12,280	4.99	613	50	8,790	5.10	448	9-71		33	575	.08	36	47
42-51-0014	2823513	593883	8-69	1	305	13,120	4.74	622	50	8,790	5.10	448	9-71	8	33	641	.05	37	50
42-56-0019	2506173	561701	1-63	6	303	12,668	5.24	664	9	9,795	5.26	515	11-71		43	660	-.04	29	44
42-56-0019	2713033	561701	3-67	3	303	13,087	4.62	604	16	10,347	5.05	523	7-71		41	619	-.12	19	34
42-56-0019	2713035	561701	4-67	3	298	12,467	5.26	656	9	9,657	5.34	516	12-71		41	619	-.05	26	40
42-56-0019	2713036	561701	3-67	3	303	11,160	5.39	602	14	9,483	5.24	497	10-71		41	482	-.02	22	33
42-56-0019	2782731	589166	12-68	1	305	13,950	5.28	736	8	11,030	5.21	575	5-71		33	405	.04	24	32
42-56-0019	2782735	593883	2-69	1	305	13,280	5.63	747	20	10,620	5.26	559	6-71		33	525	.13	39	48
42-56-0019	2806387	593883	8-69	1	305	13,570	4.81	653	13	10,020	5.35	536	11-71		33	590	.04	33	45
42-60-0008	2687943	601883	11-65	4	305	11,482	5.02	576	9	9,892	5.12	506	6-71		38	506	-.01	24	35
42-60-0008	2707450	601883	8-66	3	305	11,180	5.42	606	11	9,556	5.11	488	9-71		37	499	.04	29	39
42-60-0008	2736301	601883	10-67	3	298	12,926	4.73	611	19	9,420	5.16	486	11-71		37	736	-.07	30	47
42-60-0008	2760511	601883	2-68	2	305	11,250	5.42	610	8	9,975	5.34	533	4-71		34	452	.02	24	33
42-60-0008	2801536	582400	3-69	1	305	13,150	5.06	666	16	10,490	4.92	516	3-71		35	535	-.05	22	34
42-60-0009	2475809	559151	3-62	7	287	15,263	4.00	611	24	9,839	4.91	483	10-71		39	939	-.26	20	45
42-60-0009	2600721	559151	12-64	5	305	13,964	4.81	671	35	10,234	5.03	515	10-71		39	702	-.10	25	42
42-60-0009	2669109	601883	9-65	5	305	13,352	4.79	639	41	10,374	5.04	523	1-72		39	716	-.05	31	47
42-60-0009	2738867	601883	7-67	3	305	11,306	5.47	618	42	10,186	5.04	513	11-71		37	443	.06	28	36
42-60-0009	2782427	601883	5-68	1	305	13,910	4.64	645	35	11,040	5.03	555	12-70		29	576	-.05	24	37
42-60-0009	2791195	601883	9-68	1	305	12,210	5.32	649	38	10,540	5.09	537	9-70		29	472	.02	25	35
42-60-0009	2791200	601883	9-68	2	305	13,225	4.49	594	30	10,835	5.00	542	3-72		34	586	-.08	21	35
42-60-0009	2791202	601883	11-68	2	305	15,535	4.49	697	39	10,735	4.98	535	12-71		34	854	-.09	33	53
42-60-0009	2791205	601883	11-68	2	302	12,575	4.77	600	43	9,975	5.03	502	9-71		34	600	-.04	26	40
42-60-0009	2817760	601883	9-69	1	305	10,930	5.67	620	50	9,500	4.94	469	10-71		29	443	.06	28	36
42-60-0009	2817765	601883	9-69	1	305	13,270	5.11	678	53	9,680	4.98	482	11-71		29	624	.01	32	45
42-60-0009	2817767	601883	10-69	1	305	11,810	5.14	607	50	9,500	4.94	469	10-71		29	516	.01	27	38
42-60-0011	2666304	601883	12-65	3	305	14,076	4.72	664	13	10,080	5.16	520	4-71		37	806	-.07	33	51
42-60-0011	2743553	600211	2-67	4	301	12,452	5.35	666	14	10,637	5.07	539	3-72		42	391	.08	27	34
42-60-0011	2806220	573431	8-68	2	305	12,560	5.37	675	24	10,405	5.13	534	1-72		39	433	.05	26	34
42-60-0011	2806224	601883	9-68	2	297	14,190	4.58	650	14	9,630	5.24	505	4-72		34	815	-.10	31	50
42-60-0011	2806225	601883	9-68	2	302	13,390	4.93	660	25	10,330	5.15	532	11-71		34	656	-.04	29	44
42-60-0011	2806226	601883	9-68	2	298	13,855	4.79	664	22	10,330	5.14	531	12-71		34	707	-.05	30	46
42-60-0011	2806228	601883	12-68	2	305	12,350	5.14	635	16	10,660	5.09	543	3-72		34	506	.01	26	37
42-60-0011	2806229	601883	1-69	1	305	12,300	5.10	627	10	10,810	5.22	564	3-71		29	459	-.02	21	31
42-60-0011	2851363	601883	11-69	1	305	13,030	4.96	646	23	10,880	5.10	555	1-72		29	515	-.02	24	35
42-70-0021	2782081	599928	10-67	2	305	11,715	5.20	609	18	9,210	5.22	481	12-71		30	403	.04	24	32

TABLE 4. JERSEY USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HEROMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C O	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
42-79-0004	2608691	600823	9-65	4	305	13,848	4.04	559	9	8,803	5.26	463	10-71		36	775	-.27	12	$ 33
42-80-C017	2713270	602384	1-67	1	305	13,200	5.02	662	12	8,020	4.91	394	4-71		23	537	.00	27	38
42-80-0017	2727115	602384	5-67	1	305	10,830	5.01	543	8	6,580	4.83	318	4-72		23	440	.01	23	32
42-80-0017	2778585	602384	9-68	1	305	12,660	4.90	620	12	8,020	4.91	394	4-71		23	488	.00	24	34
42-80-0017	2782263	602384	9-68	2	304	12,510	4.96	621	10	7,300	4.88	356	4-72		29	681	.00	34	49
42-85-C274	2808886	604694	10-69	1	305	12,370	4.77	590	10	8,840	5.12	453	10-71		34	591	-.02	27	40
42-85-C274	2817232	583958	2-70	1	305	12,240	5.23	640	10	8,790	5.28	464	1-72		35	520	-.02	24	35
42-86-C011	2718098	602658	2-67	3	305	12,716	4.51	574	61	9,633	5.00	482	8-71		37	846	-.18	24	45
42-86-0011	2744957	603166	8-67	3	300	12,186	5.11	623	27	8,686	5.39	468	11-71		34	536	-.05	22	34
42-86-0011	2813663	604694	7-69	1	305	10,090	6.06	611	33	8,790	5.53	486	9-71		34	419	.05	26	34
42-86-0013	2819695	573431	11-68	2	275	11,840	5.88	696	17	7,995	5.32	425	12-71	B	39	583	.09	38	49
42-91-0111	2581188	597649	7-64	6	304	10,520	5.49	578	22	7,535	5.31	400	11-71		35	403	.07	27	34
42-91-C111	2769418	607040	9-68	2	305	11,630	5.43	632	16	7,955	5.36	426	9-71		29	456	.04	27	36
42-96-0046	2815061	585350	8-69	1	305	12,080	4.96	599	6	8,230	5.57	458	9-71		35	458	.08	31	39
43-04-C041	2658896	585918	11-65	3	305	13,130	4.78	627	25	9,313	5.23	487	4-71		41	539	-.05	22	34
43-04-C041	2719110	598547	4-67	3	305	11,803	5.05	596	27	8,483	5.13	435	9-71		34	533	.00	27	38
43-04-0041	2797095	612199	3-69	1	305	20,550	4.27	877	9	9,110	4.48	408	3-72		19	1,086	-.10	44	69
43-04-0046	2636931	581394	7-65	4	305	13,940	4.67	651	49	10,487	5.09	534	9-71		36	687	-.13	21	38
43-04-0046	2704743	606095	9-66	3	305	13,116	5.44	714	45	10,610	5.00	531	10-71		34	492	.12	36	44
43-04-0046	2723752	606095	4-67	3	305	12,163	5.39	656	46	9,373	5.05	473	8-71		34	513	.11	36	45
43-04-0046	2723753	606095	5-67	3	305	11,793	5.52	651	40	9,503	5.05	480	7-71		34	448	.12	34	41
43-04-0046	2764895	598547	2-68	2	305	11,970	4.90	586	53	9,115	5.04	459	9-71		31	443	-.01	21	31
43-04-0046	2764897	598547	2-68	2	305	12,600	5.13	646	50	8,790	5.07	446	10-71		31	551	.02	29	40
43-04-0046	2823288	604694	1-69	1	305	11,660	4.89	570	52	7,880	5.05	398	7-71		34	603	-.01	29	42
43-05-0004	2783448	604694	10-68	1	305	11,300	5.43	614	30	8,730	5.19	453	11-70		34	516	.03	29	39
43-05-0004	2843203	585350	1-70	1	305	12,340	5.41	668	32	9,910	5.18	513	1-72		35	363	.15	32	37
43-14-0051	2799879	604694	9-69	1	294	13,100	4.53	593	19	8,680	4.95	430	1-72		34	658	-.04	29	44
43-16-0009	2566982	593629	3-64	5	305	14,470	4.56	660	26	9,796	4.81	471	8-71		35	770	-.07	31	49
43-16-0009	2720744	560800	8-67	3	305	12,717	4.85	617	21	9,703	4.81	467	1-72		42	560	-.02	26	38
43-16-0009	2731840	560800	10-67	3	305	13,837	4.17	577	15	10,087	4.79	483	4-72		42	650	-.13	20	36
43-35-C121	2560070	550331	2-62	6	304	13,017	4.55	592	6	8,617	5.14	443	3-72		44	521	-.03	23	35
43-40-0003	2333638	582537	10-58	11	300	11,661	5.40	630	20	8,055	5.18	417	7-71		35	581	.03	32	44
43-44-0077	2767206	602430	2-68	2	305	11,980	5.18	621	13	8,915	5.18	462	7-71		31	451	.03	25	34
43-44-0077	2808795	602430	2-69	1	305	14,730	5.19	765	17	8,780	5.17	454	6-71		26	517	.03	34	47
43-46-0029	2396007	578776	9-60	8	305	13,186	4.31	568	19	9,995	5.06	506	3-72		38	703	-.20	15	34
43-46-0029	2559059	567370	12-63	7	305	13,950	4.36	608	20	10,917	4.94	539	3-72		44	560	-.12	17	32
43-46-0029	2637272	563805	10-65	4	299	12,120	4.86	589	22	10,828	4.98	539	5-71		42	429	.01	22	31
43-46-0029	2730631	591149	12-67	3	305	14,923	5.33	795	21	10,910	4.89	534	3-72		42	397	.10	29	36
43-48-0061	2367655	568408	1-60	6	305	12,503	4.71	589	27	8,275	5.05	418	3-71		35	741	-.06	31	48
43-48-0061	2757363	604125	4-68	2	305	12,245	4.38	536	56	8,505	4.79	407	4-71		29	544	-.08	19	32
43-48-0061	2801037	604125	11-68	2	303	13,195	4.33	572	46	8,625	4.81	415	3-72		29	646	-.10	22	36
43-58-0044	2695981	591747	12-66	2	305	12,050	5.24	632	20	7,270	5.39	392	9-71		30	548	.01	28	40
43-97-0038	2365054	577828	11-59	7	305	12,334	4.99	616	44	9,763	5.07	495	5-71		35	526	-.02	24	36
43-97-0049	2355830	565987	1-64	6	300	13,133	5.24	688	5	10,450	5.00	523	1-72		43	327	.11	27	32
46-23-0028	2476745	567370	11-61	7	300	11,360	5.27	599	20	7,807	5.09	397	1-72		44	607	.02	32	45
46-23-0028	2821874	585350	7-69	1	305	11,900	4.97	592	19	8,320	5.01	417	1-72		35	438	.12	33	40
47-34-0018	2346251	567481	11-59	9	296	11,620	5.09	592	18	9,014	5.14	463	2-71		38	427	.01	22	31
47-34-0018	2721213	557569	12-66	3	305	11,353	4.84	549	18	9,333	5.00	467	1-72		39	560	-.08	21	35
47-34-0018	2729829	599529	9-67	3	304	11,220	5.08	570	24	8,533	5.02	428	10-71		34	396	.07	26	33
47-34-0018	2729834	599529	10-67	2	294	12,365	5.21	644	18	8,415	5.23	440	7-71		31	506	.07	32	42
47-34-0018	2804535	585350	10-69	1	305	11,840	5.19	614	25	8,310	5.11	425	11-71		35	434	.13	34	41
47-34-0018	2843474	585350	12-69	1	305	12,130	5.06	614	19	8,620	4.94	426	12-71		35	435	.13	34	41
47-34-0018	2843475	585350	2-70	1	305	11,560	5.58	645	17	9,190	5.02	461	1-72		35	352	.17	34	39
47-55-0081	2543601	578776	1-64	4	299	13,088	4.36	570	34	9,433	5.10	481	1-71		37	740	-.19	18	37
47-55-0081	2543607	576776	3-64	5	303	11,018	4.79	528	26	8,825	4.78	422	5-71		38	542	-.07	20	33
47-55-0081	2609787	578776	9-65	4	304	10,623	5.03	534	34	8,420	4.86	409	6-71		37	526	-.04	22	34
48-03-0008	2566824	592845	2-64	6	286	10,865	5.80	630	10	8,593	5.55	477	3-72	B	35	334	.10	26	31
48-03-0008	2568470	558130	12-63	5	303	12,222	5.69	696	13	9,258	5.50	509	4-71		35	389	.10	29	35
48-03-0008	2630734	592845	8-64	6	283	12,035	5.36	645	8	9,176	5.45	500	2-72	B	35	431	.04	25	34
48-03-0008	2630743	592845	4-65	4	291	11,377	4.98	567	13	7,942	5.53	439	10-71		34	478	-.03	21	32
48-19-0016	2712396	604160	12-66	2	305	13,890	5.36	745	16	10,445	4.99	521	11-71		31	430	.08	29	37
48-19-0016	2718944	604160	1-67	3	305	13,870	4.38	607	17	9,630	4.90	472	7-71		34	578	-.09	20	34
48-19-0016	2799850	604694	2-69	2	305	15,265	4.42	674	19	11,515	5.04	580	2-72		38	717	-.10	26	43
48-19-0016	2799851	604694	3-69	1	305	14,700	4.82	709	22	10,680	5.25	561	12-71		34	643	-.04	28	42
48-19-0016	2799853	604694	4-69	1	305	13,300	4.82	641	19	11,620	5.19	603	1-72		34	470	-.04	20	31
48-19-0016	2799854	604694	4-69	1	305	14,440	4.76	688	19	11,620	5.19	603	1-72		34	558	-.04	24	37
48-19-0016	2799857	604694	5-69	1	305	13,910	5.27	733	19	11,620	5.19	603	1-72		34	517	.01	27	38
48-19-0016	2806827	604694	9-69	1	305	17,990	4.19	754	11	11,780	5.11	602	3-72		34	820	-.12	29	49
48-19-0016	2806830	604694	10-69	1	305	14,150	5.09	720	15	11,900	5.11	608	2-72		34	516	.00	26	37
48-19-0016	2806831	604694	10-69	1	305	14,970	4.79	717	11	11,780	5.11	602	3-72		34	587	-.03	26	39
48-19-0016	2806832	604694	10-69	1	305	13,920	5.12	713	15	11,900	5.11	608	2-72		34	498	.01	26	36
48-19-0016	2840522	604694	1-70	1	305	15,900	5.04	802	11	11,780	5.11	602	3-72		34	659	.00	33	47
48-20-0050	2605963	586354	4-65	4	304	12,255	4.36	534	13	7,515	4.88	367	1-71		30	695	-.11	24	41
48-20-0050	2680313	600437	4-66	4	294	12,010	4.66	560	11	7,530	4.75	358	10-71		30	656	-.03	30	44
48-20-0050	2744324	575184	11-67	3	273	14,050	4.29	603	44	9,473	5.00	474	2-72		42	602	-.15	15	31
48-26-0046	2508889	588142	6-62	7	305	12,877	5.00	644	16	9,417	5.15	485	7-71		36	589	-.01	28	41
48-26-0046	2562763	588142	7-63	5	305	12,480	5.09	635	12	9,816	5.17	507	6-71		36	477	.00	24	34
48-26-0046	2622518	584726	5-65	4	305	14,465	5.01	724	25	10,528	5.12	539	1-71		34	620	-.01	30	43
48-26-0046	2622519	598635	5-65	4	305	12,867	5.07	653	23	10,310	5.13	529	4-71		34	466	.00	23	33
48-26-0046	2790615	603199	7-67	3	305	11,520	5.52	636	15	9,430	5.04	475	2-72		33	372	.09	27	33
48-26-0046	2807515	588142	1-68	2	305	13,215	5.01	662	15	9,655	5.18	500	6-71		30	502	-.01	24	35
48-44-C148	2818185	583958	3-69	1	305	14,280	4.39	627	17	9,370	4.78	448	5-71		35	634	-.08	24	39
48-86-0027	2643630	596262	1-66	4	298	12,152	5.42	659	13	10,167	5.09	517	9-71		35	347	.08	25	31
48-86-0027	2778958	604694	1-69	2	293	13,225	5.04	666	17	9,745	5.31	517	1-72		38	671	-.01	32	47
48-86-0027	2778961	604694	11-68	1	305	14,860	4.41	656	15	10,840	5.30	574	1-71		34	644	-.09	23	38

TABLE 4. JERSEY USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C O	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
48-86-0027	2811185	604694	9-69	1	305	12,350	4.71	582	21	8,740	5.50	481	11-71		34	596	-.06	24	$ 38
48-86-0027	2811186	604694	9-69	1	305	10,320	6.04	623	7	9,040	5.07	458	7-71		34	419	.08	29	36
48-86-0027	2811189	604694	10-69	1	305	10,060	5.36	539	14	8,860	5.33	472	8-71		34	412	.02	22	31
48-86-0027	2811190	604694	10-69	1	305	11,170	5.09	569	14	8,860	5.33	472	8-71		34	497	-.01	24	35
48-86-0027	2811193	596262	11-69	1	305	14,360	4.53	651	12	9,380	5.25	492	3-72		26	496	-.06	19	31
48-86-0045	2812328	585350	1-70	1	305	13,150	5.29	695	19	10,180	5.15	524	1-72		35	406	.13	33	39
48-91-0078	2727988	597332	11-67	2	179	12,675	6.21	787	12	8,855	5.21	461	4-71	B	31	463	.25	47	53
48-96-0043	2685057	602843	9-66	4	249	12,328	4.68	577	30	8,338	4.98	415	11-71	B	33	668	-.07	26	42
48-96-0043	2760565	602843	2-68	2	192	12,480	4.54	567	26	8,250	4.97	410	11-71	B	29	607	-.08	22	36
50-10-0099	2668925	563805	12-64	4	290	12,188	4.61	562	17	7,793	5.13	400	3-71	B	42	784	-.04	35	52
50-20-0028	2446397	584458	4-61	8	298	11,666	4.68	546	18	8,654	4.90	424	3-71	B	44	618	-.08	23	38
51-03-9068	2638796	563813	7-65	5	303	11,364	5.35	608	14	8,672	5.29	459	2-72		44	431	.06	27	35
51-04-0296	2734757	606735	7-67	3	305	10,416	5.43	566	16	7,896	5.14	406	1-72		32	379	.07	26	33
51-04-0296	2780907	606735	4-68	2	305	10,810	5.79	626	21	7,820	5.10	399	11-71		29	400	.12	31	38
51-05-0010	2733651	583333	2-67	4	301	12,365	4.97	614	9	8,515	5.10	434	1-72		42	593	-.08	22	36
51-05-0017	2743457	571291	10-64	4	305	10,895	5.13	559	21	7,498	5.16	387	12-71		43	504	.04	29	39
51-13-0200	2587226	563805	1-65	2	305	11,480	5.03	578	22	8,895	4.99	444	7-71		38	525	.04	30	41
51-13-0200	2746567	583958	12-67	2	304	11,715	5.53	648	10	9,735	5.38	524	1-71		40	454	.00	23	33
51-13-0200	2758469	563805	4-67	2	305	10,795	5.34	576	12	9,240	5.22	482	5-71		38	421	.05	26	34
51-17-0003	2806677	563805	10-69	1	305	10,020	5.27	528	22	7,930	5.64	447	11-71		34	427	.02	23	32
51-17-0004	2743836	603365	9-66	4	301	11,230	5.79	650	24	8,450	5.53	467	11-71		30	411	.08	28	35
51-17-0144	2710575	601076	2-67	2	305	12,115	6.20	751	11	9,360	5.17	484	2-71		25	351	.17	34	39
51-17-0144	2752316	602754	1-68	3	302	13,496	4.85	655	12	9,543	5.39	514	12-71		39	782	-.06	33	51
51-17-0212	2704239	593210	1-67	4	293	11,202	5.29	593	15	8,985	5.08	456	2-72		37	419	.02	23	32
51-17-0212	2874775	604694	9-69	1	305	10,090	5.60	565	16	8,950	5.12	458	1-72		34	408	.05	25	33
51-17-0212	2874784	604694	11-69	1	292	10,430	5.27	550	16	8,950	5.12	458	1-72		34	434	.01	23	32
52-07-0034	2481053	585333	2-62	7	302	12,123	5.39	653	34	9,219	5.26	485	5-71		35	519	.03	29	40
52-07-0034	2615975	534755	3-63	7	305	10,910	5.46	596	36	9,010	5.26	474	8-71		42	460	.01	24	34
52-07-0034	2735005	584458	5-67	2	305	15,880	4.61	732	34	10,190	5.25	535	11-71		40	840	-.13	29	49
52-07-0044	2693270	602658	11-66	3	305	13,586	4.52	614	70	9,523	5.01	477	9-71		37	969	-.18	30	54
52-07-0044	2755246	584458	12-67	3	305	12,293	5.31	653	26	10,380	5.14	534	2-72		42	478	-.01	23	33
52-07-0044	2770201	563805	12-68	2	253	14,960	4.79	716	32	11,335	5.17	586	1-72		38	659	-.02	31	45
52-15-0008	2724104	584458	7-67	2	305	12,400	4.83	599	22	9,365	4.92	461	6-71		40	561	-.06	22	35
52-15-0008	2724108	584458	9-67	2	301	12,105	5.20	629	24	9,830	5.09	500	1-71		40	488	-.02	22	33
52-33-0019	2393243	550331	9-60	5	296	14,128	5.41	765	102	9,686	5.12	496	6-71		44	541	.12	39	46
52-33-0019	2435842	589136	6-61	6	305	12,428	5.23	650	35	9,438	5.08	479	8-71		41	606	.03	33	45
52-33-0019	2511768	596011	8-62	6	295	12,595	4.95	623	15	9,327	4.96	463	4-71		36	505	.01	26	37
52-33-0019	2533661	592556	8-63	5	305	12,160	5.02	610	52	9,704	5.06	491	11-71		36	523	.00	26	37
52-33-0019	2581794	600367	12-64	4	305	15,380	4.73	727	35	10,548	4.98	525	8-71		30	755	-.06	32	49
52-33-0019	2597193	592556	12-64	5	305	11,952	5.61	670	38	10,072	5.00	504	3-72		36	443	.11	33	40
52-68-0020	2665950	575184	10-65	4	305	13,950	5.02	700	50	10,533	5.21	549	9-71		44	509	-.05	20	32
52-68-0020	2696622	605257	1-68	2	305	15,695	5.08	797	28	10,565	5.25	555	11-71		30	697	.03	38	52
52-68-0020	2697247	605257	9-68	2	305	14,360	5.40	775	31	10,605	5.21	553	10-71		30	534	.09	35	45
52-68-0020	2725040	605257	8-67	3	305	15,006	4.71	707	23	11,276	5.29	597	3-72		33	595	-.06	24	36
52-68-0020	2763654	563805	10-68	2	305	12,485	5.37	670	30	10,990	5.40	593	12-71		38	433	.04	25	34
52-68-6007	2403351	581840	7-60	7	305	11,740	5.26	618	31	8,307	5.19	431	8-70		40	475	.01	25	35
52-75-0027	2658908	591297	1-66	5	305	11,788	5.08	599	21	9,828	5.04	495	3-72		43	370	.06	24	31
52-75-0027	2690809	591297	7-66	3	305	13,560	5.15	698	15	9,690	5.08	492	4-71		41	569	.07	35	46
52-75-0027	2690812	595252	7-66	4	305	13,670	4.67	639	22	9,163	5.06	464	12-71		41	673	-.10	24	40
52-75-0027	2735415	591297	7-67	3	305	12,183	4.97	606	17	9,620	5.05	486	11-71		41	413	.04	24	32
52-75-0027	2735422	584458	10-67	3	305	12,497	5.27	658	27	10,110	5.06	512	3-72		42	530	-.01	25	37
52-81-0012	2599847	594673	12-64	4	305	12,845	5.06	650	75	9,583	5.18	496	3-71		35	438	.00	22	31
52-81-0012	2718080	602658	1-67	3	305	14,286	4.16	594	27	9,790	5.21	510	8-71		37	1,027	-.27	24	51
52-81-0012	2722177	584458	9-67	3	299	13,600	4.60	625	16	10,347	5.06	524	12-71		42	634	-.12	20	36
52-81-0012	2722184	584458	7-67	2	305	13,365	4.66	646	16	9,580	5.21	499	4-71		40	691	-.11	24	41
52-81-0012	2764254	584458	5-68	2	302	12,895	4.57	589	27	9,755	5.21	508	6-71		40	576	-.12	17	31
52-81-0012	2772570	584458	6-68	2	299	14,750	4.26	628	27	10,200	5.15	525	9-71		40	724	-.17	19	33
54-13-0008	2685660	580836	9-66	3	305	13,840	5.01	694	8	10,613	5.11	542	2-72		41	454	.02	25	34
54-13-0020	2503227	585855	11-62	6	291	12,288	4.75	584	7	8,338	5.00	417	1-71		35	551	-.02	25	37
54-13-0026	2326142	565181	11-58	6	302	10,223	5.95	608	17	8,462	5.42	459	9-71		35	326	.12	28	33
54-13-0026	2365592	565181	7-59	5	297	12,304	5.22	642	6	8,566	5.52	473	5-71		35	626	.00	31	44
54-17-0014	2616997	583333	11-65	5	299	14,548	4.48	652	17	10,606	5.10	541	11-71		43	654	-.18	15	32
54-27-0023	2593484	599872	4-65	4	272	12,478	4.94	617	20	9,190	5.14	472	1-71	8	33	546	-.04	23	35
54-46-0001	2427301	535925	2-58	10	300	13,963	4.46	623	13	9,493	5.04	478	3-71		36	658	-.11	22	36
54-46-0001	2642844	603192	7-65	4	305	14,190	5.91	839	21	11,245	5.03	566	4-71		36	368	.21	33	42
54-46-0001	2660303	603192	11-65	4	305	18,062	4.55	821	22	11,260	4.97	560	5-71		36	908	-.09	36	57
54-46-0001	2677690	563805	8-66	3	305	13,230	4.69	620	23	10,213	4.94	505	12-71		41	619	-.02	29	43
55-10-6004	2551281	497574	11-63	2	293	13,025	4.88	636	50	9,945	5.00	497	8-71		40	634	-.03	29	43
55-10-6004	2693955	584259	9-66	4	304	13,035	4.86	634	58	9,170	5.07	465	7-71		36	557	-.01	27	39
55-10-6004	2724697	595030	5-67	3	297	13,943	4.84	675	66	10,180	4.94	503	5-71		35	527	.02	28	39
55-10-6004	2726928	603548	4-67	4	300	14,875	4.57	680	55	10,080	4.98	502	2-72		35	754	-.09	29	47
55-10-6004	2728412	576127	8-67	3	298	11,560	5.73	662	32	9,560	5.12	489	10-71		41	335	.14	30	35
55-10-6004	2793056	593883	1-69	1	305	11,220	4.92	552	87	10,160	4.96	504	5-71		33	396	.08	27	34
55-10-6009	2537629	497574	7-63	5	302	11,226	4.66	523	176	8,974	4.95	444	1-71		44	582	-.06	23	36
55-10-6009	2610161	598223	5-65	5	305	12,508	4.52	565	177	9,268	5.02	465	11-71		36	541	-.09	18	31
55-10-6009	2679541	600590	5-66	4	302	11,955	5.02	600	163	9,118	5.00	456	1-72		35	392	.05	24	32
55-10-6009	2716296	603548	12-66	3	305	13,373	4.54	607	241	10,037	4.89	491	4-71		33	513	-.07	19	31
55-10-6009	2724718	584259	6-67	3	295	13,043	4.65	606	203	9,657	4.91	474	4-71		34	467	-.02	21	31
55-10-6009	2724732	584259	7-67	3	291	12,413	5.18	643	181	9,373	4.91	460	5-71		34	418	.07	28	36
55-10-6009	2731129	600590	6-67	3	292	11,693	5.52	645	159	9,287	5.02	466	9-71		33	310	.13	28	32
55-10-6009	2748633	584259	10-67	2	305	13,660	5.03	687	208	10,040	4.82	484	4-71		32	446	.06	28	36
55-10-6009	2793055	593883	1-69	1	305	13,430	5.14	690	273	9,760	4.81	469	5-71		33	597	.12	41	52
55-10-6009	2793062	593883	1-69	2	296	12,110	4.76	577	193	9,840	4.79	471	4-72		38	533	.07	33	43
55-10-6009	2794658	593883	2-69	1	305	12,020	4.93	592	273	9,760	4.81	469	5-71		33	467	.09	33	42
55-10-6009	2794664	593883	2-69	1	305	11,560	4.47	517	280	10,020	4.81	482	4-71		33	433	.05	26	34

TABLE 4. JERSEY USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVO MO-YR	T C D	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
55-10-6009	2794667	593883	2-69	1	305	11,530	4.47	515	273	9,760	4.81	469	5-71		33	449	.05	27	$ 36
55-22-0004	2525471	541866	5-63	6	305	13,190	5.48	723	59	10,390	4.92	511	1-71		44	399	.14	33	39
55-29-0043	2712704	602857	12-66	3	305	13,227	4.14	548	62	9,117	4.58	418	5-71		29	585	-.11	18	32
55-29-0043	2713160	571382	6-66	3	305	13,037	4.10	535	72	9,700	4.73	459	3-71		42	848	-.25	17	40
55-29-0043	2806600	583958	10-69	1	305	12,980	4.48	581	100	9,580	4.97	476	12-71		35	522	-.08	18	31
55-29-0043	2847412	607857	3-69	2	269	14,295	5.13	733	46	10,070	5.17	521	2-72		29	562	.00	28	40
55-29-0043	2850048	611085	8-69	1	305	11,540	4.82	556	110	8,220	4.82	396	8-71		23	458	-.01	22	32
55-29-0043	2859034	611085	11-69	1	305	13,180	4.67	616	96	9,480	4.97	471	12-71		23	504	-.04	21	32
55-35-0036	2833658	597564	5-70	1	305	13,610	5.25	714	20	10,090	4.65	469	2-72		26	409	.05	25	33
55-35-0046	2537305	560800	8-63	4	303	11,873	4.98	591	5	8,810	5.15	454	2-71		43	575	-.04	25	38
55-44-0037	2758694	576127	7-67	3	296	11,993	5.56	667	29	9,257	5.16	478	11-71		41	418	.12	32	39
55-48-0042	2493373	593839	10-60	9	302	12,057	5.60	675	20	10,504	4.86	511	12-71		36	359	.13	30	35
55-48-0042	2768944	608387	11-68	2	305	15,980	4.32	690	20	10,940	4.70	514	10-71		25	660	-.10	23	39
55-48-0042	2794152	611085	7-69	1	305	15,430	4.35	671	23	11,480	4.42	507	9-71		23	544	-.04	23	35
55-48-0042	2794154	611085	8-69	1	305	16,190	4.30	696	23	11,480	4.42	507	9-71		23	613	-.06	25	39
55-59-0015	2549485	595331	9-63	5	305	13,010	4.93	642	25	8,186	5.12	419	3-71		32	749	-.02	35	51
55-59-0019	2744125	589874	8-67	3	295	12,633	5.33	673	65	9,657	4.99	482	10-71		32	394	.07	26	33
55-59-0019	2794985	585350	1-69	1	305	10,590	5.46	578	47	8,500	5.02	427	7-71		35	326	.16	31	35
55-59-0019	2816763	585350	9-69	1	305	12,070	5.05	610	27	10,440	4.99	521	1-72		35	305	.12	27	31
55-61-0010	2503903	534755	1-63	6	305	13,555	4.71	639	45	9,055	4.99	452	10-71		42	809	-.07	33	52
55-61-0010	2563873	594897	10-63	7	297	16,218	3.86	626	43	9,022	5.08	458	12-71		39	1,039	-.28	23	50
55-61-0010	2683053	562315	7-66	4	305	12,605	5.13	647	40	9,608	4.94	475	3-72		43	421	.03	24	32
55-61-0010	2705683	584458	12-66	3	301	11,220	5.02	563	69	8,887	5.07	451	10-71		42	510	-.05	21	33
55-61-0010	2735433	584458	11-67	2	305	12,465	4.96	618	76	9,165	5.04	462	8-71		40	586	-.05	24	37
55-61-0010	2735438	584458	12-67	2	302	13,590	4.86	661	79	9,455	5.06	478	10-71		40	674	-.07	27	43
55-61-0010	2735440	584458	11-67	2	300	11,870	4.80	570	76	9,165	5.04	462	8-71		40	525	-.07	19	31
55-61-0010	2735447	584458	9-67	3	305	12,410	4.79	594	31	9,983	4.92	491	4-72		42	534	-.07	20	33
55-61-0010	2735449	584458	12-67	3	304	12,897	4.51	582	53	9,357	5.06	473	12-71		42	656	-.12	21	37
55-79-0072	2821967	604694	1-70	1	290	10,940	5.18	567	31	9,080	5.15	468	12-71		34	464	.01	24	34
55-79-0072	2827159	583958	9-68	1	305	13,220	4.84	640	10	9,220	4.83	445	3-72		35	564	-.03	25	38
55-83-0021	2614894	564125	10-64	5	300	12,172	4.92	599	13	8,702	4.99	434	1-72		44	500	.00	25	36
55-83-0021	2665605	589634	1-66	4	305	10,205	5.03	513	21	7,535	4.92	371	8-71		35	489	-.02	22	33
55-83-6035	2505920	583109	9-62	5	297	10,722	4.75	509	23	8,150	4.86	396	1-71		36	440	.01	23	32
55-83-6035	2573485	592198	9-64	5	298	11,146	4.90	546	39	7,938	5.00	397	11-71		35	529	-.04	22	34
55-83-6035	2733362	601051	3-67	3	305	14,017	5.15	722	14	11,357	4.83	549	11-71		29	410	.06	26	34
55-91-0046	2712292	597210	3-67	3	298	13,040	5.56	725	28	8,983	5.59	502	6-71		32	505	.05	30	40
55-91-0046	2757440	594039	5-68	2	305	11,870	6.01	713	45	8,980	5.51	495	8-71		29	399	.12	31	38
55-91-0046	2780521	583958	8-68	2	301	11,420	5.85	668	53	9,740	5.57	543	10-71		40	423	.02	23	32
55-91-0046	2780522	582400	8-68	2	305	12,865	5.45	701	52	9,910	5.60	555	10-71		39	615	-.06	25	39
55-91-0046	2780523	582400	8-68	2	305	14,250	5.58	795	42	10,490	5.66	594	12-71		39	704	-.03	32	46
55-91-0046	2780524	560800	9-68	2	305	13,540	5.58	755	44	9,970	5.60	558	2-72		40	582	.01	30	42
55-91-0046	2780528	583958	1-69	2	305	13,250	5.71	756	30	10,780	5.71	615	2-72		40	514	.00	26	37
55-91-0046	2804378	578382	5-69	1	305	14,850	4.94	733	27	9,940	5.75	572	5-71		35	702	-.15	20	38
55-91-0046	2804391	583958	11-69	1	305	14,960	5.79	866	47	10,560	5.59	590	11-71		35	605	.02	32	45
55-91-0046	2804392	497574	12-69	1	305	13,020	6.10	794	51	11,170	5.54	619	12-71		35	488	.06	30	39
55-91-0046	2827132	582400	3-70	1	305	14,570	5.22	761	24	11,200	5.61	628	3-72		35	595	-.09	21	35
55-91-0046	2829646	583958	11-69	1	305	14,770	5.02	742	43	11,010	5.58	614	12-71		35	560	-.07	21	34
55-91-6004	2772837	585350	10-68	1	305	12,410	5.47	679	21	10,610	5.01	532	1-71		35	320	.17	32	36
56-16-0018	2628027	600813	11-65	5	292	11,448	5.74	657	27	8,748	5.14	450	12-71		36	336	.15	31	36
56-16-0018	2638451	601501	7-65	4	301	13,130	4.79	629	8	8,928	4.91	438	6-71		30	535	-.03	29	43
56-24-0030	2458512	587966	11-61	2	305	13,555	5.04	683	46	8,665	5.01	434	11-71		25	612	.01	31	44
56-31-0004	2688921	598437	8-66	3	301	14,683	4.73	695	24	10,263	4.77	490	9-71		33	572	-.03	26	39
56-31-0004	2872047	602658	10-69	1	305	15,490	3.65	566	50	10,490	4.45	467	10-71		29	927	-.24	22	46
56-31-0008	2366143	518988	9-59	4	290	16,548	4.50	745	14	10,693	5.11	546	8-71		43	619	-.09	22	37
56-31-0008	2794344	595552	9-67	1	305	15,770	5.33	840	13	11,440	5.40	618	1-72		24	438	.00	22	31
56-36-0001	2460330	580137	12-61	8	301	12,692	5.31	674	23	9,690	5.35	518	8-71		36	480	.03	27	37
56-36-0001	2667572	580137	8-64	5	305	12,482	5.36	669	31	10,072	5.38	542	7-71		36	398	.03	23	31
56-36-0001	2691092	600948	6-66	3	305	13,816	5.31	733	43	11,050	5.42	599	2-71		32	430	.01	22	31
56-36-0023	2364360	571160	9-59	10	304	15,725	4.43	697	131	11,110	5.18	575	11-71		38	535	-.15	17	33
56-36-0023	2364365	508078	9-59	9	295	13,011	5.29	688	115	11,039	5.13	566	9-71		43	417	.08	28	36
56-36-0023	2380278	578330	12-59	8	305	16,191	5.36	868	121	11,060	5.16	571	11-70		41	678	.08	42	55
56-36-0023	2519795	591385	8-62	7	303	15,837	4.99	791	83	11,736	5.11	600	3-71		35	595	-.02	28	41
56-36-0023	2523069	563805	1-63	7	304	14,426	5.26	759	124	11,479	5.15	591	8-71		43	662	.05	38	51
56-36-0023	2525121	531342	5-63	7	304	14,379	5.08	731	152	10,989	5.16	567	9-71		43	425	.02	23	32
56-36-0023	2535060	595442	8-63	5	303	14,358	5.06	726	117	11,662	5.13	598	2-71		33	460	-.01	22	32
56-36-0023	2545198	575184	9-63	6	305	16,242	4.73	768	100	12,103	5.14	622	3-72		44	641	-.11	21	37
56-36-0023	2545201	575184	10-63	6	305	17,323	5.06	876	122	11,645	5.13	597	10-71		44	834	-.04	38	56
56-36-0023	2545202	563805	10-63	6	303	12,913	5.23	675	111	11,392	5.09	580	5-71		43	471	.06	29	38
56-36-0023	2545216	563805	11-63	7	303	13,081	5.31	694	112	11,899	5.14	612	3-72		43	433	.06	27	35
56-36-0023	2567142	563805	1-64	5	305	12,782	5.34	682	157	10,508	5.17	543	9-71		43	560	.06	34	45
56-36-0023	2593785	598467	11-64	5	301	13,458	5.05	680	151	10,892	5.13	559	7-71		36	463	-.01	22	32
56-36-0023	2616403	596957	8-65	5	305	14,166	5.02	711	137	11,260	5.18	583	12-71		35	511	-.03	23	34
56-36-0023	2616413	578330	8-65	5	303	14,730	4.92	725	130	11,160	5.17	577	11-71		41	466	-.01	22	32
56-36-0023	2616419	596957	9-65	5	305	17,018	4.91	835	127	11,356	5.16	586	2-72		35	929	-.05	41	62
56-36-0023	2655840	596957	8-65	2	304	16,830	5.29	890	166	12,520	5.10	638	8-71		29	599	.04	34	46
56-36-0023	2682411	578330	6-66	4	286	15,835	4.84	766	130	11,482	5.16	592	10-71		40	549	-.02	25	37
56-36-0023	2696519	605311	5-67	1	305	15,880	4.75	755	132	12,070	5.05	609	6-71		23	492	-.05	20	31
56-36-0023	2714173	604086	3-67	3	305	14,800	4.89	723	131	11,693	5.12	599	7-71		32	566	-.04	24	37
56-36-0023	2723016	604086	6-67	3	305	15,186	4.98	756	140	11,653	5.14	599	7-71		32	623	-.03	28	42
56-36-0023	2723020	604086	5-67	3	305	16,826	4.86	817	140	11,873	5.15	612	10-71		32	818	-.06	35	53
56-36-0023	2739755	604086	12-67	3	304	16,290	5.16	841	150	11,833	5.17	612	9-71		32	750	.01	38	54
56-36-0023	2739807	593648	7-67	3	305	16,263	4.85	788	132	11,796	5.12	604	6-71		38	531	-.06	21	33
56-36-0023	2750412	605311	6-67	3	305	14,336	4.95	710	148	11,750	5.14	604	8-71		32	495	-.04	21	32
56-36-0023	2755123	578330	12-67	2	305	17,165	4.89	839	126	12,425	5.09	632	6-71		36	492	-.01	24	35
56-36-0023	2788700	608318	11-68	2	303	18,495	4.50	832	98	13,630	5.09	694	2-72		29	764	-.13	25	44

TABLE 4. JERSEY USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C D	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
56-36-0023	2807049	608318	8-69	1	305	15,530	5.05	784	166	12,390	5.05	626	8-71		23	445	-.01	21	$ 31
56-36-0023	2807052	585350	8-69	1	305	14,790	4.81	712	164	12,470	5.05	630	8-71		35	374	.09	27	33
56-36-0023	2816100	609846	9-69	1	305	18,310	4.71	863	159	12,420	5.06	629	9-71		22	554	-.06	22	35
56-36-0023	2816116	585350	10-69	1	305	16,990	4.94	839	136	12,720	5.07	645	10-71		35	525	.10	36	45
56-36-0023	2824839	605311	12-69	1	305	17,100	5.08	868	104	13,440	5.06	680	1-72		23	491	.00	24	35
56-36-0023	2825734	585350	1-70	1	305	15,360	5.08	780	106	13,570	5.06	686	1-72		35	342	.13	29	34
56-36-0024	2450705	584562	8-61	7	305	14,294	5.46	780	39	9,600	5.24	503	2-72		43	647	.08	40	52
56-36-0024	2585605	582554	10-60	7	305	13,231	4.62	611	38	9,391	5.28	496	1-72		35	709	-.13	22	40
56-36-0024	2589422	593327	3-65	4	305	12,617	5.08	641	37	9,470	5.31	503	5-71		34	453	-.02	21	31
56-36-0024	2664141	593327	7-66	3	305	12,740	5.11	651	55	9,076	5.30	481	9-71		32	487	.00	24	34
56-36-0026	2575165	591383	12-64	4	305	12,918	5.14	664	52	9,583	5.32	510	5-71		34	459	.00	23	33
56-36-0026	2681975	591179	1-66	4	301	12,825	4.78	613	57	9,797	5.03	493	11-71		34	566	-.07	21	34
56-36-0026	2759710	603402	1-68	2	305	12,890	5.36	691	39	9,170	5.28	484	9-71		30	412	.05	25	33
56-36-0026	2840472	578382	2-70	1	305	13,780	5.08	700	30	10,920	5.27	575	3-72		35	553	-.10	18	32
56-36-0028	2445801	578146	8-61	8	305	12,526	5.12	641	69	9,470	5.22	494	6-71		38	537	-.01	26	38
56-36-0028	2567225	578146	1-64	7	300	12,044	5.20	626	66	9,631	5.23	504	12-71		38	446	.01	23	32
56-36-0028	2567227	578146	2-64	7	295	12,180	5.02	612	63	9,441	5.24	495	9-71		38	491	-.03	22	33
56-36-0028	2567232	597492	6-64	5	303	13,202	5.07	669	73	9,310	5.23	487	8-71		36	701	-.01	34	49
56-36-0028	2569549	497574	10-63	6	305	12,972	5.02	651	51	10,623	5.20	552	4-71		44	616	-.04	27	41
56-36-0028	2613826	497574	11-63	6	304	12,450	5.05	629	77	9,978	5.21	520	7-71		44	624	-.03	28	42
56-36-0028	2679595	603629	1-66	4	305	12,948	5.11	662	67	9,933	5.26	522	9-71		30	470	.00	23	33
56-36-0028	2682301	603631	9-66	4	305	13,570	5.16	700	58	10,737	5.23	562	3-72		35	509	.01	26	37
56-36-0028	2690821	603631	9-66	4	301	14,875	5.16	768	61	10,660	5.24	559	12-71		35	707	.01	36	51
56-36-0028	2719307	603631	3-67	3	276	13,440	5.20	699	54	11,053	5.29	585	2-71	8	33	426	.01	22	31
56-36-0028	2735388	603631	10-67	3	305	13,176	5.15	678	46	10,793	5.21	562	3-72		33	422	.01	22	31
56-36-0028	2833814	602754	8-69	1	305	12,420	4.93	612	102	9,450	5.15	487	8-71		32	568	.00	28	40
56-36-0038	2500289	580332	9-62	7	304	13,914	5.05	702	111	10,334	5.24	542	9-71		36	543	-.02	25	37
56-36-0038	2530452	549126	2-63	5	305	16,478	5.04	831	66	10,948	5.23	573	3-71		43	822	.02	43	60
56-36-0038	2531761	591179	8-63	6	303	12,916	5.19	670	96	10,418	5.15	537	2-72		35	513	-.02	24	35
56-36-0038	2548949	592718	10-63	6	300	14,651	4.56	668	117	10,313	5.29	546	8-71		36	622	-.10	21	36
56-36-0038	2559001	593148	11-63	7	305	18,718	5.52	1034	44	11,432	5.20	595	3-72		42	988	.11	60	79
56-36-0038	2559007	594192	2-64	6	303	14,236	4.98	709	54	11,385	5.21	593	12-71		36	501	-.04	21	32
56-36-0038	2583268	594192	7-64	5	303	13,782	5.11	704	66	10,882	5.30	577	12-70	8	36	501	-.02	23	34
56-36-0038	2631494	497574	2-63	5	305	12,002	5.38	646	119	10,534	5.26	554	7-71		44	500	.02	27	37
56-36-0038	2666535	594192	12-65	3	305	15,626	5.02	785	76	11,070	5.22	578	5-71		33	679	-.03	31	46
56-36-0040	2373743	497574	1-60	8	304	13,919	4.84	674	65	11,098	5.31	589	9-71		44	684	-.08	26	42
56-36-0040	2448674	591566	8-61	8	303	13,371	5.16	690	80	10,620	5.37	570	11-71		37	484	-.01	23	34
56-36-0040	2714825	571382	11-66	3	305	13,777	4.79	660	80	11,260	5.00	563	2-72		42	771	-.18	23	40
56-36-0040	2739788	605311	8-67	3	305	13,646	5.02	685	130	10,416	5.24	546	10-71		32	565	-.03	25	38
56-36-0040	2750594	578146	8-67	3	299	13,303	5.50	731	89	11,486	5.09	585	3-72		35	360	.07	25	31
56-36-0040	2751515	602853	11-67	3	305	15,213	4.64	706	77	11,263	5.16	581	4-72		34	554	-.10	18	32
56-38-0056	2398210	583874	8-60	9	295	11,754	4.26	501	97	9,202	4.80	442	2-72		36	575	-.12	17	31
56-38-0056	2414840	583874	12-60	8	298	13,432	4.59	616	94	8,790	4.82	424	2-72		36	876	-.07	37	57
56-38-0056	2456801	583874	11-61	6	294	11,758	4.49	528	91	9,053	4.81	435	8-71	8	36	595	-.08	22	36
56-38-0056	2523175	592538	5-63	4	303	11,585	4.49	520	54	8,823	4.85	428	2-71		35	615	-.09	22	37
56-38-0056	2586678	578270	9-62	3	305	13,493	4.67	630	99	10,067	4.80	483	9-71		32	510	-.01	24	35
56-38-0056	2596264	587689	1-65	5	292	13,634	4.52	616	99	9,812	4.86	477	5-71		36	545	-.09	18	31
56-38-0056	2651869	593756	10-63	3	304	13,796	4.91	678	104	9,703	4.75	461	12-71		32	564	.03	31	43
56-38-0056	2691035	576127	9-66	3	305	13,227	4.69	621	113	9,913	4.74	470	12-71		41	493	.03	27	37
56-38-0056	2691039	560800	9-66	3	305	14,030	4.53	636	130	9,620	4.78	460	7-71		42	722	-.07	29	45
56-38-0056	2702073	560800	9-66	3	305	13,893	4.41	612	118	9,863	4.72	466	1-72		42	660	-.09	25	41
56-38-0056	2721280	497574	7-67	3	295	11,843	5.07	601	128	9,830	4.70	462	11-71		42	544	.03	30	41
56-38-0056	2721284	584458	8-67	2	305	16,580	4.24	703	135	9,655	4.62	446	5-71		40	961	-.14	34	57
56-38-0056	2721285	497574	8-67	2	293	11,440	4.92	563	135	9,845	4.64	457	6-71		40	482	.01	25	35
56-38-0056	2729055	584458	5-67	1	305	14,740	4.08	601	77	10,690	4.57	489	3-72		35	583	-.11	13	32
56-38-0056	2743963	584458	9-67	2	305	12,995	4.77	620	123	9,785	4.61	451	3-71		40	583	-.04	25	38
56-38-0056	2749723	584458	10-67	2	283	13,475	4.53	610	129	9,485	4.71	447	9-71		40	660	-.08	25	40
56-38-0056	2784958	593883	9-68	1	265	11,980	4.58	549	121	9,990	4.59	459	7-71		33	468	.07	30	39
56-38-0056	2784986	593816	3-69	1	305	14,040	4.42	621	94	10,240	4.47	458	4-71		35	483	-.04	20	31
56-38-0056	2797473	593816	4-69	1	305	14,570	4.34	632	94	10,240	4.47	458	4-71		35	523	-.05	21	33
56-39-0021	2459501	497574	1-62	8	305	12,161	5.34	650	5	8,319	5.17	430	10-71		44	781	.03	42	58
56-39-0021	2701914	552315	12-66	4	305	12,783	4.76	608	5	9,088	5.03	457	2-72		43	502	-.04	21	32
56-42-0012	2411095	574246	9-60	6	303	13,660	4.60	629	59	10,982	4.47	491	3-71		41	563	-.02	26	38
56-42-0012	2465643	580602	1-62	8	304	12,753	4.79	611	56	10,348	4.57	473	1-72		40	520	-.02	24	35
56-42-0012	2494667	539252	8-62	7	304	14,566	4.06	591	56	10,430	4.55	475	1-71		36	665	-.14	20	37
56-42-0012	2495925	591179	12-62	7	305	16,270	4.05	659	57	10,200	4.51	460	10-71		35	1,049	-.19	33	59
56-42-0012	2531749	591179	2-63	6	303	13,121	4.57	599	48	10,071	4.46	449	10-71		35	591	-.05	25	38
56-42-0012	2577462	580602	7-64	4	305	14,285	4.14	592	57	10,715	4.53	485	3-71		39	667	-.14	19	36
56-42-0012	2577463	580602	8-64	5	305	13,036	4.60	600	63	10,838	4.49	487	12-71		40	498	-.04	21	32
56-42-0012	2577490	600360	12-64	5	305	15,624	4.42	691	72	10,616	4.48	476	10-71		32	817	-.06	35	53
56-42-0012	2585794	563805	8-64	4	305	12,915	4.96	640	100	11,068	4.81	532	1-71		42	502	.04	29	39
56-42-0012	2603752	598380	5-65	5	303	12,454	5.45	679	73	10,556	4.75	501	10-71		36	330	.15	31	35
56-42-0012	2608050	591179	8-65	4	302	18,042	3.62	654	56	11,262	4.40	496	9-71		34	1,130	-.28	27	56
56-42-0012	2677688	563805	7-66	3	219	14,337	4.48	642	53	11,920	4.63	552	3-71	A	41	568	-.01	27	39
56-42-0012	2705499	604935	11-66	2	300	14,640	4.31	631	63	11,310	4.36	493	7-71		30	487	-.03	21	32
56-42-0012	2724875	571382	7-67	3	305	15,597	4.11	641	81	11,077	4.45	493	9-71		42	1,002	-.24	25	51
56-42-0012	2770039	610047	8-68	2	305	15,850	4.08	647	62	11,890	4.31	513	1-72		29	632	-.12	20	36
56-42-0012	2795093	608120	10-68	2	304	15,385	4.35	670	45	12,395	4.30	533	2-72		33	463	-.01	22	32
56-43-0003	2323325	526919	1-59	6	291	11,230	5.14	577	37	9,568	4.87	466	3-71		43	364	.08	26	32
56-43-0003	2411207	526919	2-61	6	303	12,928	5.14	665	37	9,307	4.91	457	3-71		43	618	.08	39	51
56-43-0003	2528263	497574	7-63	6	292	12,110	4.49	544	58	9,198	4.91	452	7-71		44	671	-.09	25	41
56-43-0003	2534302	594002	12-63	6	304	12,343	5.13	633	60	9,362	4.90	459	10-71		36	476	.08	31	40
56-43-0003	2553657	546137	12-63	6	297	13,217	4.86	643	47	9,868	4.86	480	7-71		44	671	.05	38	51
56-43-0003	2563459	497574	3-64	5	301	11,178	4.94	552	52	9,716	4.91	477	3-71		44	488	-.01	23	34
56-43-0003	2609295	592750	3-63	6	305	13,488	4.89	660	38	9,532	5.17	493	12-71		36	635	-.03	29	43

TABLE 4. JERSEY USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C O	REPT (%)	.......C O W MILK (LB)	I N D E X....... FAT (%)	FAT (LB)	DOLLARS
56-43-0003	2632751	602810	12-65	5	305	13,082	4.92	643	48	9,890	5.17	511	1-72		35	532	-.04	23	$ 35
56-43-0003	2704745	604819	2-67	3	305	13,460	5.22	702	58	9,597	5.16	495	11-71		32	578	.06	35	46
56-43-0003	2802546	612718	11-69	1	305	15,710	4.38	688	85	10,300	4.73	487	12-71		19	525	-.06	20	32
56-43-0003	2836850	604694	11-69	1	300	13,780	3.93	541	83	10,360	4.76	493	12-71		34	594	-.10	20	34
56-43-0012	2800958	604694	4-69	1	305	10,050	5.36	539	53	8,230	4.92	405	2-72		34	454	.04	26	35
56-43-0015	2638400	602117	11-65	3	305	11,913	4.64	553	21	8,346	5.07	423	9-71		33	619	-.08	23	38
56-43-0015	2638411	602117	4-65	4	305	10,795	5.11	552	25	8,597	5.07	436	7-71		35	458	.00	23	33
56-46-0040	2647025	591335	6-65	2	305	11,045	4.28	473	7	6,425	4.16	267	12-71		29	481	-.03	21	32
57-10-0014	2646748	564043	7-63	5	291	13,024	5.06	659	16	8,170	5.15	421	11-70		42	577	.03	32	44
57-16-0002	2613950	564125	6-65	5	298	12,018	5.63	677	38	9 442	5.62	531	10-71		44	393	.04	23	31
57-16-0004	2745817	564125	7-66	3	305	12,733	5.09	648	45	9,033	5.01	453	6-71		42	484	.02	26	36
57-16-0004	2745831	571913	7-67	3	305	12,553	5.29	664	45	8,770	5.06	444	2-72		42	316	.11	26	31
57-16-0009	2600874	560800	7-65	5	298	11,020	5.55	612	5	9,176	4.99	458	9-71		44	436	.07	28	36
57-16-0009	2673384	572331	4-66	4	305	15,227	4.54	692	5	8,872	5.16	458	8-71		39	1,231	-.18	43	73
57-16-0009	2686878	598750	5-66	3	302	11,176	4.42	494	7	8,293	4.97	412	7-71		34	537	-.09	18	31
57-21-0501	2470995	534585	11-61	8	304	12,346	5.35	661	55	8,218	5.38	442	9-71		44	478	.03	27	37
57-21-0501	2538978	564125	7-63	7	304	11,549	5.57	643	68	9,103	5.37	489	3-72		44	371	.06	24	31
57-21-0501	2572172	594299	4-64	5	305	12,846	5.85	752	51	8,614	5.36	462	11-71		37	618	.13	44	55
57-21-0501	2585738	525627	8-64	5	301	11,428	5.00	571	55	9,242	5.28	488	2-71		43	528	-.09	18	31
57-21-0501	2585740	525627	9-64	6	301	11,288	5.21	588	68	8,117	5.42	440	8-71		43	644	-.06	26	41
57-21-0501	2681441	525627	12-65	4	305	11,738	4.97	583	61	9,133	5.29	483	1-71		42	570	-.10	19	33
57-21-0501	2732375	608160	11-67	3	303	12,676	5.06	642	63	9,400	5.23	492	3-72		32	451	.01	23	33
57-21-0501	2764024	594299	3-68	2	305	13,975	4.59	642	37	9,725	5.14	500	4-72		32	506	-.06	19	31
57-21-0501	2782951	594299	10-68	2	305	20,635	4.28	883	54	9,475	5.25	497	3-72		32	1,301	-.17	47	78
57-21-0513	2496327	567370	9-62	3	304	11,063	5.49	607	67	8,747	5.51	482	11-71		42	434	.00	22	31
57-21-0513	2517089	571291	2-63	3	305	12,863	5.40	694	75	8,910	5.52	492	1-72		42	561	.05	33	44
57-21-0513	2739133	608397	3-67	3	300	11,390	5.70	649	63	8,550	5.49	469	11-71		32	424	.08	29	37
57-21-0513	2748366	608397	1-67	3	305	12,633	5.74	725	63	8,490	5.51	468	11-71		32	601	.10	40	51
57-31-0502	2292433	508078	11-58	8	295	10,916	5.48	598	61	8,389	5.41	454	12-71		43	456	.07	29	38
57-31-0502	2561457	497574	9-63	6	301	10,527	5.27	555	48	8,648	5.42	469	7-71		44	529	-.01	25	37
57-31-0502	2683867	576127	2-66	5	298	12,264	4.92	604	66	9,114	5.31	484	12-71		43	507	.00	25	36
57-31-0502	2683869	576127	2-66	4	303	11,640	5.20	605	43	9,350	5.32	497	9-71		42	386	.04	23	31
57-31-0502	2683872	576127	2-66	4	299	10,125	5.94	601	52	8,273	5.34	442	11-71		42	317	.14	29	33
57-31-0502	2715434	576127	2-67	4	302	11,678	5.31	620	54	9,105	5.27	480	2-72		42	419	.06	27	35
57-31-0502	2715435	560800	2-67	4	301	11,243	5.16	560	82	8,485	5.37	456	12-71		43	533	-.03	24	36
57-31-0502	2736059	603463	10-67	3	303	11,820	5.12	605	78	9,183	5.30	487	1-72		35	549	.02	29	40
57-31-0502	2775233	585350	11-68	2	305	11,215	5.29	593	91	8,555	5.33	456	10-71		39	429	.12	33	40
57-31-0502	2775234	585350	11-68	2	305	10,315	5.65	583	97	8,705	5.32	463	11-71		39	322	.16	31	35
57-31-0502	2775239	560800	12-68	2	305	12,310	5.12	630	97	8,645	5.33	461	11-71		40	578	-.03	26	39
57-31-0502	2795410	585350	4-69	1	305	12,070	5.06	611	67	9,090	5.12	465	1-71		35	398	.12	31	37
57-31-0502	2816924	585350	11-69	1	305	11,290	5.48	619	89	9,390	5.29	497	12-71		35	318	.14	29	33
57-31-0502	2842436	593816	5-69	1	305	12,510	5.09	637	82	8,510	5.37	457	9-71		35	485	-.03	21	32
57-61-0008	2729339	563813	7-67	3	284	10,903	5.71	623	35	9,040	4.91	444	10-71		42	305	.13	28	32
57-66-0016	2543269	567370	7-63	4	301	11,538	5.19	599	43	8,403	5.24	440	2-72		44	546	.00	27	39
57-66-0016	2726274	604821	7-67	3	305	11,840	5.11	605	26	8,866	5.40	479	9-71		32	558	-.03	25	37
57-66-0016	2729696	602754	8-67	2	305	13,470	4.80	647	43	7,710	5.18	399	6-71		36	910	-.03	42	62
57-66-0016	2766525	604821	8-68	2	305	11,050	5.19	574	32	8,480	5.32	451	9-71		29	466	-.01	22	32
57-66-0016	2766531	604821	7-68	1	305	12,860	4.73	608	38	7,970	5.26	419	8-71		24	609	-.05	25	39
57-66-0016	2781961	602754	2-69	2	297	10,905	5.27	575	31	9,090	5.36	487	3-72		36	501	.01	26	37
57-66-0016	2786315	604821	11-68	2	305	11,350	4.98	565	64	8,495	5.37	456	2-72		29	500	-.04	21	32
57-66-0016	2805868	604821	6-69	1	305	11,800	5.08	599	29	8,110	5.24	425	6-71		24	503	-.01	24	35
57-80-0001	2679406	571382	8-66	4	300	12,838	4.68	601	34	8,943	5.02	449	8-71		43	925	-.20	26	49
57-80-0001	2679408	574629	8-66	3	301	12,813	5.33	683	40	9,390	5.03	472	10-71		41	407	.05	25	33
57-81-0001	2560611	546137	4-64	6	299	10,523	5.09	536	40	9,503	5.05	480	10-71		44	362	.06	24	31
57-81-0001	2605372	571382	9-65	5	305	12,274	4.74	582	35	9,544	5.28	504	11-71		44	797	-.22	18	39
57-81-0001	2679418	584458	7-66	4	305	11,523	5.16	595	36	9,568	5.11	489	1-72		43	484	-.03	21	32
57-81-0001	2760096	573431	2-68	3	305	11,423	5.56	635	24	10,230	5.03	515	3-72		41	342	.08	25	31
57-81-0001	2772882	571382	8-68	2	303	13,310	4.86	647	34	9,895	5.33	527	12-71		40	825	-.20	21	42
57-81-0001	2786022	605897	1-69	2	305	11,580	5.22	604	31	10,130	5.14	521	3-72		36	451	.00	22	32
57-81-0001	2799645	573431	6-69	1	305	13,250	4.95	656	37	9,950	5.22	519	11-71		35	469	.00	23	33
57-81-0001	2812915	571382	10-69	1	305	13,290	4.83	642	36	9,760	5.33	520	11-71		35	770	-.20	18	38
57-88-0001	2531591	560800	8-63	5	303	12,726	4.55	579	30	9,304	5.11	475	6-71		44	644	-.10	22	38
57-88-0001	2602133	560800	1-65	5	302	12,022	5.10	613	43	9,258	5.18	480	2-72		44	557	-.02	26	38
57-88-0001	2664856	560800	12-65	3	299	11,867	5.06	600	32	9,173	5.20	477	5-71		42	517	-.03	23	35
58-03-9030	2676266	584458	9-66	4	301	10,778	4.76	513	22	8,163	4.92	402	1-72		43	549	-.06	21	34
58-03-9030	2698297	571382	1-67	3	300	10,537	5.07	534	35	8,063	4.97	401	10-71		42	729	-.13	23	41
58-03-9030	2761252	573431	7-68	2	300	10,535	4.89	515	24	8,195	4.88	400	11-71		39	429	.01	22	31
58-05-0010	2698161	560800	10-65	4	300	12,003	4.64	557	115	8,193	4.63	379	3-72		43	661	-.03	30	45
58-05-0034	2490737	586299	7-61	7	305	13,242	4.31	571	45	9,664	4.73	457	7-71		36	596	-.10	20	34
58-05-0034	2532717	583400	3-63	4	305	11,913	4.66	555	47	8,765	4.91	430	2-71		36	566	-.07	22	36
58-05-0034	2576134	583400	8-64	4	305	12,313	4.23	521	46	9,003	4.89	440	2-71		36	612	-.15	16	32
58-05-0037	2578997	574246	9-63	5	298	12,434	4.06	505	43	9,282	4.73	439	1-71		41	505	-.14	16	31
58-05-0037	2608147	563813	9-65	2	305	11,695	5.53	647	57	9,175	4.93	452	12-71		40	349	.11	28	34
58-05-0037	2744533	600873	6-67	2	297	14,405	3.94	568	64	9,355	4.71	441	12-70		35	667	-.12	21	37
58-05-0037	2755714	608120	2-68	2	303	13,505	4.86	656	34	9,990	4.61	461	4-71		33	495	.03	28	38
58-08-0005	2832193	593816	10-69	1	305	16,140	4.24	684	26	10,310	4.68	482	12-71		35	639	-.09	23	38
58-49-0039	2565413	598820	8-63	5	303	10,946	5.83	638	42	8,992	4.82	433	2-72		32	307	.18	32	36
61-01-0004	2658402	601632	12-65	4	304	12,045	4.68	564	12	8,845	4.93	436	3-72		30	481	-.04	20	31
61-06-0002	2339001	561372	7-59	9	295	12,004	4.83	580	17	9,186	4.79	440	3-71		36	522	-.01	25	36
61-06-0002	2760057	595550	7-68	2	305	13,860	5.30	735	22	11,400	4.91	560	2-72		39	368	.09	27	33
61-06-0004	2502829	525627	12-62	6	304	11,402	5.30	604	50	9,433	5.12	483	10-71		43	501	-.02	23	34
61-06-0004	2578053	595550	10-64	6	303	14,530	5.43	789	49	9,548	5.13	490	11-71		43	743	.10	47	61
61-06-0004	2701059	578382	11-66	3	305	16,147	4.35	702	36	9,817	4.96	487	8-71		41	1,037	-.19	32	58
61-06-0004	2701061	525627	12-66	4	302	12,448	5.12	637	66	9,855	5.12	505	11-71		42	578	-.05	24	37
61-06-0004	2701062	578382	12-66	4	305	13,133	4.42	581	66	9,840	5.15	507	11-71		42	707	-.19	16	35

TABLE 4. JERSEY USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	TCO	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
61-06-0004	2785084	595550	12-68	2	305	13,300	5.17	688	36	9,915	5.09	505	11-71		39	448	.05	27	$ 36
61-06-0004	2785086	595550	1-69	2	305	13,620	5.32	724	35	10,095	5.07	512	11-71		39	464	.07	30	39
61-06-0004	2813123	578382	2-70	1	305	16,060	4.68	751	64	11,130	5.09	567	1-72		35	713	-.14	22	40
61-06-0009	2554345	595550	10-63	5	303	14,316	5.26	753	17	9,954	5.10	508	7-71		43	667	.07	40	53
61-06-0009	2616353	575164	6-65	3	305	14,130	5.18	732	11	10,883	5.05	550	5-71		42	465	-.01	22	32
61-06-0009	2735119	595550	12-67	3	305	13,276	5.57	740	12	9,760	5.02	490	2-72		41	505	.12	37	46
61-06-0009	2775804	595550	3-68	2	305	12,600	4.97	626	23	9,420	5.05	476	8-71		39	422	.03	24	32
61-06-0029	2778738	595550	2-68	2	289	13,595	4.82	655	8	9,840	5.03	495	11-71		39	486	.01	25	35
61-06-0041	2583476	595550	1-65	3	299	12,920	4.88	631	19	8,463	4.95	419	11-71		41	600	.02	32	44
61-15-0010	2414388	560627	8-60	8	301	11,145	4.89	545	15	8,464	5.01	424	11-71		35	457	-.01	22	32
61-19-0032	2846248	577474	1-70	1	305	13,220	4.74	626	20	8,900	4.66	415	2-72		35	527	.02	28	39
61-24-0010	2718185	525627	3-67	3	301	12,270	4.70	577	18	9,107	4.78	435	2-72		41	619	-.08	23	38
61-24-0010	2752567	525627	12-67	3	300	12,733	4.58	583	21	9,630	4.69	452	2-72		41	618	-.09	22	37
61-24-0010	2817903	604694	10-69	1	302	10,990	5.00	550	22	9,560	4.78	457	10-71		34	435	.01	23	32
61-24-0010	2817906	604694	12-69	1	305	12,710	4.22	536	11	10,660	4.57	487	3-72		34	491	-.05	20	31
61-25-0005	2713068	578382	1-67	3	297	12,220	4.80	587	32	9,003	5.12	461	1-71		41	663	-.11	22	38
61-25-0005	2754168	595550	1-68	2	305	11,305	4.89	553	34	7,895	5.12	404	10-71		39	430	.02	23	32
61-25-0005	2754172	578382	4-68	2	305	12,480	4.28	534	46	7,815	5.16	403	10-71		39	770	-.18	20	40
61-25-0005	2789693	583958	2-69	1	304	10,360	5.18	537	46	7,820	5.05	395	9-71		35	444	-.01	21	31
61-25-0005	2795594	607971	4-69	1	305	11,390	5.19	591	47	8,030	4.96	398	12-71		27	420	.02	23	32
61-25-0006	2536771	563805	11-63	6	305	11,250	4.99	561	22	8,512	5.02	427	7-71		43	595	.02	32	44
61-25-0006	2568850	596939	9-64	5	305	11,766	4.81	566	22	8,548	5.01	428	7-71		32	560	-.03	22	33
61-27-0028	2534867	594846	8-63	2	305	14,825	4.72	700	7	10,505	4.76	500	7-71		37	572	-.05	24	37
61-31-0001	2352167	519827	6-59	9	305	12,193	4.99	609	13	9,639	4.99	481	3-71		42	559	-.03	25	37
61-31-0001	2780518	563805	3-69	1	305	11,450	4.18	479	20	8,870	4.64	412	8-71		34	472	-.02	22	32
61-31-0001	2810104	563805	9-69	1	305	11,650	4.84	564	14	9,150	4.77	436	12-71		34	468	.04	27	36
61-31-0001	2810105	563805	9-69	1	305	11,340	4.39	498	14	9,150	4.77	436	12-71		34	444	-.01	21	31
61-31-0057	2696597	578382	10-67	3	300	13,660	4.09	559	21	10,367	4.58	475	9-71		41	688	-.17	17	35
61-31-0057	2773685	593816	10-68	2	305	14,420	4.11	593	14	10,275	4.70	483	4-72		39	613	-.13	18	33
61-34-0057	2607362	563805	9-65	4	305	11,670	5.04	588	23	10,208	5.39	550	7-71		42	442	-.01	21	31
61-38-0008	2558464	595550	10-63	3	305	11,060	5.41	598	13	7,590	5.15	391	8-71		41	474	.08	31	40
61-41-0037	2574352	598662	11-64	5	299	11,584	4.95	573	11	8,616	4.82	415	8-71		35	482	.03	27	37
61-41-0037	2672341	598662	4-66	4	305	10,852	5.04	547	12	8,182	5.00	409	9-71		33	414	.02	23	31
61-50-0002	2761204	595550	2-68	2	304	14,870	4.75	706	19	9,695	4.84	469	3-72		39	631	.01	32	45
61-50-0002	2785079	595550	11-68	2	261	12,375	5.47	677	26	9,060	4.91	445	2-72		39	432	.11	32	39
61-72-0022	2488864	563805	2-62	7	305	16,913	4.53	766	40	10,549	4.93	520	10-71		43	1,104	-.07	48	73
61-72-0022	2548889	595550	10-63	4	243	14,130	4.74	670	16	10,470	5.00	524	7-71		42	562	-.01	27	39
61-72-0022	2590610	600825	3-65	4	305	13,250	5.32	705	16	10,562	4.97	525	2-72		35	447	.04	26	35
61-72-0022	2598406	563805	4-65	4	305	13,953	4.60	642	28	11,185	4.85	543	11-71		42	620	-.03	28	42
61-72-0022	2642974	600002	4-66	4	305	14,302	5.42	775	19	10,235	4.92	504	9-71		42	471	.12	35	43
61-72-0022	2693272	602658	11-66	4	285	16,367	4.38	717	28	10,117	4.98	504	1-72		38	1,296	-.22	41	73
61-72-0022	2699253	563805	8-66	3	305	16,993	4.14	703	19	11,337	4.92	558	3-71		41	945	-.14	33	56
61-72-0022	2778423	563805	3-69	2	303	13,535	4.58	620	14	11,780	4.81	567	2-72		38	469	.00	23	33
61-72-0022	2823140	602658	3-70	1	305	13,800	4.93	681	10	12,350	4.77	589	3-72		29	648	-.10	22	36
61-76-0034	2774018	603767	6-68	1	305	10,740	4.91	527	11	6,290	4.85	305	10-70		30	468	.00	23	33
61-99-0003	2607032	525627	6-65	4	305	13,948	4.22	588	20	10,753	5.00	538	5-71		42	666	-.19	14	32
61-99-0003	2607033	578382	8-65	5	305	13,172	4.49	591	19	10,012	4.98	499	11-71		43	705	-.16	19	37
61-99-0003	2607034	578382	8-65	4	300	14,510	4.33	629	20	10,883	4.95	539	2-71		42	762	-.19	19	39
61-99-0003	2748763	595550	2-68	2	305	13,130	5.63	739	18	10,940	4.85	531	2-71		39	335	.14	30	35
61-99-0003	2798408	603463	3-68	2	305	11,820	4.99	590	12	9,060	4.81	436	8-71		32	531	.05	31	42
61-99-0003	2798413	603463	7-68	2	305	14,265	4.89	697	13	9,345	4.97	464	2-72		32	782	.02	41	57
61-99-0003	2833292	583958	8-69	1	298	13,860	4.67	647	13	9,020	5.13	463	10-71		35	626	-.07	24	39
61-99-0003	2833301	571382	12-69	1	305	13,600	4.56	620	12	9,900	5.10	505	1-72		35	784	-.22	17	38
63-01-0010	2523600	591314	3-63	3	305	11,773	4.87	573	18	8,060	4.89	394	12-70		33	489	.00	24	34
63-03-0011	2463624	586612	11-61	8	302	12,845	4.79	615	29	9,621	4.87	469	9-71		36	515	-.03	23	34
63-03-0021	2579321	549809	8-64	4	305	12,280	4.92	604	14	9,720	5.12	498	7-71		42	579	-.10	19	33
63-03-0021	2622582	546137	8-65	4	305	12,543	5.01	629	13	9,843	5.12	504	3-71		43	572	.05	33	44
63-03-0021	2622585	549809	10-65	5	302	12,782	4.73	605	17	9,772	5.19	507	10-71		43	552	-.14	19	35
63-03-0021	2774978	573431	5-68	2	305	13,435	4.85	652	20	10,210	5.08	519	9-71		39	542	-.02	25	37
63-03-1017	2523245	545381	9-62	6	305	13,868	5.01	695	28	9,395	4.99	469	2-72		43	543	.02	29	40
63-03-1017	2619092	597564	8-65	4	305	14,997	4.42	663	17	9,780	4.95	484	6-71		36	824	-.12	29	49
63-07-0007	2534814	497574	11-63	7	296	11,313	4.69	531	45	9,304	5.07	472	1-72		44	554	-.07	21	34
63-07-0007	2727690	584458	7-67	2	300	12,625	4.81	607	37	10,040	5.01	503	5-71		40	522	-.07	19	31
63-07-0007	2754838	573431	2-68	3	305	11,340	5.49	623	30	9,947	4.97	494	3-72		41	362	.08	26	32
63-07-0007	2765415	573431	6-68	2	297	11,785	5.01	591	34	9,430	4.89	461	7-71		39	444	.02	24	33
63-07-0007	2794257	583958	11-68	1	305	13,650	4.38	598	49	10,000	4.92	492	1-71		35	544	-.08	19	32
63-07-0007	2794272	583958	2-69	1	305	14,020	4.19	588	49	10,000	4.92	492	1-71		35	572	-.11	18	32
63-08-0015	2560931	595550	5-64	3	305	12,196	5.24	639	25	7,873	5.23	412	12-71		41	577	.04	33	45
63-08-0015	2790752	597561	3-69	1	305	11,410	5.48	625	27	7,640	5.26	402	11-71		26	422	.04	25	33
63-08-0054	2766016	604141	5-68	2	300	11,255	5.00	563	48	7,900	4.84	382	10-71		31	445	.00	22	32
63-09-0005	2544090	592373	8-63	6	305	12,636	4.80	607	15	10,151	4.93	500	8-71		36	468	-.03	20	31
63-09-0005	2678195	590317	9-66	3	305	13,916	5.07	706	19	10,673	4.83	516	12-70		40	450	.05	27	36
63-11-0001	2801244	595265	8-69	1	305	14,420	4.02	580	15	9,030	4.89	442	11-71		29	620	-.16	15	31
63-11-0003	2834290	602658	2-70	1	305	12,430	3.75	466	19	8,640	4.91	424	2-72		29	812	-.24	16	38
63-11-0003	2836021	602658	3-70	1	305	11,890	4.57	543	15	8,440	4.92	415	3-72		29	782	-.15	24	43
63-11-0004	2672438	549809	8-65	4	300	10,470	5.18	542	21	8,293	4.99	414	2-72		42	513	-.05	21	33
63-11-0004	2832486	602658	2-70	1	305	12,090	4.23	511	23	9,160	5.01	459	4-72		29	745	-.19	18	37
63-12-0008	2540179	590136	2-63	7	303	10,990	5.06	556	26	8,506	4.82	410	9-71		35	363	.08	26	32
63-13-0024	2675958	578382	5-66	3	301	17,043	4.49	766	20	11,833	4.83	572	4-71		41	930	-.15	31	54
63-13-0024	2792634	582400	9-68	1	305	13,590	4.75	646	8	10,120	4.70	476	1-71		35	594	-.07	23	37
63-13-0024	2792639	583958	6-69	1	305	13,310	5.27	701	17	10,500	4.81	505	4-71		35	484	.01	25	35
63-19-0011	2235306	545916	8-57	10	305	16,384	4.52	741	20	10,330	4.90	506	11-71		36	949	-.10	37	59
63-19-0011	2646234	600189	11-65	5	305	15,188	4.45	676	17	11,350	4.85	551	2-72	8	32	643	-.10	22	38
63-19-0031	2740422	590165	8-67	3	305	13,030	5.11	666	7	8,610	4.89	421	2-72		37	706	.00	35	50
63-22-0005	2765484	602754	2-68	2	305	10,300	4.56	470	18	8,945	4.72	422	11-71		36	450	-.01	21	31

TABLE 4, JERSEY USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	REGISTRATION COW NUMBER	REGISTRATION SIRE NUMBER	COW BORN MO-YR	COW'S AVERAGE PRODUCTION RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	HERDMATE AVERAGES NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C D	REPT (%)	COW INDEX MILK (LB)	FAT (%)	FAT (LB)	DOLLARS
63-23-0014	2423655	577505	1-61	8	299	16,426	4.93	809	18	10,466	5.08	532	4-72		38	673	.01	34	$ 48
63-23-0014	2487815	563805	4-62	8	305	11,810	4.94	583	44	10,491	4.95	519	8-71		43	432	.03	24	33
63-23-0014	2509403	563805	3-63	6	305	11,827	5.27	623	44	10,500	5.05	530	8-71		43	434	.07	28	36
63-23-0014	2530031	563805	4-63	5	304	11,744	5.35	628	43	10,598	5.02	532	5-71		43	411	.08	28	35
63-23-0014	2551165	563805	3-64	6	301	13,885	4.93	684	36	11,028	4.96	547	1-72	B	43	644	.02	34	47
63-23-0014	2551166	563805	3-64	5	305	12,234	4.86	595	36	10,540	4.94	521	4-71		43	483	.01	25	35
63-23-0014	2573599	563805	5-64	6	304	11,885	5.12	609	43	10,733	5.04	541	3-72		43	413	.04	24	32
63-23-0014	2573608	563805	6-64	5	305	11,678	5.62	656	47	10,674	5.03	537	2-71		43	393	.12	31	37
63-23-0014	2573611	563805	7-64	4	305	14,505	4.87	706	37	10,798	4.96	536	4-71		42	735	.00	37	53
63-23-0014	2619776	563805	8-65	4	305	12,078	5.25	634	43	10,745	5.06	544	6-71		42	433	.06	27	35
63-23-0014	2619793	563805	11-65	4	305	13,988	5.04	705	36	10,868	5.03	547	5-71		42	661	.03	36	50
63-23-0014	2619796	563805	11-65	4	305	14,478	4.59	664	32	10,885	5.03	547	7-71		42	721	-.05	31	47
63-23-0014	2659820	563805	5-66	4	305	14,283	4.74	677	41	10,965	5.00	548	2-72		42	687	-.02	32	47
63-23-0014	2677682	563805	7-66	3	305	13,050	4.78	624	36	10,593	5.04	534	6-71		41	557	-.02	26	38
63-23-0014	2700903	563805	1-67	3	305	13,103	4.70	616	30	10,913	5.02	548	6-71		41	529	-.02	24	36
63-23-0014	2704508	563805	1-67	3	265	17,497	4.74	830	31	11,757	5.04	592	3-72		41	960	-.03	45	66
63-23-0014	2725715	563805	6-67	3	302	12,130	4.89	593	22	10,123	5.13	519	9-71		41	498	-.01	24	35
63-23-0014	2725725	563805	7-67	2	305	12,760	5.10	651	20	10,900	4.90	534	5-71		38	470	.06	29	38
63-23-0014	2725729	563805	8-67	3	220	12,953	4.76	617	30	11,313	4.96	561	3-72	8	41	469	.00	23	33
63-23-0014	2725730	563805	8-67	2	301	12,465	4.93	615	24	10,950	4.90	537	5-71		38	435	.03	25	34
63-23-0014	2767421	563805	6-68	2	295	12,705	5.06	643	30	11,490	4.99	573	3-72		38	409	.04	24	32
63-23-0014	2774934	563805	11-68	2	294	12,485	4.96	619	33	10,680	5.07	541	11-71		38	462	.02	25	34
63-23-0015	2510545	576127	2-63	6	299	11,868	4.83	573	39	9,115	4.82	439	5-71		43	455	.03	26	35
63-23-0015	2658316	563813	1-66	4	304	13,305	4.88	649	43	9,918	4.84	480	2-71		43	518	.03	29	39
63-23-0015	2672675	571382	4-66	4	289	10,903	4.49	490	43	8,648	4.94	427	6-71		43	717	-.21	15	34
63-23-0015	2672678	571382	5-66	4	290	10,658	4.51	481	41	8,805	4.92	433	1-72		43	669	-.21	13	31
63-23-0015	2672679	571382	5-66	4	294	10,670	4.61	492	42	8,653	4.95	428	7-71		43	688	-.19	15	33
63-23-0015	2702345	571382	8-66	3	292	10,330	4.71	487	35	8,597	4.96	426	10-71		42	649	-.18	15	32
63-23-0015	2706369	578382	9-66	4	293	11,930	4.93	588	42	9,528	4.90	467	11-71		42	591	-.08	22	36
63-23-0015	2730274	573431	7-67	2	305	12,035	5.03	605	40	9,275	4.79	444	2-72		39	484	.03	27	37
63-23-0015	2730279	573431	8-67	1	305	11,460	5.17	592	45	9,290	4.70	437	4-71		35	377	.05	24	31
63-23-0015	2767983	609128	4-68	2	280	11,940	4.72	563	42	9,095	4.77	434	2-72		30	530	-.05	22	34
63-23-0018	2526965	497574	7-63	6	302	12,115	4.63	561	41	8,322	4.89	407	8-71		44	774	-.06	33	51
63-23-0020	2586424	597560	8-64	5	298	16,668	4.36	726	40	10,106	4.84	489	2-71		35	993	-.12	37	60
63-23-0020	2754345	605360	10-67	2	305	16,400	4.55	747	33	10,975	5.06	555	2-71		30	824	-.11	30	50
63-23-0020	2754349	605360	1-68	2	305	14,320	4.09	586	21	10,440	4.78	499	7-71		30	634	-.15	17	33
63-23-0020	2754352	605360	11-67	2	305	12,655	5.13	649	21	10,440	4.78	499	7-71		30	436	.03	25	34
63-23-0020	2754353	605360	2-68	2	305	12,990	4.92	639	20	10,720	4.74	508	5-71		30	445	.01	23	32
63-23-0020	2805728	605360	8-68	2	288	12,475	5.04	629	22	10,410	4.85	505	7-71		30	417	.01	22	31
63-23-0024	2614925	605086	7-65	5	299	12,104	4.93	597	84	9,102	4.86	442	10-71		32	474	.01	25	35
63-23-0024	2673395	598750	5-66	4	300	10,800	4.99	539	49	9,025	4.83	436	1-72		35	415	.01	22	31
63-23-0024	2702418	572331	7-66	2	292	13,185	3.77	497	47	9,735	4.74	461	4-71		35	800	-.23	17	38
63-23-0024	2716119	600211	5-67	3	296	11,633	5.42	631	98	9,430	4.85	457	9-71		41	407	.11	31	36
63-23-0024	2721960	598750	6-67	3	297	11,396	5.04	574	77	9,336	4.83	451	10-71		34	443	.02	24	33
63-23-0024	2721961	598750	4-67	3	305	12.400	4.03	500	91	9,080	4.91	446	10-71		34	605	-.15	15	31
63-23-0024	2721964	598750	12-66	3	303	12,256	4.94	605	77	8,896	4.90	436	11-71		34	608	.00	30	43
63-23-0024	2721965	598750	9-66	4	294	11,397	4.81	548	74	8,710	4.90	427	11-71		35	539	-.02	25	37
63-23-0024	2724325	598750	5-66	4	288	12,495	4.33	541	90	8,857	4.92	436	8-71		35	675	-.12	22	38
63-23-0024	2730827	598750	10-67	2	305	12,825	5.06	649	32	9,910	4.60	456	3-71		31	527	.05	31	41
63-23-0024	2730828	598750	11-67	2	304	13,080	5.50	720	35	10,190	4.60	469	3-71		31	527	.12	38	47
63-23-0024	2754295	609128	4-68	2	305	14,040	4.63	650	114	9,215	4.98	459	8-71		30	764	-.08	30	48
63-23-0024	2754303	598750	1-68	2	303	11,450	5.07	581	56	8,725	4.92	429	3-72		31	491	.02	26	36
63-23-0024	2765657	609128	8-68	2	303	13,365	4.48	599	104	9,195	4.94	454	8-71		30	687	-.10	24	4[illegible]
63-23-0024	2765671	598750	7-68	1	262	12,830	4.82	619	107	9,370	4.93	462	9-70	H	26	493	-.03	22	33
63-23-0024	2781609	598750	10-68	2	303	12,165	4.74	577	74	8,950	4.99	447	11-71		31	551	-.05	23	36
63-23-0024	2798373	593883	12-68	2	305	10,675	5.25	560	32	9,405	4.94	465	2-72		38	423	.11	32	39
63-23-0024	2798375	593883	1-69	1	305	11,690	5.22	610	66	9,980	4.96	495	5-71		33	446	.11	33	41
63-23-0024	2812067	598750	9-69	1	305	12,150	5.14	624	107	9,130	5.07	463	8-71		26	453	.00	23	33
63-23-0024	2825225	609128	2-70	1	305	14,580	4.86	708	103	8,870	5.06	449	10-71		25	713	-.05	31	47
63-23-0034	2302871	559928	8-58	10	305	13,782	4.83	665	45	10,466	5.04	528	11-71		37	546	-.06	21	34
63-23-0034	2487805	563805	2-62	8	304	13,251	4.45	590	47	10,606	4.98	528	11-71		43	610	-.06	24	38
63-23-0034	2509395	563805	3-63	5	276	13,894	5.10	708	46	10,626	5.07	539	6-71		43	693	.04	38	52
63-23-0034	2530048	563805	10-63	6	303	13,500	5.01	676	39	10,937	5.04	551	12-71		43	604	.02	32	45
63-23-0034	2531819	563805	10-63	6	305	12,355	5.25	649	39	10,690	5.04	539	9-71		43	481	.06	30	39
63-23-0034	2659817	563805	5-66	4	302	12,578	5.20	654	38	10,558	5.08	536	11-71		42	518	.05	31	41
63-23-0034	2693293	602658	12-66	4	305	13,087	4.86	636	50	10,300	5.05	520	11-71		38	831	-.13	28	48
63-23-0034	2700894	563805	12-66	3	269	12,920	4.97	642	35	10,663	5.05	539	4-71		41	534	.01	28	39
63-23-0034	2751707	563805	2-68	2	305	14,060	4.59	645	22	10,955	4.95	542	5-71		38	601	-.03	27	40
63-23-0034	2766041	563805	9-68	2	303	12,675	4.85	615	33	11,235	5.06	568	1-72		38	430	.01	22	31
63-23-0034	2810110	595265	10-69	1	305	18,090	4.82	872	44	11,470	5.18	594	12-71		29	742	-.10	27	45
63-23-0034	2813830	563805	11-69	1	305	16,240	4.86	789	29	11,820	5.11	604	1-72		34	637	.00	32	46
63-23-0034	2822795	563805	11-69	1	147	13,650	5.59	763	38	11,360	5.16	586	12-71	8	34	469	.08	31	40
63-24-0008	2514804	583396	9-61	5	301	12,416	5.17	642	19	8,332	5.10	425	4-71		42	564	-.04	24	37
63-24-0008	2711238	603109	8-66	3	304	11,556	5.60	647	19	9,146	5.24	479	2-71		36	342	.09	26	32
63-26-0018	2765428	573431	8-68	1	291	11,270	5.34	602	6	6,680	4.99	333	2-72		35	543	.04	31	42
63-26-0027	2735118	595550	9-67	3	304	12,176	5.22	636	17	8,400	5.19	436	10-71		41	519	.05	31	41
63-28-0010	2790744	597561	7-68	1	305	13,730	4.81	660	51	8,670	4.99	433	9-71		26	543	-.01	26	38
63-28-0010	2790837	599997	3-69	1	305	13,190	4.89	645	54	8,870	4.97	441	11-71		28	511	.00	25	36
63-28-0010	2817565	597561	9-69	1	305	11,630	5.51	641	47	8,670	4.96	430	11-71		26	361	.06	24	31
63-32-0027	2352082	549809	8-59	9	301	15,518	4.21	654	43	12,518	4.83	604	1-72		43	687	-.20	14	32
63-32-0027	2581287	546137	9-64	5	297	14,350	4.51	647	73	12,458	4.83	602	10-71		44	514	-.01	25	36
63-32-0027	2604461	546137	12-64	5	305	15,040	4.77	718	65	12,572	4.85	610	1-72		44	591	.04	33	45
63-32-0027	2604463	546137	1-65	5	303	14,876	5.10	758	55	13,102	4.81	630	7-71		44	507	.11	36	45
63-32-0027	2646503	546137	9-65	4	302	14,033	4.85	680	50	12,915	4.87	629	3-71		43	414	.05	25	33
63-32-0027	2674659	599997	2-66	4	301	15,257	4.66	711	81	12,090	4.88	590	10-71		37	603	-.05	25	39

TABLE 4. JERSEY USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION.. COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	TCD	REPT (%)	......C O W I N D E X...... MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
63-32-0027	2674663	584458	4-66	4	297	13,530	4.94	669	60	11,898	4.92	585	8-71		43	473	-.04	20	$ 31
63-32-0027	2674676	584458	8-66	4	303	13,730	5.21	716	53	12,550	4.84	607	3-72		43	425	.02	23	32
63-32-0027	2703486	584458	9-66	3	296	14,613	4.93	720	50	12,707	4.80	610	3-72		42	505	-.03	22	33
63-32-0027	2725824	584458	8-67	3	296	14,903	4.77	711	71	11,907	4.82	574	9-71		42	622	-.06	25	39
63-32-0027	2725837	606421	10-67	3	284	15,703	4.41	693	26	12,027	4.86	584	1-72		29	564	-.10	18	32
63-32-0027	2725838	573431	10-67	2	305	14,560	4.98	725	45	12,165	4.84	589	5-71		39	476	.02	26	36
63-32-0027	2751729	549809	1-68	2	305	14,885	4.58	681	61	11,860	4.83	573	8-71		38	607	-.12	18	33
63-32-0027	2786055	577474	8-68	2	305	13,675	4.86	664	66	11,865	4.80	569	8-71		40	403	.03	23	31
63-32-0027	2805495	583958	10-69	1	305	15,900	4.14	659	79	12,220	4.74	579	10-71		35	563	-.11	17	31
63-32-1120	2697299	603463	1-69	2	305	15,425	4.85	748	15	11,080	4.84	536	3-72		32	736	.02	39	54
63-32-1120	2808296	602754	12-69	1	295	12,700	5.18	658	20	11,440	4.84	554	1-72		32	447	.04	26	35
63-34-0010	2685168	603109	10-66	4	305	13,377	5.22	698	9	11,035	5.14	567	3-72		37	379	.05	24	31
63-34-0010	2824982	602658	2-70	1	305	12,950	4.63	600	11	11,070	5.28	584	1-72		29	673	-.18	16	34
63-36-0006	2775153	602984	9-67	3	300	11,440	4.77	546	5	7,523	4.94	372	11-71		32	617	-.04	27	41
63-45-0001	2579852	549809	1-63	5	294	11,912	4.40	524	13	8,734	5.00	437	2-72		43	660	-.16	17	34
63-45-0002	2546747	549809	5-63	5	305	12,663	5.13	650	10	9,165	4.89	448	1-72		43	708	-.03	32	48
63-45-0002	2546751	549809	9-63	6	300	11,492	4.78	549	10	9,162	4.91	450	9-71		43	553	-.10	18	32
63-45-0002	2558478	549809	9-63	6	292	12,537	4.81	603	10	9,540	4.77	455	2-72		43	647	-.07	25	40
63-45-0002	2587440	549809	8-64	6	291	13,655	4.63	632	12	8,928	4.88	436	9-71		43	869	-.12	31	52
63-51-0006	2622408	563955	10-65	4	305	11,575	5.54	641	30	9,162	4.96	455	8-71		40	349	.15	32	37
63-51-0006	2709318	571382	9-66	4	295	13,060	4.16	543	31	9,228	5.11	472	11-71		43	921	-.29	16	41
64-01-0115	2562212	595981	6-64	5	299	12,804	4.22	540	21	8,832	4.73	418	3-72		32	624	-.12	19	34
64-08-9107	2653653	597613	2-65	4	305	10,807	4.67	505	19	7,217	4.91	354	1-71		35	522	-.04	22	34
64-12-0102	2306764	572730	9-58	11	302	11,578	4.91	568	21	8,943	4.79	428	10-71		36	470	.02	25	35
64-12-0102	2810325	604694	8-69	1	282	11,090	4.29	476	51	7,880	4.73	373	7-71		34	559	-.04	24	37
64-28-0105	2584579	560800	6-64	5	304	13,396	5.15	690	31	10,790	5.04	544	9-71		44	557	.00	28	40
64-28-0105	2590669	560800	9-64	6	303	13,142	4.71	619	24	10,763	5.12	551	2-72		44	527	-.08	18	31
64-28-0105	2619210	560800	12-65	5	298	13,868	5.16	716	23	11,452	5.12	586	2-72		44	540	.00	27	39
64-28-0105	2703025	564125	9-66	4	296	17,243	4.76	821	31	11,163	4.99	557	11-71		43	835	-.05	37	56
64-28-0105	2813622	586263	12-69	1	305	22,040	5.75	1268	16	13,330	5.03	671	3-72		35	586	.09	38	49
64-36-0123	2543672	596544	9-63	6	300	10,580	5.00	529	47	7,265	5.23	380	11-71		35	473	-.02	22	32
64-36-0123	2579770	596544	10-64	4	305	11,258	5.25	591	55	8,033	5.12	411	11-71		34	450	.04	26	35
64-38-0102	2756904	560800	6-67	3	303	11,460	5.10	584	44	8,403	5.25	441	12-71		42	550	-.02	25	37
64-38-0102	2764869	560800	7-68	2	305	10,680	5.56	594	55	8,625	5.36	462	10-71		40	414	.01	22	31
64-38-0102	2766422	560800	8-68	2	297	11,420	5.20	594	33	9,150	5.25	480	3-72		40	441	-.01	21	31
64-38-0102	2794077	596832	3-69	1	281	12,290	5.06	622	50	9,110	5.38	490	7-71		30	556	-.09	19	32
64-48-0107	2614189	589136	9-65	3	305	11,827	4.87	576	12	8,763	4.87	427	12-71		38	571	-.01	27	39
64-48-0107	2741316	595265	6-67	3	301	12,920	4.36	563	11	8,883	4.84	430	10-71		37	663	-.13	20	36
64-48-0110	2679357	595265	1-66	5	305	13,168	4.70	619	76	10,538	4.78	504	3-72		39	541	-.07	20	33
64-48-0110	2693251	602658	9-66	2	305	12,520	4.58	574	73	10,025	4.76	477	12-71		34	757	-.14	24	43
64-48-0110	2693269	602658	10-66	3	305	12,080	4.64	561	77	9,450	4.90	463	4-71		37	787	-.14	25	44
64-48-0110	2693275	602658	11-66	3	305	11,580	4.35	504	94	9,386	4.83	453	10-71		37	731	-.18	19	36
64-48-0110	2693276	602658	11-66	3	304	15,363	4.44	682	91	10,153	4.83	490	10-71		37	1,122	-.18	37	64
64-48-0110	2693279	602658	11-66	3	305	13,180	4.40	580	70	9,643	4.80	463	5-71		37	904	-.18	27	50
64-48-0110	2693283	602658	11-66	3	237	11,593	4.53	525	87	9,676	4.84	468	2-71	8	37	699	-.15	20	36
64-48-0110	2693288	602658	11-66	3	305	12,640	4.56	577	87	9,433	4.81	454	1-71		37	859	-.15	28	49
64-48-0110	2693294	602658	12-66	3	305	15,303	4.19	641	76	9,580	4.83	463	4-71		37	1,180	-.23	35	64
64-48-0110	2693302	602658	12-66	3	305	12,786	4.48	573	66	9,783	4.79	469	5-71		37	838	-.16	26	47
64-48-0110	2717886	600873	1-67	3	301	12,463	5.01	624	94	9,663	4.72	456	9-71		38	463	.05	28	37
64-48-0110	2718063	602658	12-66	3	305	13,536	4.57	619	94	9,276	4.94	458	8-71		37	991	-.16	33	57
64-48-0110	2718065	602658	12-66	2	305	13,465	4.49	604	80	9,360	4.88	457	6-71		34	929	-.17	29	52
64-48-0110	2718068	602658	1-67	3	305	14,256	4.47	637	75	9,730	4.79	466	8-71		37	1,030	-.17	34	59
64-48-0110	2718071	602658	1-67	4	300	11,732	4.81	564	76	10,380	4.77	495	2-72		38	638	-.10	22	37
64-48-0110	2718073	602658	2-67	3	305	12,036	4.73	569	82	10,050	4.81	483	8-71		37	713	-.12	24	41
64-48-0110	2718075	602658	1-67	3	305	13,513	4.31	582	78	9,840	4.76	468	7-71		37	923	-.19	27	50
64-48-0110	2718076	602658	1-67	3	305	13,430	4.52	607	67	9,996	4.75	475	4-71		37	895	-.15	29	51
64-48-0110	2718085	602658	2-67	2	305	11,705	4.60	539	68	10,015	4.71	472	6-71		34	667	-.13	20	37
64-48-0110	2718097	602658	12-66	3	305	13,966	4.25	594	71	9,973	4.74	473	6-71		37	966	-.20	28	52
64-48-0110	2718102	602658	2-67	3	305	11,866	4.54	539	80	9,840	4.80	472	9-71		37	715	-.15	21	39
64-48-0110	2741303	602658	12-66	3	305	12,906	4.47	577	78	9,836	4.75	467	9-71		37	847	-.16	26	47
64-48-0110	2741327	602658	3-67	3	305	11,110	4.68	520	93	9,990	4.78	478	10-71		37	602	-.12	18	33
64-48-0110	2741330	602658	12-67	2	305	11,855	4.76	564	106	9,545	4.96	473	9-71		34	731	-.13	23	41
64-48-0110	2755049	602658	11-67	2	305	13,745	4.56	627	98	9,540	4.91	468	8-71		34	942	-.16	31	54
64-48-0110	2755053	602658	11-67	2	305	14,100	4.29	605	86	10,015	4.74	475	2-71		34	934	-.19	27	50
64-48-0110	2770629	602658	1-67	2	305	12,695	4.55	577	77	9,800	4.77	467	6-71		34	799	-.15	25	45
64-48-0110	2770642	602658	3-68	2	305	13,225	3.93	520	104	9,105	4.78	435	9-71		34	928	-.24	22	46
64-48-0110	2770761	602658	11-68	2	206	12,185	4.30	524	101	10,065	4.73	476	12-71	8	34	716	-.18	18	36
64-48-0110	2780517	563805	3-69	1	305	13,200	4.98	658	119	10,730	4.78	513	12-71		34	478	.04	28	37
64-48-0110	2781654	584458	10-67	3	305	12,867	4.62	595	111	9,830	4.79	471	12-71		42	603	-.08	22	36
64-48-0110	2790259	602658	11-68	2	305	12,555	4.32	543	89	10,185	4.70	479	2-72		34	745	-.17	20	39
64-48-0110	2790320	602658	4-69	1	305	13,330	4.61	615	118	9,990	4.85	485	11-71		29	786	-.15	24	43
64-48-0110	2790325	602658	4-69	1	305	14,420	4.45	641	118	9,990	4.85	485	11-71		29	876	-.17	26	48
64-48-0110	2790335	602658	6-69	1	305	10,830	4.79	519	120	9,570	4.87	466	9-71		29	609	-.13	18	33
64-48-0110	2805147	602658	9-69	1	305	13,680	4.78	654	97	10,340	4.85	501	12-71		29	788	-.13	26	45
64-48-0110	2805161	602658	10-69	1	305	13,620	4.05	552	132	9,740	4.85	472	10-71		29	828	-.21	20	41
64-48-0110	2805162	602658	10-69	1	305	15,080	4.30	648	118	9,990	4.85	485	11-71		29	931	-.19	27	50
64-48-0110	2805168	602658	10-69	1	305	14,130	4.76	672	132	9,740	4.85	472	10-71		29	871	-.13	30	51
64-48-0110	2805169	602658	10-69	1	302	14,710	4.17	614	132	9,740	4.85	472	10-71		29	919	-.21	25	46
64-48-0110	2805171	602658	10-69	1	305	11,500	4.23	486	132	9,740	4.85	472	10-71		29	652	-.18	15	32
64-48-0110	2805180	602658	11-69	1	305	12,500	4.38	548	90	10,640	4.82	513	1-72		29	668	-.16	17	34
64-48-0110	2805670	593816	9-69	1	305	15,630	4.88	763	146	9,960	4.78	476	9-71		35	624	-.02	29	43
64-48-0110	2827838	602658	1-70	1	305	12,270	4.58	562	97	10,340	4.85	501	12-71		29	671	-.15	19	36
64-48-0110	2827856	602658	2-70	1	305	12,940	4.45	576	50	10,410	4.85	505	3-72		29	722	-.16	20	36
64-48-0110	2827866	602658	3-70	1	305	12,750	4.45	567	50	10,410	4.85	505	3-72		29	706	-.16	19	37
64-48-0110	2833159	602658	11-67	2	305	12,305	4.27	526	86	10,015	4.74	475	2-71		34	734	-.18	19	36

TABLE 4. JERSEY USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALV MO-YR	T C D	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
64-48-0110	2837701	602658	11-68	2	303	11,435	4.49	513	101	10,045	4.71	473	1-72		34	634	-.15	17	$ 33
64-48-0111	2500026	568016	8-62	5	305	11,274	4.85	547	57	8,142	4.93	401	9-70		38	476	.00	24	34
64-48-0111	2693252	595265	9-66	3	305	15,103	4.30	649	71	8,623	4.80	414	9-71		37	969	-.16	32	56
64-48-0111	2693253	595265	9-66	4	300	14,900	4.16	620	81	8,582	4.91	421	11-71		38	997	-.19	30	55
64-48-0111	2693298	602658	12-66	3	305	12,456	4.59	572	60	8,930	4.84	432	4-71		37	893	-.14	30	52
64-48-0111	2718094	602658	2-67	2	305	12,630	4.49	567	56	9,275	4.67	433	9-70		34	845	-.15	27	48
64-48-0111	2741306	602658	6-67	1	305	14,950	3.93	587	52	8,830	4.61	407	4-71		29	1,007	-.22	28	53
64-48-0111	2756197	606739	1-68	2	305	13,825	4.41	609	66	9,430	4.62	436	4-71		29	513	-.05	21	33
64-48-0111	2770760	602658	11-68	1	305	13,250	4.92	652	88	8,750	4.91	430	12-71		29	872	-.11	32	53
64-48-0111	2790292	604694	1-69	1	305	13,770	4.18	576	82	9,230	4.68	432	2-71		34	672	-.07	27	43
64-48-0111	2790322	608696	4-69	1	305	14,590	4.25	620	110	8,710	4.88	425	11-71		19	554	-.10	18	32
64-48-0111	2805165	602658	10-69	1	305	11,980	4.60	551	99	8,560	4.91	420	11-71		29	780	-.15	24	43
64-48-0111	2805173	602658	10-69	1	305	11,200	4.79	536	115	8,310	4.87	405	10-71		29	734	-.13	24	42
64-48-0111	2805192	595265	10-69	1	305	13,270	4.42	587	111	8,380	4.89	410	10-71		29	573	-.11	18	32
64-48-0111	2827823	602658	12-69	1	305	10,040	4.82	484	99	8,560	4.91	420	11-71		29	619	-.13	18	34
64-48-0111	2827827	602658	12-69	1	305	10,970	4.38	481	88	8,750	4.91	430	12-71		29	682	-.17	17	35
64-48-0111	2827837	602658	1-70	1	300	11,110	4.62	513	88	8,750	4.91	430	12-71		29	694	-.15	20	37
64-48-0111	2827849	602658	2-70	1	305	10,570	5.03	532	60	9,350	4.90	458	1-72		29	604	-.11	19	34
64-48-0111	2827868	602658	3-70	1	285	13,630	4.25	579	29	9,470	4.94	468	3-72		29	849	-.19	23	45
64-48-0111	2827869	602658	3-70	1	305	12,950	4.22	547	45	9,360	4.94	462	2-72		29	801	-.20	20	41
64-48-0111	2827870	602658	1-70	1	305	12,520	4.30	538	99	8,560	4.91	420	11-71		29	825	-.18	23	44
64-48-0111	2841202	602658	3-70	1	293	12,300	4.19	515	29	9,470	4.94	468	3-72		29	739	-.20	17	36
64-48-0111	2841205	602658	4-70	1	174	11,430	4.27	488	18	9,270	4.99	463	4-72	B	29	682	-.19	15	33
64-50-0103	2702147	560800	9-66	3	305	12,547	5.40	678	16	10,417	4.88	508	7-71		42	466	.06	29	38
64-50-0103	2702148	560800	9-66	3	305	11,750	5.05	593	15	9,147	4.95	453	1-71		42	506	.00	25	36
64-50-0103	2702149	560800	9-66	3	305	12,557	4.89	614	19	9,737	4.99	486	8-71		42	538	-.03	24	36
64-50-0106	2515746	564125	1-63	7	295	12,027	5.23	629	33	8,683	5.14	446	8-71		44	483	.03	27	37
64-50-0106	2585180	598505	8-64	5	305	12,914	4.62	596	25	8,938	5.02	449	12-71		39	616	-.07	24	38
64-50-0106	2589093	598505	1-65	5	305	11,556	5.70	659	35	8,716	5.11	445	11-71		39	451	.11	33	41
64-50-0106	2685205	598505	4-66	4	305	11,613	5.48	636	43	9,095	5.12	466	12-71		37	394	.07	26	35
64-50-0106	2700895	563805	12-66	4	305	13,743	4.56	626	34	10,198	4.85	495	4-72		42	707	-.03	32	[illegible]
64-50-0106	2720285	563805	6-67	3	300	13,683	5.28	723	39	10,683	5.20	556	10-71		41	622	.05	36	[illegible]
64-58-0102	2491475	592813	9-62	8	290	11,553	4.60	532	42	8,231	4.53	373	10-71		35	593	-.02	28	[illegible]
64-58-0102	2785445	584562	6-68	2	305	13,725	4.04	555	23	8,830	4.19	370	1-72		39	530	-.06	21	[illegible]
64-61-0107	2546121	547848	10-63	4	305	12,053	5.22	629	44	9,343	4.73	442	2-72		36	348	.12	29	34
64-61-0107	2634555	599491	12-65	3	305	11,093	5.44	604	59	8,203	4.80	394	11-71		32	437	.10	31	34
64-61-0107	2634569	599491	4-66	3	305	12,510	4.71	589	32	8,410	4.51	379	5-71		32	603	.01	31	44
64-61-0107	2681639	599491	9-66	3	305	11,760	4.89	575	51	8,943	4.76	426	1-72		32	437	.01	23	32
64-61-0107	2759541	560800	12-67	3	305	14,270	4.62	659	51	10,533	4.80	506	2-72		42	654	-.06	[illegible]	42
64-61-0111	2523844	589772	3-63	4	305	11,570	4.55	527	67	8,282	4.81	398	9-70		37	532	-.07	[illegible]	[illegible]
64-61-0111	2579092	589728	7-64	4	302	12,930	4.58	595	95	8,952	4.80	430	6-71		35	548	-.07	25	[illegible]
64-61-0111	2669717	589728	10-65	2	305	12,360	5.00	618	123	8,795	4.66	410	10-71		31	501	.01	26	37
64-61-0111	2766498	601005	5-68	2	305	11,880	4.73	562	99	8,475	4.71	399	8-71		30	453	-.02	21	[illegible]
64-61-0111	2788741	604694	11-68	1	305	13,790	4.51	622	145	9,390	4.71	442	10-71		34	662	-.03	30	[illegible]
64-61-0111	2817684	613545	7-69	1	305	17,360	4.25	738	140	10,290	4.64	477	1-72		19	682	-.09	25	41
64-61-0111	2831873	613545	8-69	1	303	16,520	4.20	694	74	10,700	4.53	485	3-72		19	567	-.08	[illegible]	[illegible]
64-61-0111	2831889	604694	9-69	1	298	14,600	4.63	676	143	10,410	4.63	482	1-72		34	654	-.02	31	45
64-61-0111	2834737	591239	10-69	1	305	15,560	4.54	706	131	9,850	4.63	461	12-71		31	565	[illegible]	[illegible]	[illegible]
64-61-0111	2864338	604694	12-68	1	305	15,860	4.51	716	115	8,900	4.55	405	7-71		34	655	-.03	[illegible]	[illegible]
64-61-0112	2411957	585867	10-60	7	305	13,031	4.93	642	72	8,628	4.91	424	2-71		38	654	-.02	31	45
64-61-0112	2454655	589728	10-61	7	305	13,472	4.85	654	79	9,331	4.87	454	5-71		36	692	-.03	31	[illegible]
64-61-0112	2748785	601005	9-67	2	305	18,350	4.72	866	20	11,720	5.04	591	6-71		30	675	-.08	35	[illegible]
64-61-0112	2773480	601005	6-68	2	191	16,625	4.94	822	12	11,705	4.78	560	3-72	B	30	671	.01	34	[illegible]
64-61-0112	2832401	604694	12-69	1	305	18,610	4.22	785	23	11,850	4.89	580	12-71		34	863	-.1[illegible]	33	53
64-99-0102	2585953	549809	8-64	4	302	14,023	4.76	668	10	9,913	5.00	496	12-71		42	779	-.11	23	[illegible]
65-02-0051	2490012	502114	8-62	6	303	14,937	4.63	692	9	9,260	4.69	434	4-71		43	911	-.03	37	58
65-02-0051	2814457	583958	10-69	1	305	13,110	4.53	594	37	9,660	4.90	473	12-71		35	526	-.06	20	32
65-02-0051	2822369	585350	3-70	1	305	12,980	5.13	666	32	9,810	4.85	476	1-72		35	418	.15	35	41
65-02-0051	2823235	585350	2-70	1	305	11,970	5.04	603	23	10,110	4.87	492	2-72		35	321	.14	29	34
65-03-0049	2682644	601948	10-65	4	298	14,457	4.88	705	32	9,977	4.88	487	8-71	B	34	775	-.01	33	55
65-03-0050	2548147	563805	2-64	6	301	11,585	5.12	593	13	8,820	5.01	442	7-71		43	602	.04	34	46
65-03-0050	2554397	563805	1-64	6	300	10,208	4.84	494	19	8,483	5.06	429	8-71		43	460	.01	23	33
65-03-0431	2609751	549809	10-65	3	301	12,613	5.01	632	12	10,193	5.13	523	9-71		41	552	-.09	19	32
65-03-0431	2772850	578382	9-68	2	305	12,520	5.71	715	6	11,510	5.01	577	12-71		39	430	.01	22	31
65-05-0035	2504388	583147	8-62	5	301	13,320	4.03	537	29	8,313	4.96	412	3-71		36	723	-.21	15	34
65-05-0035	2803224	580836	7-69	1	305	15,020	4.33	651	30	9,420	4.67	440	1-72		35	497	-.02	23	34
65-08-0022	2447845	562061	12-61	8	300	11,658	5.17	603	24	8,384	4.88	409	12-71		40	461	.10	33	41
65-08-0022	2538362	589199	9-62	6	298	10,230	5.00	511	35	7,875	4.93	388	9-71		37	399	.03	23	31
65-08-0022	2538366	589199	8-63	7	294	11,081	4.91	544	49	7,731	5.02	388	9-71		37	542	.01	28	39
65-09-0011	2818097	584458	8-68	1	305	13,030	4.29	559	24	8,810	4.99	440	6-71		35	562	-.11	18	32
65-11-0021	2791433	585350	5-69	1	305	10,180	4.85	494	13	7,800	5.09	397	11-71		35	343	.10	27	33
65-14-0004	2405217	567063	12-60	4	297	13,823	4.94	683	29	9,543	4.76	454	8-71		42	579	.02	31	43
65-14-0004	2493781	591172	8-62	2	305	13,280	4.80	638	29	9,400	4.83	454	2-71		25	494	-.01	24	35
65-14-0004	2784862	588114	7-68	2	300	14,070	4.90	689	28	10,060	4.71	474	10-71		35	467	.02	25	35
65-17-0002	2656134	590105	10-65	4	305	13,355	4.67	624	35	9,703	4.85	471	1-71		30	563	-.04	24	37
65-17-0002	2693297	602658	12-66	3	305	15,786	4.60	726	39	10,126	4.82	488	1-72		37	1,179	-.15	43	71
65-17-0017	2356282	533161	7-59	9	296	11,341	4.34	492	17	7,670	4.45	341	3-72		35	614	-.06	25	39
65-17-0035	2548582	557370	6-63	5	299	12,424	4.67	580	22	9,770	4.89	478	1-71		44	516	-.06	20	32
65-17-0035	2649225	598525	9-65	4	298	11,727	4.71	552	34	8,720	4.83	421	6-71		36	535	-.01	26	36
65-17-0035	2828918	585350	10-69	1	301	10,210	5.18	529	22	7,530	4.66	351	11-71		35	363	.16	33	36
65-18-0001	2485485	574246	3-61	4	299	12,595	4.61	581	35	8,735	4.73	413	7-71		40	673	-.06	28	43
65-18-0001	2493652	567063	7-62	7	300	11,304	4.88	552	29	8,269	4.69	388	12-71		43	422	.02	23	32
65-18-0001	2592089	563805	2-64	5	305	10,914	5.20	567	30	9,222	4.72	435	2-71		43	465	.09	32	40
65-18-0004	2470395	559353	5-60	7	305	15,534	4.40	684	32	9,686	4.75	460	1-71		36	358	-.09	34	54
65-18-0004	2741333	602658	11-67	3	305	13,170	4.27	563	72	10,113	4.86	491	2-72		37	849	-.2	22	44

TABLE [illegible] HIGH RANK [illegible] (CONTINUED)

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW [illegible] PRODUCTION. REC	DAYS	MILK (LB)	FAT (%)	FAT (LB)	[illegible]HERDMATE AVERAGES. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVED MO-YR	REPT (%)	.......C O W MILK (LB)	I N D E X....... FAT (%)	FAT (LB)	DOLLARS
65-18-0004	2759990	598525	1-68	2	285	11,955	5.02	600	44	9,055	4.78	433	8-71	32	460	.04	27	$ 36
65-18-0004	2790359	607584	10-68	2	305	13,035	4.66	608	37	9,690	4.87	472	12-71	29	468	-.03	20	31
65-18-0008	2730881	576127	6-67	3	303	13,650	4.39	599	21	9,677	4.96	480	6-71	41	568	-.04	24	37
65-18-0014	2455125	567971	7-61	6	300	13,438	4.70	632	32	8,950	4.93	441	2-71	37	540	-.03	24	36
65-18-0014	2757245	584458	3-68	2	282	11,325	5.13	581	39	9,095	5.00	455	7-71	40	475	-.03	21	32
65-18-0014	2762175	541866	2-61	3	305	13,003	5.32	692	52	9,993	5.09	509	1-72	42	379	.07	26	33
65-18-0014	2762219	612307	11-65	4	298	12,868	5.14	661	38	10,328	4.92	508	12-71	30	404	.04	24	32
65-18-0014	2763475	604767	8-67	3	305	13,193	4.80	633	31	9,726	5.12	498	4-72	32	562	-.04	24	37
65-18-0014	2763490	604787	10-67	2	305	13,265	5.04	668	43	8,995	5.01	451	9-71	29	599	.01	31	44
65-18-0014	2769725	604787	8-67	3	305	12,336	4.86	599	45	9,193	5.07	465	12-71	32	511	-.03	23	34
65-18-0014	2772528	595550	2-68	2	305	16,205	4.05	656	48	9,685	5.05	489	12-71	39	770	-.13	25	44
65-18-0014	2845905	595550	9-68	2	305	13,660	5.22	713	55	10,020	5.23	524	11-71	39	475	.04	28	37
65-18-0014	2852913	595550	4-69	2	294	12,905	5.96	769	37	10,005	5.14	514	3-72	39	399	.16	35	41
65-21-0002	2390752	519827	9-59	6	292	12,183	4.93	601	91	9,332	4.96	463	8-71	42	595	-.04	26	39
65-21-0002	2410741	574790	2-61	6	260	13,055	5.09	664	70	8,963	4.98	446	9-71 B	36	658	.01	34	48
65-21-0002	2583063	563805	6-64	5	300	10,882	4.90	533	104	9,456	4.94	467	10-71 B	43	433	.01	23	32
65-21-0002	2626488	563805	8-65	4	301	13,215	4.99	660	87	10,273	4.96	510	1-71	42	631	.04	35	48
65-21-0002	2626505	599360	8-65	3	304	13,060	4.84	632	87	9,633	4.84	466	6-71	29	495	-.01	24	35
65-21-0002	2663247	598525	11-65	4	284	12,710	4.60	585	78	10,240	4.89	501	11-71 B	36	481	-.04	20	31
65-21-0002	2663270	598525	1-66	4	276	12,932	4.92	636	93	10,020	4.91	492	1-72 B	36	539	.01	28	39
65-21-0002	2788172	598525	10-68	1	305	14,010	4.58	642	83	10,090	4.81	485	4-71	26	464	-.01	23	34
65-21-0002	2793159	563805	12-68	1	305	11,410	5.18	591	82	9,920	4.82	478	5-71	34	397	.06	26	33
65-21-0003	2583068	598525	8-64	4	296	11,462	4.84	555	55	8,270	4.95	409	8-70	36	554	.03	28	4[illegible]
65-21-0003	2625444	563805	8-63	4	289	10,440	5.01	523	44	8,443	5.01	423	3-71	42	468	.03	27	37
65-24-0001	2744252	601948	11-66	2	305	11,130	4.65	517	36	8,065	4.84	390	8-71	29	476	-.03	21	32
65-24-0005	2551405	575184	9-63	7	301	12,557	5.08	638	39	8,849	5.15	456	1-72	44	544	-.03	24	36
65-24-0005	2666314	575184	1-66	5	290	12,712	5.00	635	45	9,010	5.18	467	11-71	44	545	-.05	22	35
65-24-0005	2683949	575184	8-65	4	300	11,643	5.57	649	38	8,743	5.16	451	2-72	44	423	.04	25	33
65-24-0005	2706202	584458	9-66	4	294	12,048	5.20	627	50	8,738	5.16	451	9-71	43	643	-.02	30	44
65-24-0005	2752601	584458	9-67	3	305	11,230	5.07	569	31	8,427	5.08	428	7-71	42	559	-.04	24	37
65-24-0005	2756451	584458	12-67	3	301	12,823	4.95	635	34	9,977	5.14	513	4-72	42	582	-.06	23	36
65-24-0005	2756452	584458	12-67	3	290	12,343	5.01	619	37	10,117	5.11	517	2-72	42	512	-.06	20	32
65-24-0005	2763612	584458	2-68	2	305	13,510	4.80	649	41	9,310	5.05	470	9-71	40	579	-.07	27	43
65-24-0005	2822544	583958	11-69	1	303	13,150	5.10	671	57	9,630	5.10	491	11-71	35	531	-.03	24	36
65-24-0006	2863984	583958	5-70	1	305	13,860	4.59	636	33	10,350	4.74	491	2-72	35	536	-.06	21	33
65-25-0003	2869768	583958	12-69	1	305	12,730	4.56	580	8	9,130	4.75	434	3-72	35	534	-.06	21	33
65-46-0004	2798483	580836	11-68	2	305	13,775	4.85	668	15	9,525	4.82	459	12-71	39	506	.03	28	38
65-46-0016	2759905	595550	6-68	2	298	14,450	4.80	694	20	11,175	4.77	533	2-72	39	450	.03	25	34
65-57-0001	2275355	544262	1-58	6	298	10,212	5.36	547	26	7,928	4.81	381	8-71	34	430	.08	29	37
65-57-0001	2822737	583958	12-69	1	305	12,380	4.50	557	40	9,020	4.81	434	11-71	35	515	-.07	19	31
71-03-0008	2504809	587005	8-62	8	305	10,923	5.27	576	16	8,801	4.82	424	9-71	35	366	.08	26	32
71-27-0014	2731687	557569	7-67	2	305	12,330	4.31	531	13	8,375	4.68	392	3-71	36	760	-.12	26	44
72-07-0001	2564885	596407	11-65	5	303	13,336	4.36	582	42	9,472	4.70	445	12-71	42	598	-.08	22	36
72-07-0005	2766072	602754	10-68	2	305	12,450	4.39	547	46	9,430	4.76	449	1-72	36	[illegible]4	-.05	27	41
72-07-0005	2771798	602754	11-68	1	305	12,680	4.48	568	19	9,220	4.61	425	7-71	32	[illegible]	-.[illegible]2	28	41
72-14-0002	2676243	556095	9-66	2	305	12,130	5.24	636	29	9,650	4.95	478	4-71	40	417	.01	22	31
72-14-0002	2740619	584458	7-67	2	305	12,915	4.64	599	30	9,080	4.89	444	7-71	40	642	-.08	24	39
72-28-0014	2533798	497574	11-63	2	305	11,410	4.15	474	10	8,345	4.54	379	4-71	4	517	-.06	23	33
72-28-0014	2790334	602658	5-69	1	296	13,280	3.62	481	27	8,310	4.62	384	10-71	29	917	-.24	21	45
72-31-0102	2725150	604087	5-67	3	291	12,050	4.66	562	20	8,650	4.66	403	9-71	31	[illegible]	-.01	24	35
72-31-0102	2725159	602754	8-67	3	298	10,686	4.52	483	21	8,773	4.74	416	8-71	39	524	-.03	23	35
72-37-0103	2529515	596407	8-63	3	305	14,203	5.10	725	12	10,210	4.68	478	1-72	40	569	.06	34	45
72-37-0103	2663624	580714	12-65	4	305	12,575	4.57	575	14	10,187	4.77	486	3-71	39	465	.01	24	34
72-46-0001	2737397	602754	7-67	3	298	11,293	4.41	498	34	8,840	4.59	406	7-71	39	591	-.03	26	39
72-46-0001	2737399	584458	6-67	2	305	13,615	4.13	562	18	8,220	4.68	385	3-72	40	760	-.13	26	45
72-53-0025	2800392	585350	8-69	1	305	10,750	4.54	488	21	8,960	4.17	374	11-71	35	306	.13	28	32
73-02-0007	2585690	564125	10-64	5	256	14,080	4.99	703	35	10,334	5.20	537	1-72 B	44	557	-.02	26	38
73-02-0007	2740584	560800	2-67	3	293	12,733	5.33	679	26	10,647	5.27	561	7-71 B	42	463	.00	23	33
73-02-0007	2740599	578362	8-67	3	243	14,767	5.19	767	39	10,373	5.38	558	11-71 B	41	517	-.09	32	51
73-23-0002	2525395	592911	5-63	6	305	12,325	5.65	696	45	8,812	5.06	446	11-71	35	523	.15	46	57
73-23-0002	2525398	592911	7-63	7	294	10,834	5.42	587	45	9,403	5.01	471	1-72	35	325	.10	26	31
73-23-0002	2575860	592911	1-65	5	305	12,242	5.57	682	46	8,790	4.98	438	7-71	35	523	.14	45	56
73-23-0002	2583447	592911	3-65	5	303	11,622	5.36	623	49	9,030	4.96	450	5-71	35	469	.11	35	44
73-23-0002	2583448	592911	3-65	5	301	10,864	5.33	579	47	6,960	4.97	445	4-71	35	391	.09	28	35
73-23-0002	2789106	C10131669	10-66	2	305	16,830	4.68	788	41	9,220	5.09	469	3-71	25	763	-.07	41	63
73-36-0015	2723705	576127	10-67	3	300	11,130	4.79	533	36	8,530	4.77	407	10-71	41	394	.05	24	32
73-36-0015	2803500	585350	7-69	1	305	12,000	4.99	599	34	9,160	4.63	424	12-71	35	388	.14	33	34
73-36-0015	2835588	583958	2-70	1	305	14,200	4.10	582	25	9,560	4.64	444	2-72	35	515	-.10	21	36
73-45-0007	2350155	571021	8-58	9	305	11,209	5.16	578	9	7,936	4.81	382	11-71	36	407	.06	26	34
73-47-0015	2723435	604909	5-67	3	305	14,253	6.11	871	31	11,550	5.43	627	4-71	33	743	.18	55	66
73-50-0020	2727705	560800	9-67	2	305	12,305	4.59	567	10	8,600	5.02	432	12-71	40	583	-.07	22	34
73-60-0020	2802801	585350	9-69	1	305	10,660	4.94	527	7	8,540	5.05	431	7-71	35	323	.11	27	32
73-70-0024	2589223	563813	11-64	5	289	11,268	5.34	602	7	9,130	5.04	460	11-71 B	44	365	.08	26	30
74-04-0115	2605510	598262	12-64	5	304	14,096	4.97	700	46	10,226	4.74	485	4-71	35	595	.04	39	52
74-04-0115	2705572	598262	1-66	4	305	13,020	4.76	620	43	9,805	4.77	468	5-71	34	571	.00	28	4[illegible]
74-04-0115	2733852	608781	11-67	2	292	14,800	4.34	643	52	10,290	4.66	479	6-71	28	578	-.09	25	41
74-05-0043	2401051	549126	12-60	5	302	11,762	5.02	591	56	9,194	4.69	431	2-72	43	409	.08	28	35
74-05-0043	2523310	575184	5-63	5	305	13,004	4.31	561	75	8,426	4.69	395	9-71	44	559	-.12	21	37
74-05-0043	2724274	590318	8-67	3	295	11,763	5.36	631	114	9,303	4.56	424	2-72	40	402	.04	24	32
74-10-0190	2400184	555023	2-57	10	303	11,206	5.42	607	25	8,881	4.97	441	3-71	38	353	.08	25	31
74-10-0190	2802564	578382	6-68	2	305	13,940	4.58	639	45	11,455	4.69	537	5-71	39	562	-.11	18	32
74-10-0190	2806992	603193	5-69	1	305	17,420	4.57	796	39	11,860	4.73	561	4-71	24	876	-.07	27	43
74-10-0220	2517354	499207	1-62	3	305	13,730	4.50	618	12	8,837	4.80	424	8-71	42	574	-.05	24	37
74-10-0220	2773655	578382	10-68	2	305	14,795	4.37	646	26	10,545	4.75	501	4-72	39	755	-.16	22	41
74-10-0220	2794066	578382	3-69	1	305	14,030	4.26	598	30	9,840	4.69	464	5-71	35	543	-.14	18	34

TABLE 4. JERSEY USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C O	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOLLARS
74-14-0123	2508985	587883	11-62	4	304	13,983	4.48	627	28	9,423	4.88	460	9-71		33	807	-.09	31	$ 50
74-14-0123	2838415	604909	8-68	1	305	12,900	4.54	586	28	11,140	4.95	551	2-71		24	570	-.01	27	39
74-15-0162	2507466	563805	11-62	7	303	12,297	4.11	505	37	9,987	4.71	470	3-71		43	557	-.09	19	32
74-15-0162	2507467	563805	1-63	7	305	11,591	5.19	602	37	9,647	4.71	454	7-71		43	504	.09	34	43
74-15-0162	2590445	563805	12-64	5	305	12,828	4.78	613	43	9,538	4.75	453	9-71		43	682	.02	36	50
74-15-0162	2709175	563805	1-67	3	305	13,033	4.27	557	35	10,777	4.69	505	4-71		41	535	-.05	22	34
74-15-0162	2774284	609485	8-68	2	305	12,625	5,03	635	36	9,995	4.69	469	1-72		29	524	.03	29	40
74-15-0162	2774286	609485	9-68	2	305	12,910	4.49	580	44	9,725	4.71	458	12-71		29	587	-.06	23	37
74-15-0162	2774291	609485	10-68	2	297	12,860	5.17	665	29	10,460	4.70	492	1-72		29	502	.05	30	40
74-15-0162	2793837	609485	1-69	2	305	14,220	4.26	606	35	10,925	4.88	533	4-72		29	615	-.13	18	33
74-15-0162	2793848	609485	4-69	2	304	13,195	4.80	634	28	10,780	4.72	509	1-72		29	508	-.01	24	35
74-15-0162	2824215	609485	11-69	1	305	14,300	4.50	644	51	9,340	4.79	447	10-71		24	663	-.06	27	42
74-15-0162	2825534	609485	1-70	1	305	15,010	4.91	737	33	10,950	4.65	509	1-72		24	597	.01	31	44
74-15-0162	2872972	609485	8-68	1	305	13,880	4.83	670	23	11,130	4.65	517	2-72		24	481	.00	24	34
74-16-0116	2454767	560800	11-61	8	305	12,795	4.71	603	25	9,180	4.88	448	5-71		44	667	-.05	28	43
74-16-0116	2679494	560800	7-66	4	269	11,985	4.51	540	37	9,398	4.67	439	8-71	A	43	523	-.05	21	33
74-16-0116	2764771	604618	4-68	1	305	13,420	5.10	684	49	9,730	4.67	454	11-70		23	418	.05	26	34
74-16-0147	2423901	574480	11-60	3	300	12,743	4.61	587	36	9,943	4.43	440	3-71		32	473	.00	24	34
74-16-0147	2612865	574480	6-61	4	305	14,545	4.47	650	33	9,780	4.59	449	2-72		33	780	-.06	33	51
74-16-0147	2612865	574480	6-61	4	292	12,495	4.82	602	41	9,740	4.49	437	9-71		33	487	.04	28	38
74-16-0147	2612874	574480	6-62	4	303	12,842	4.73	608	40	9,460	4.48	424	11-71		33	575	.02	31	43
74-16-0147	2612903	591904	8-65	3	290	13,523	4.29	580	39	9,767	4.50	440	9-71		32	563	-.09	19	33
74-18-0133	2586530	594043	7-63	6	303	12,390	4.21	522	23	8,370	4.73	396	9-70		35	641	-.12	20	36
74-18-0133	2607191	553904	2-65	5	305	11,634	4.79	557	36	9,060	4.58	415	8-71		41	389	.07	26	33
74-18-0133	2804732	593816	8-69	1	305	12,500	4.71	589	28	8,670	4.44	385	2-72		35	473	-.02	22	32
74-25-0136	2584316	589136	10-64	5	299	11,984	5.44	652	50	9,902	5.47	542	8-71		41	487	.01	25	35
74-25-0136	2642965	563805	2-66	4	305	15,390	4.89	753	53	9,500	5.44	517	10-71		42	996	-.04	46	68
74-25-0136	2667715	532144	8-60	3	305	13,096	5.33	698	52	9,930	5.42	538	10-71		32	412	.05	25	33
74-25-0136	2670109	602434	1-63	2	298	13,205	5.83	770	56	9,785	5.33	522	8-71		30	561	.11	39	49
74-25-0136	2670125	602434	7-64	2	305	12,715	5.36	682	49	9,700	5.37	521	9-71		30	511	.03	28	38
74-25-0136	2670130	602434	10-64	3	305	13,410	5.30	711	17	10,776	5.41	583	1-72		33	514	.01	27	38
74-25-0136	2670133	602434	10-64	2	305	13,800	5.52	762	14	11,115	5.30	589	2-72		30	489	.07	31	40
74-25-0136	2712712	602434	5-66	3	305	11,793	5.90	696	29	9,810	5.51	541	1-71		33	414	.10	30	37
74-25-0136	2712713	602434	8-66	4	303	11,370	5.35	608	45	9,302	5.47	509	9-71		35	436	.01	23	32
74-25-0136	2739715	602434	9-67	3	305	13,646	5.20	710	43	9,713	5.35	520	11-71		33	674	.01	35	49
74-25-0136	2739716	602434	9-67	3	305	12,170	5.14	626	53	9,500	5.37	510	9-71		33	502	.00	25	36
74-25-0136	2803081	602434	7-69	1	305	11,380	6.14	699	56	9,420	5.28	497	8-71		24	335	.12	28	33
74-25-0136	2824703	602434	8-68	2	305	16,060	4.99	802	51	9,650	5.33	514	7-71		30	915	-.03	43	63
74-25-0136	2825298	602434	8-68	2	297	12,380	5.02	621	45	9,800	5.34	523	6-71		30	461	-.02	21	31
74-25-0136	2846807	602434	4-69	1	305	12,150	5.56	676	58	9,440	5.25	496	7-71		24	402	.06	26	34
74-25-0199	2443937	585350	12-60	4	305	21,300	5.69	1211	21	12,905	5.63	727	8-71		42	1,256	.19	82	105
74-25-0199	2443946	585350	6-61	6	305	16,688	5.78	964	19	12,767	5.51	704	4-71		43	711	.20	55	67
74-25-0199	2561095	585350	1-62	5	305	14,392	6.35	914	27	12,830	5.49	704	11-71		43	402	.29	48	52
74-25-0199	2598301	585350	7-63	6	305	15,468	5.76	891	22	12,745	5.52	703	6-71		43	553	.18	45	54
74-25-0199	2598306	594030	8-63	5	305	14,958	5.91	884	40	13,474	5.54	746	10-71		36	304	.12	27	31
74-25-0199	2710757	581394	12-66	4	305	19,882	4.92	978	31	14,215	5.48	779	3-72		36	1,049	-.16	36	61
74-25-0199	2710765	603198	5-66	4	305	15,995	5.41	866	27	14,112	5.48	773	3-72		35	478	-.02	22	33
74-25-0199	2710773	603198	2-66	3	305	18,490	5.40	999	43	13,303	5.50	731	8-71		33	889	.00	44	63
74-25-0199	2710776	604905	7-66	4	305	16,975	5.40	917	31	13,147	5.49	722	11-71		33	684	.03	37	51
74-25-0199	2714481	604905	7-66	4	305	16,725	5.61	938	33	13,890	5.49	763	10-71		33	550	.07	34	45
74-25-0199	2723442	604909	2-67	3	305	16,306	5.45	889	18	13,376	5.45	729	7-71	B	33	798	.05	45	61
74-25-0199	2723443	604909	3-67	3	305	16,133	5.51	889	32	13,123	5.53	726	11-71		33	805	.06	46	62
74-25-0199	2736729	604909	9-67	2	305	17,795	5.45	970	19	13,765	5.60	771	4-71		30	901	.04	49	67
74-25-0199	2736730	604909	8-67	2	305	16,615	5.86	974	19	13,765	5.60	771	4-71		30	761	.11	49	63
74-25-0199	2741137	604909	11-67	2	305	14,630	5.92	866	33	13,125	5.51	723	9-71		30	593	.12	41	52
74-25-0199	2741138	604909	10-67	2	305	18,555	5.71	1060	8	13,695	5.67	776	4-71		30	999	.09	59	79
74-25-0199	2767560	604909	7-68	2	305	19,655	5.29	1039	37	13,610	5.50	749	9-71		30	1,139	.02	59	83
74-25-0199	2767568	604909	7-68	2	272	15,655	5.43	850	34	13,485	5.51	743	10-71	B	30	676	.03	37	51
74-25-0199	2804167	594030	7-68	2	305	16,595	5.65	938	32	13,620	5.51	750	8-71		31	426	.07	28	36
74-25-0199	2804168	604909	9-68	2	305	18,445	4.98	919	15	12,505	5.27	659	11-71		30	1,113	.00	55	79
74-25-0199	2804170	604909	2-69	1	305	17,890	5.58	998	10	14,090	5.61	790	4-71		24	777	.06	45	60
74-25-0199	2804171	604909	1-69	1	305	15,390	5.84	899	10	14,090	5.61	790	4-71		24	555	.09	36	46
74-25-0199	2804173	563805	12-68	1	305	21,810	5.61	1224	12	16,650	5.53	920	1-71		34	731	.08	44	58
74-25-0199	2816515	604909	7-67	2	305	18,175	5.74	1044	31	15,165	5.55	841	1-71		30	796	.10	50	65
74-25-0199	2822166	604909	6-68	2	305	17,460	5.57	973	14	13,965	5.50	768	5-71		30	840	.07	49	66
74-25-0199	2824895	604909	12-68	1	305	15,750	5.03	793	10	14,090	5.61	790	4-71		24	587	-.02	27	40
74-25-0199	2834189	604909	7-69	1	276	15,100	5.05	762	32	13,540	5.40	731	8-71	B	24	573	.00	29	41
74-25-0199	2834192	604909	7-69	1	305	16,100	4.71	758	32	13,540	5.40	731	8-71		24	662	-.05	28	43
74-25-0199	2834195	604909	11-69	1	305	14,950	5.05	755	32	13,540	5.40	731	8-71		24	560	.00	28	40
74-26-0120	2757290	603767	4-68	2	193	13,090	3.84	503	14	8,775	4.67	410	6-71	B	35	591	-.14	16	31
74-33-0173	2584321	563805	10-64	4	291	12,580	5.82	732	36	10,783	5.42	584	6-71		42	492	.11	35	44
74-35-0109	2224561	544382	11-57	8	305	14,306	6.07	869	38	10,570	5.60	592	10-71		38	586	.19	48	57
74-35-0109	2536056	563805	3-63	5	305	12,446	5.34	664	77	8,928	4.84	432	1-71		43	704	.10	45	58
74-35-0109	2683565	604427	8-66	3	304	12,286	5.19	638	76	9,620	4.69	451	4-71		33	447	.09	31	39
74-35-0109	2683567	604427	8-66	3	305	12,716	4.69	597	81	9,780	4.74	464	12-71		33	485	.00	24	34
74-35-0109	2694800	595854	5-66	3	305	14,030	4.22	592	96	9,683	4.75	460	7-71		34	681	-.16	18	35
74-35-0109	2694803	604427	8-66	3	304	11,453	5.04	577	67	9,083	4.70	427	6-71		33	400	.06	26	33
74-35-0109	2697034	604427	4-67	2	305	13,600	5.54	754	77	10,455	4.74	496	1-72		30	477	.14	37	45
74-35-0109	2697049	604427	7-67	2	300	12,805	5.03	644	74	9,475	4.75	450	5-71		30	467	.05	29	39
74-35-0109	2697060	604427	8-67	2	305	12,405	4.57	567	71	9,030	4.76	430	7-71		30	487	-.02	22	33
74-35-0109	2697457	604427	3-69	1	305	13,380	4.99	667	74	8,720	4.84	422	6-71		24	505	.03	28	38
74-35-0109	2723925	604427	7-67	2	255	13,045	5.57	726	63	9,725	5.37	522	8-71		30	489	.07	31	40
74-35-0109	2772454	604427	1-68	2	305	11,820	5.38	636	74	9,245	4.77	441	7-71		30	395	.10	29	36
74-35-0109	2772474	604427	4-67	2	305	14,340	4.71	675	72	9,235	4.76	440	6-71		30	696	-.01	34	49
74-35-0109	2776322	593816	1-69	2	201	14,600	4.49	656	55	10,395	5.19	539	2-72		39	620	-.11	20	35

TABLE 4. JERSEY USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C O	REPT (%)	.......C O W MILK (LB)	I N D E X....... FAT (%)	FAT (LB)	DOL-LARS
74-35-0109	2777914	604427	7-67	2	305	13,130	4.79	629	71	9,260	4.74	439	5-71		30	549	.01	28	$ 40
74-35-0109	2778855	602283	8-68	2	276	15,010	5.18	778	71	10,915	5.09	556	11-71		38	657	-.04	29	44
74-35-0109	2782865	593816	3-69	1	305	12,930	5.38	696	111	9,990	4.81	481	4-71		35	415	.03	24	32
74-35-0109	2807441	593816	8-69	1	305	16,150	4.53	732	130	10,340	4.89	506	11-71		35	637	-.07	25	40
74-35-0109	2807442	593816	8-69	1	305	16,120	4.32	697	113	9,720	4.92	478	10-71		35	678	-.10	24	40
74-35-0109	2827186	604427	9-68	1	305	13,040	5.28	689	74	8,720	4.84	422	6-71		24	475	.07	30	39
74-35-0109	2827193	604427	12-68	1	303	12,140	5.17	628	74	8,720	4.84	422	6-71		24	395	.05	24	32
74-35-0109	2827196	604427	12-68	1	305	16,290	4.91	800	74	8,720	4.84	422	6-71		24	764	.02	40	56
74-35-0109	2827200	604427	1-69	1	305	13,420	4.93	661	74	8,720	4.84	422	6-71		24	509	.02	27	38
74-35-0109	2827225	604427	4-69	1	305	15,420	4.98	768	92	10,760	4.79	515	12-71		24	523	.03	29	40
74-35-0109	2832065	604427	11-68	1	303	12,720	5.03	640	74	8,720	4.84	422	6-71		24	446	.03	25	34
74-35-0109	2833310	604427	11-68	1	305	12,150	5.20	632	74	8,720	4.84	422	6-71		24	396	.06	25	32
74-35-0109	2855737	604427	12-68	2	242	13,865	5.00	693	68	10,670	4.76	508	1-72	B	30	485	.04	28	38
74-35-0200	2690975	602434	9-66	2	305	16,390	4.55	746	16	9,460	4.87	461	3-71		30	975	-.06	42	64
74-35-0200	2718067	602658	1-67	3	238	11,003	4.49	494	39	9,723	4.79	466	11-71		37	619	-.15	16	32
74-35-0200	2783447	604694	9-68	1	305	11,990	4.76	571	14	8,870	5.04	447	11-70		34	559	-.02	26	38
74-35-0206	2831801	604694	1-70	1	305	10,570	5.30	560	49	9,010	5.25	473	1-72		34	440	.01	23	32
74-35-0206	2879348	604694	3-70	1	305	15,920	4.28	682	29	9,500	5.24	498	3-72		34	818	-.10	31	50
74-35-0206	2879353	604694	8-70	1	305	13,310	4.84	644	29	9,500	5.24	498	3-72		34	617	-.03	28	42
74-35-0206	2879369	604694	3-70	1	305	11,150	5.00	558	29	9,500	5.24	498	3-72		34	451	-.02	21	31
74-35-0206	2893483	604694	4-70	1	305	11,290	5.11	577	43	9,160	5.22	478	2-72		34	485	.00	24	34
74-36-0019	2566893	583781	7-64	5	302	10,424	5.22	544	103	8,134	4.78	389	2-71		36	368	.07	25	32
74-36-0019	2586020	560398	8-64	5	302	11,034	4.70	519	102	7,926	4.77	378	1-71		38	497	-.02	23	34
74-36-0019	2612573	592378	8-65	4	293	11,977	4.42	529	80	8,170	4.87	398	8-71		34	557	-.10	18	32
74-36-0019	2690725	596065	7-66	3	305	12,370	4.81	595	72	9,206	4.74	436	12-71		32	433	.00	22	31
74-36-0019	2719064	560398	6-67	2	290	12,300	4.76	585	91	9,005	4.80	432	10-70		32	447	-.01	21	31
74-36-0019	2746849	596065	9-67	2	300	13,445	4.84	651	59	10,055	4.64	467	3-71		29	421	.01	22	31
74-36-0019	2785465	502114	8-68	1	305	14,280	4.58	654	74	9,910	4.55	451	6-71		35	527	-.06	20	32
74-36-0024	2543438	592378	8-63	6	305	13,211	4.89	646	24	9,106	4.80	437	2-72		35	640	.00	32	46
74-39-0011	2752976	595550	12-67	3	298	11,483	4.95	568	12	8,133	4.99	406	1-72		41	466	.03	26	35
74-74-0002	2691766	598380	6-66	3	305	13,523	5.24	709	54	10,973	4.89	537	2-72		33	392	.10	29	36
74-74-0002	2830447	587238	6-68	2	305	14,170	4.50	638	33	10,385	4.85	504	3-72		29	560	-.07	21	34
74-74-0002	2830456	610868	1-69	1	305	15,180	4.67	709	47	9,110	4.95	451	5-71		22	687	-.04	30	45
82-11-0117	2682973	560800	10-66	4	305	13,328	4.95	660	37	10,263	5.26	540	3-72		43	594	-.06	24	38
82-11-0117	2829194	585350	12-69	1	305	13,490	5.22	704	35	10,480	5.32	558	1-72		35	411	.12	32	39
82-11-0117	2829195	585350	12-69	1	305	13,530	4.98	674	35	10,480	5.32	558	1-72		35	414	.09	29	36
82-13-0113	2783112	605550	11-68	2	303	13,055	5.51	719	17	10,090	5.45	550	11-71		29	432	.03	24	33
82-14-0194	2677149	604301	2-66	5	304	13,360	5.18	692	17	10,258	5.07	520	2-72		35	674	.03	37	51
82-14-0194	2745359	604301	2-66	3	303	13,216	4.89	646	25	9,466	5.33	505	7-71		32	711	-.05	30	46
82-14-5157	2638461	598489	10-65	3	305	12,400	5.02	623	16	8,426	5.20	438	8-70		35	462	.01	24	34
82-14-5157	2736590	604567	10-67	2	305	12,955	4.95	641	23	8,560	5.16	442	4-71		29	554	-.02	26	38
82-14-5157	2785536	598489	1-69	1	305	15,870	5.01	795	13	9,380	5.11	479	2-71		27	507	.02	27	38
82-14-5260	2737624	600806	10-67	2	305	15,020	4.57	687	35	11,145	4.47	498	5-71		30	518	-.03	23	35
82-14-5260	2818527	604694	11-69	1	305	12,990	4.54	590	52	11,450	4.35	498	1-72		34	458	.01	24	34
82-14-5260	2822957	604694	11-69	1	305	14,200	4.06	576	56	11,280	4.38	494	12-71		34	563	-.05	23	36
82-15-0198	2661632	583915	3-64	5	305	11,570	4.91	568	13	8,874	4.79	425	10-71		37	567	-.01	27	39
82-15-0198	2661640	583915	7-64	5	300	12,306	5.09	626	15	9,954	4.80	478	1-72		37	533	.03	29	40
82-15-0198	2687449	557569	10-66	3	302	11,113	4.78	531	18	9,350	4.86	454	8-71		39	549	-.06	21	34
82-16-0167	2726501	600395	6-67	2	256	11,395	6.11	696	9	8,230	5.30	436	6-71		29	435	.16	37	44
82-16-0167	2764115	593883	5-68	2	298	10,510	5.13	539	13	8,690	5.37	467	6-71		38	473	.07	30	39
82-16-0167	2806655	593883	10-68	1	305	11,250	5.17	582	11	7,700	5.14	396	1-71		33	571	.09	37	46
82-25-5118	2597555	577237	11-64	6	305	12,365	5.72	707	12	9,587	5.10	489	2-72		44	467	.16	39	46
82-29-0213	2507949	561500	8-62	6	305	15,020	4.61	693	32	10,075	5.14	518	10-71		43	667	-.08	25	41
82-29-0213	2524207	561500	11-62	7	305	13,430	4.85	652	36	9,924	5.07	503	7-71		43	476	-.02	22	32
82-29-0213	2769857	601618	4-67	2	305	13,525	5.15	696	24	10,515	5.00	526	11-71		25	398	.03	23	31
82-29-0213	2799342	611425	2-69	1	305	13,580	5.15	700	28	10,260	4.79	491	2-72		22	358	.06	24	31
82-56-0138	2616363	600395	2-65	2	233	13,325	4.59	612	13	8,470	4.90	415	6-71		29	542	-.03	29	43
84-03-0814	2722090	605183	4-67	2	305	15,485	4.70	728	82	9,505	4.98	473	1-72		25	761	-.05	33	50
84-03-0814	2732185	563813	8-67	3	296	12,487	5.09	636	42	8,747	5.06	443	8-71		42	520	.04	30	40
84-03-0814	2790333	602658	5-69	1	291	12,210	4.47	546	47	8,920	5.00	446	8-71		29	772	-.16	22	41
84-03-0814	2794115	589166	7-69	1	305	12,670	4.78	605	36	9,060	4.94	448	7-71		33	444	.01	23	32
84-06-9007	2421605	549126	1-61	8	297	10,171	5.30	539	31	7,906	5.08	402	2-72		43	353	.08	25	31
84-06-9089	2592810	596975	11-64	5	300	14,070	4.56	642	9	10,136	4.89	496	11-71		32	639	-.08	24	39
84-06-9089	2810191	593816	10-69	1	305	16,270	4.30	699	9	10,780	4.96	535	11-71		35	616	-.11	20	35
84-15-9019	2657412	541866	3-63	5	305	12,416	5.12	636	50	8,848	5.09	450	6-71		44	479	.05	29	36
85-03-0040	2723446	604909	5-67	2	294	12,330	5.52	680	28	11,090	5.37	595	7-71		30	537	.06	33	43
85-03-0040	2839366	604909	8-69	1	294	11,240	6.01	675	22	8,460	4.99	422	10-71		24	637	.15	46	57
85-20-9001	2508390	550331	8-62	4	297	12,985	4.70	610	59	9,313	4.77	444	6-71		43	413	.04	24	32
85-20-9001	2521407	590260	10-61	7	305	14,251	4.47	637	46	10,297	4.65	479	2-71		32	644	-.06	26	41
85-20-9001	2534516	582139	9-62	6	305	15,333	4.92	754	53	10,045	4.59	461	8-71		38	796	.05	45	61
85-20-9001	2588009	564125	2-63	7	294	11,980	5.12	613	46	9,460	4.70	445	8-71		44	386	.06	25	32
85-20-9001	2710168	598017	7-65	4	295	12,755	4.74	604	57	9,070	4.79	434	9-71		30	558	-.02	26	38
85-20-9001	2717394	600146	12-66	3	305	12,743	4.63	590	47	9,403	4.66	438	6-71		32	448	.01	23	32
85-20-9001	2804271	584321	6-69	1	301	13,390	4.69	628	45	9,670	4.28	414	3-72		29	441	.00	22	31
85-20-9001	2817910	583958	11-69	1	305	17,060	3.92	668	61	9,560	4.34	415	2-72		35	831	-.12	29	49
86-01-0456	2713832	605832	8-66	3	302	14,980	4.23	633	42	9,653	4.59	443	8-71		29	766	-.11	27	45
86-01-0456	2713843	585357	10-66	2	305	14,495	4.47	648	43	10,360	4.57	473	10-71		29	510	-.06	20	32
86-01-9447	2241521	560855	11-57	2	305	15,855	5.13	814	104	9,925	4.69	465	2-71		29	652	.09	41	53
86-01-9447	2451399	593891	3-61	4	304	14,693	4.32	635	115	10,098	4.75	480	11-71		35	672	-.09	25	41
86-01-9447	2537941	556095	10-61	4	300	16,555	4.29	710	93	9,878	4.82	476	9-71		43	991	-.15	34	58
86-01-9447	2664809	595944	11-64	4	298	14,000	4.93	690	91	10,220	4.78	489	11-71		37	610	.06	36	48
86-01-9447	2693370	583915	1-64	3	305	12,626	4.50	568	105	9,683	4.80	465	2-72		34	579	-.09	20	34
86-01-9447	2693374	583915	1-64	3	305	12,926	4.75	614	119	9,386	4.79	450	8-71		34	653	-.05	28	43
86-01-9447	2707567	604789	1-67	3	293	13,237	4.31	570	87	9,470	4.74	449	6-71		34	553	-.11	17	31
86-01-9447	2735995	604789	12-67	3	300	15,260	4.13	631	113	10,750	4.70	505	3-72		34	668	-.14	19	36

TABLE 4. JERSEY USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C D	REPT (%)	.......C O W MILK (LB)	I N D E X....... FAT (%)	FAT (LB)	DOL-LARS
86-01-9447	2736013	560800	11-67	2	305	13,355	4.69	626	96	10,685	4.68	500	4-72		40	498	-.03	22	$ 33
86-01-9447	2736015	576127	7-67	3	305	13,017	5.21	678	124	10,180	4.74	483	3-72		41	441	.10	32	40
86-01-9447	2758277	609390	5-68	2	305	12,670	4.88	618	108	9,895	4.74	469	6-71		29	459	-.01	22	32
86-01-9447	2768488	610098	5-68	2	303	15,135	4.56	690	107	10,385	4.69	487	5-71		29	592	-.05	25	38
86-01-9447	2768502	609390	8-68	2	284	14,645	4.08	598	149	9,675	4.83	467	9-71		29	722	-.16	20	38
87-02-0886	2593604	591131	12-64	5	302	10,582	5.05	534	21	7,996	5.02	401	9-71		43	390	.05	24	31
87-02-0900	2223721	522990	3-57	11	303	10,764	5.53	595	12	9,067	5.21	472	6-71		43	355	.09	26	32
87-03-0015	2673684	572331	3-66	5	292	11,422	4.50	514	15	8,580	5.07	435	3-72		40	770	-.16	22	41
87-06-0389	2483317	583397	4-62	4	305	13,785	4.66	643	30	9,117	4.91	448	5-71		36	632	-.03	29	43
87-06-0389	2777923	609895	6-68	2	305	14,175	5.52	782	29	9,700	5.00	485	12-71		25	573	.10	38	49
87-06-0389	2828176	604694	3-70	1	305	13,960	5.32	743	13	10,220	5.04	515	4-72		34	618	.03	34	47
87-06-0700	2676284	592684	7-66	3	305	13,693	4.48	614	27	9,253	5.04	466	6-71		35	738	-.14	23	41
87-06-0700	2724954	567370	5-67	3	305	10,783	5.97	644	30	9,353	5.01	469	9-71		42	339	.12	28	33
87-06-0700	2775858	610432	7-68	2	305	12,240	5.53	677	30	9,295	5.06	470	8-71		25	374	.09	27	33
87-06-0700	2775859	593883	9-68	2	305	10,930	5.34	584	27	9,480	5.04	478	9-71		38	443	.11	33	40
87-06-0700	2775862	593883	11-68	2	305	12,420	5.17	642	28	10,085	4.90	494	12-71		38	542	.11	38	48
87-06-0798	2544154	556095	9-62	4	305	14,978	5.01	750	54	8,535	5.08	434	1-72		43	945	-.03	44	65
87-06-0798	2555446	583397	11-63	3	302	14,753	4.98	735	48	7,900	5.22	412	7-71		34	859	.01	44	62
87-06-0798	2743760	600624	1-67	4	305	15,207	4.84	736	57	8,802	4.96	437	3-72		35	892	-.01	43	62
87-06-0798	2743816	583397	8-66	4	299	13,027	4.50	586	53	8,915	4.96	442	12-71		36	551	-.06	22	35
87-06-0798	2789969	583397	8-68	2	305	13,385	5.82	779	59	9,120	4.99	455	12-71		32	470	.16	39	46
87-06-0798	2816657	604694	3-69	1	305	11,000	5.35	589	72	8,700	5.00	435	5-71		34	495	.03	28	38
87-06-0798	2816663	610720	3-69	2	297	13,630	4.62	630	65	9,315	5.02	468	12-71		28	505	-.06	19	31
87-06-0798	2828159	604694	12-69	1	305	13,440	4.64	623	55	9,920	5.07	503	1-72		34	598	-.04	26	39
87-15-0911	2771894	594819	2-66	4	305	15,248	4.82	735	12	10,138	4.80	487	4-72		34	736	.00	37	53
87-15-0911	2776955	585350	12-68	2	304	12,110	4.70	569	28	9,910	4.96	492	12-71		39	395	.08	27	34
87-18-0103	2537126	567370	8-63	6	301	10,678	5.01	535	25	8,087	5.07	410	11-71		44	487	-.02	22	33
87-29-0595	2690008	564125	10-66	4	304	15,990	3.82	611	36	9,035	4.78	432	1-72		43	918	-.20	25	48
87-29-0595	2774206	585350	10-68	2	305	11,720	5.04	591	50	9,095	4.79	436	10-71		39	431	.14	35	42
87-29-0610	2771195	585350	11-68	2	302	12,190	5.18	631	22	10,315	5.15	531	10-71		39	366	.12	30	36
88-01-0035	2510944	553236	10-60	6	304	12,515	5.08	636	13	10,550	4.83	510	11-71		42	472	.08	31	4[illegible]
88-01-0035	2535333	561688	5-61	5	305	12,734	5.16	657	15	10,642	4.83	514	7-71		36	356	.08	25	31
88-01-0044	2530817	567370	5-62	3	249	13,310	4.92	655	11	9,800	5.04	494	12-71	B	42	583	-.03	26	39
88-01-0044	2684505	601215	10-66	3	304	12,950	5.11	662	21	9,553	5.01	479	6-71		29	489	.03	27	37
88-01-9002	2413308	580714	1-61	8	305	12,677	5.03	638	23	11,197	4.89	548	6-71		40	385	.06	25	32
88-01-9002	2413311	580714	1-61	7	305	16,607	4.18	695	21	11,165	4.92	549	11-70		40	935	-.13	33	55
88-01-9002	2482419	580714	2-62	8	305	13,952	4.77	666	30	11,621	4.89	568	1-72		40	509	.02	27	36
88-01-9002	2537517	553236	9-60	8	305	12,610	5.11	644	30	11,335	4.93	559	12-71		42	389	.07	26	33
88-01-9002	2565738	593883	7-64	6	288	16,348	4.88	798	29	10,995	4.99	549	2-72		42	1,007	.05	55	76
88-01-9002	2597618	580714	1-65	5	305	16,436	4.28	704	34	11,924	4.85	578	7-71		40	816	-.10	31	5[illegible]
88-01-9002	2597630	583175	3-65	5	305	13,578	5.02	682	41	11,788	4.89	577	3-72		37	443	.02	24	33
88-01-9002	2613890	597904	8-65	4	305	16,137	4.62	745	29	11,805	4.86	574	4-71		36	746	-.07	30	47
88-01-9002	2670702	580714	5-66	4	305	14,245	5.01	713	40	12,020	4.83	581	6-71		39	487	.07	31	4[illegible]
88-01-9002	2675600	600698	3-66	4	305	16,175	5.05	817	53	12,005	4.91	589	1-72		30	677	.03	37	51
88-01-9002	2675602	592584	5-66	4	302	14,412	4.81	693	46	12,237	4.84	592	6-71		37	455	.01	24	33
88-01-9002	2721727	580714	6-67	2	305	16,760	4.93	827	36	12,015	4.85	583	6-71		35	714	.04	40	54
88-01-9002	2727579	605573	3-67	3	305	16,150	4.74	765	49	12,497	4.86	607	7-71		29	568	-.03	25	38
88-01-9002	2800331	609322	3-69	2	305	16,200	4.69	759	44	12,170	4.85	590	3-72		30	826	-.07	34	53
88-01-9002	2800557	597904	12-67	3	305	15,836	4.78	757	41	12,130	4.88	592	3-72		34	630	-.03	28	42
88-01-9002	2817259	609322	4-69	2	305	14,420	4.23	610	53	12,110	4.85	587	3-72		30	620	-.14	17	33
88-01-9023	2528628	593883	5-63	5	304	12,742	5.11	651	23	11,440	4.94	565	4-71		42	470	.10	33	41
88-01-9023	2528631	593883	5-63	6	301	13,088	5.15	674	19	11,201	5.03	563	8-71		42	545	.10	37	47
88-01-9023	2565729	593883	1-64	3	305	16,373	5.52	904	23	11,123	5.19	577	1-72		40	927	.15	61	78
88-01-9023	2632620	593883	9-65	4	293	13,230	4.67	618	24	11,835	4.94	585	3-72		41	482	.03	27	37
88-01-9023	2722171	593883	3-67	3	304	14,540	5.47	796	22	11,376	5.07	577	6-71		40	660	.14	48	[illegible]
88-01-9023	2722173	593883	7-67	3	294	12,750	5.41	690	30	11,533	5.12	591	1-72		40	450	.12	34	42
88-01-9023	2760156	593883	2-68	1	283	15,820	5.04	797	29	12,920	4.98	644	2-72		33	561	.09	37	47
88-01-9023	2760159	593883	3-68	2	305	13,575	5.44	739	33	11,600	4.92	571	5-71		38	520	.16	41	49
88-01-9023	2786507	593883	6-68	2	178	14,395	4.90	705	26	11,195	5.07	568	7-71	B	38	645	.05	37	50
88-01-9023	2786515	593883	2-69	1	305	14,830	4.84	718	33	11,840	4.96	587	4-71		33	560	.07	35	46
88-01-9023	2829439	609322	9-69	1	305	17,160	4.45	763	19	11,490	5.14	591	10-71		24	860	-.13	30	51
88-01-9023	2829440	605836	9-69	1	268	15,090	4.77	720	17	11,330	5.14	582	10-71		25	646	-.09	23	38
88-01-9023	2859864	605836	7-67	1	305	19,090	4.71	900	24	12,900	5.12	661	3-72		25	874	-.10	33	54
88-01-9033	2514039	583175	5-63	6	305	14,063	4.93	693	23	11,012	4.90	540	4-71		37	616	.00	31	44
88-01-9033	2526136	580714	6-63	5	305	13,036	5.24	683	17	11,556	4.80	555	10-70		40	390	.11	30	36
88-01-9033	2550492	580714	1-64	5	302	13,508	4.75	642	23	11,680	4.74	554	5-71		40	440	.03	25	34
88-01-9033	2597640	597904	6-65	5	303	14,210	5.18	736	17	11,612	4.75	551	1-72		37	515	.08	33	43
88-01-9033	2670709	597904	6-66	4	305	13,315	4.88	650	21	10,762	4.87	524	11-71		36	483	-.01	23	33
88-01-9033	2719744	580714	4-67	3	305	12,860	4.90	630	33	11,190	4.85	543	9-71		38	391	.05	24	32
88-15-9001	2454747	584532	6-61	9	305	13,189	5.03	663	30	10,950	5.32	583	8-71		39	505	-.06	19	31
88-15-9001	2501674	563805	12-62	3	305	14,657	4.93	722	31	12,863	5.15	663	1-72		41	505	-.01	24	35
88-15-9001	2582423	567370	6-64	5	305	14,518	4.84	703	30	11,572	5.33	617	8-71		44	577	-.09	20	34
88-15-9001	2626725	563813	6-65	4	305	14,358	5.01	720	33	11,893	5.25	624	1-71		43	428	.01	22	31
88-15-9001	2626735	563813	9-65	5	305	14,944	5.46	816	31	12,264	5.19	636	3-72		44	476	.11	34	42
88-15-9001	2728454	593883	10-67	3	305	13,986	5.10	713	32	12,860	5.17	665	12-71		40	455	.07	29	38
88-15-9001	2728462	584532	6-67	2	305	16,660	4.98	829	37	13,090	5.21	682	2-71		34	619	-.05	26	4[illegible]
88-15-9001	2728467	561487	7-67	3	305	16,780	4.79	804	33	12,547	5.26	660	10-71		41	531	-.07	20	32
88-15-9001	2746391	606407	3-67	3	305	16,393	4.88	800	26	12,980	5.31	689	6-71		29	540	-.08	19	32
88-15-9001	2804600	593816	4-69	1	305	17,640	4.95	874	35	13,750	5.15	708	3-71		35	517	-.04	22	34
88-15-9001	2804602	593816	5-69	1	305	17,040	5.15	878	35	13,750	5.15	708	3-71		35	471	-.01	22	32
88-15-9001	2804604	583958	6-69	1	305	15,220	5.55	844	31	13,450	5.35	719	7-71		35	428	.01	22	31
88-15-9001	2804606	593816	6-69	1	305	18,710	4.89	914	36	13,870	5.34	741	8-71		35	590	-.07	23	37
88-15-9001	2804608	583958	7-69	1	305	20,100	4.65	935	31	13,450	5.35	719	7-71		35	796	-.11	29	48
88-15-9001	2804609	583958	8-69	1	305	16,300	5.13	837	26	12,970	5.11	663	1-72		35	542	-.02	25	37
88-15-9001	2804829	593883	6-68	2	305	16,215	4.79	776	35	13,540	5.21	705	8-71		38	615	.01	32	45

TABLE 4. JERSEY USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C O	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
88-15-9001	2804831	593883	11-68	1	305	15,160	5.80	880	35	13,410	5.35	717	9-71		33	476	.15	38	$ 46
88-15-9001	2804832	593883	12-68	1	305	16,010	4.97	796	33	13,840	5.09	704	1-71		33	512	.07	32	42
88-15-9001	2837045	593816	10-69	1	305	17,070	4.63	790	27	13,000	5.12	665	1-72		35	525	-.08	18	31
88-15-9001	2837052	593883	11-69	1	305	17,360	4.96	861	27	12,980	5.11	663	1-72		33	677	.06	40	53
88-16-9004	2489403	567370	3-62	7	305	15,630	3.83	598	53	10,609	4.96	526	11-71		44	833	-.24	17	39
88-16-9004	2537219	584532	8-60	8	300	14,760	4.41	651	48	10,926	4.90	535	4-72		39	730	-.12	24	42
88-16-9004	2540194	583175	10-63	5	299	14,576	4.54	662	62	10,392	5.12	532	10-71		37	772	-.11	27	46
88-16-9004	2696723	584532	6-68	2	305	15,250	4.89	745	53	10,060	5.13	516	11-71		34	766	-.05	33	50
88-16-9004	2708207	584532	11-66	3	305	15,533	4.89	760	39	10,133	5.11	518	12-71		37	865	-.05	38	57
88-16-9004	2717568	580714	6-67	1	305	17,060	4.24	723	48	10,540	5.01	528	12-70		31	718	-.07	29	46
88-16-9004	2786518	593883	3-69	2	207	11,830	4.81	569	19	10,055	4.78	481	4-72	B	38	483	.07	31	40
88-16-9004	2786520	605836	5-69	1	293	12,470	5.24	653	38	9,680	4.94	478	7-71		25	546	-.02	25	37
88-16-9004	2812554	593816	7-69	1	305	14,230	5.02	714	53	9,900	5.00	495	9-71		35	521	-.02	24	35
88-16-9004	2878374	578382	6-70	1	295	13,680	4.30	588	9	10,350	4.67	483	4-72		35	584	-.13	16	31
91-10-0005	2645702	577237	11-65	4	296	13,100	5.50	720	12	11,203	5.44	610	3-72		43	362	.08	26	32
91-10-0005	2762430	582400	11-67	3	305	14,097	4.94	697	19	10,387	5.65	587	3-72		41	738	-.13	24	42
91-10-5022	2480534	587417	8-61	7	305	12,757	5.28	673	15	9,931	5.42	538	5-71		37	580	-.01	28	41
91-10-5022	2649853	582400	9-64	5	305	12,764	5.05	645	20	10,490	5.36	562	5-71		43	596	-.09	21	35
91-10-5022	2745791	577237	6-67	3	305	12,990	5.60	727	17	11,097	5.35	594	2-72		42	346	.11	28	33
91-10-5022	2763972	582400	2-68	2	305	12,480	5.72	714	20	11,175	5.33	596	5-71		39	457	.00	23	33
91-10-5022	2763975	582400	5-68	2	305	12,715	5.46	694	15	10,545	5.39	568	9-71		39	540	-.03	24	36
91-12-0042	2505395	502114	9-62	6	305	14,432	4.41	636	38	10,283	5.12	527	8-71		43	723	-.17	19	37
91-12-0042	2578297	584664	8-64	5	305	13,612	4.69	639	45	10,140	5.01	508	9-71		44	518	-.04	22	34
91-12-0042	2699598	556095	8-66	3	305	13,417	5.52	740	41	11,023	5.07	559	12-71		42	454	.06	28	37
91-12-0042	2707626	556095	8-66	3	305	14,967	4.76	713	33	11,917	4.98	593	4-71		42	541	-.06	21	34
91-12-0042	2732874	584458	7-67	2	300	15,745	5.23	823	41	11,470	4.93	565	8-71		40	709	.01	36	51
91-12-0042	2773209	602754	6-68	1	305	14,070	4.53	637	42	11,150	5.07	565	8-71		32	578	-.05	24	37
91-12-0042	2773210	602754	6-68	2	305	14,490	4.92	713	46	11,970	5.10	610	1-72		36	608	-.01	29	42
91-12-0042	2783321	602754	8-68	2	305	13,270	4.80	637	46	12,080	5.02	607	2-72		36	466	-.02	21	31
91-12-0042	2783325	602754	9-68	2	305	15,190	5.09	773	48	12,135	5.04	612	1-72		36	667	.02	35	49
91-12-0042	2799975	604743	2-69	1	305	16,180	5.29	856	43	12,300	4.98	612	5-71		33	418	.12	32	39
91-12-0042	2802425	593883	5-69	1	305	14,880	5.27	784	47	11,050	5.05	558	9-71		33	619	.11	42	53
91-12-0042	2802427	593883	5-69	1	305	12,610	5.19	655	47	11,050	5.05	558	9-71		33	442	.10	32	40
91-12-0042	2808665	584321	6-69	1	305	15,980	4.94	789	52	11,900	5.17	615	11-71		29	490	-.05	20	31
91-12-0042	2808667	593883	6-69	1	305	14,280	4.59	656	46	11,510	5.00	575	7-71		33	540	.04	31	42
91-12-0042	2814035	593883	8-69	1	292	13,570	6.09	826	48	11,810	5.15	608	11-71		33	464	.20	42	46
91-12-0042	2815446	593883	9-69	1	305	15,180	5.00	759	53	12,250	5.13	628	1-72		33	559	.07	35	46
91-12-0042	2815451	605836	10-69	1	305	15,130	4.90	742	38	11,950	5.12	612	3-72		25	601	-.07	23	37
91-12-0042	2816564	605836	8-69	1	305	16,800	4.57	768	51	11,760	5.20	611	12-71		25	763	-.13	25	44
91-12-0095	2639879	577237	8-63	5	305	12,956	4.70	609	8	10,210	4.82	492	6-71		44	471	.03	26	36
91-42-0043	2804773	604743	5-69	1	305	15,260	4.72	721	13	10,220	5.00	511	9-71		33	492	.05	29	39
91-54-0028	2552531	598346	8-63	3	305	16,230	5.08	825	29	11,207	5.25	588	4-71		32	740	-.01	36	52
91-54-0028	2699293	600895	2-66	4	305	15,205	5.13	780	28	11,003	5.23	575	1-72		30	666	.00	33	47
91-54-0112	2659541	582400	4-66	4	302	12,215	5.53	676	12	9,098	5.34	486	10-71		42	676	-.01	33	45
91-54-0112	2659543	582400	1-66	3	305	10,747	5.81	624	13	9,207	5.28	486	5-71		41	471	.03	26	35
91-54-0112	2717276	584908	7-67	2	305	13,145	5.27	693	10	9,400	5.32	500	12-70		34	399	.06	26	33
91-58-0042	2692398	577237	6-66	4	302	14,930	5.75	859	17	12,998	5.23	680	1-72		43	389	.16	35	40
91-58-5159	2541276	595483	7-63	4	247	12,950	4.71	610	15	9,740	5.23	509	4-71		37	573	-.11	18	32
91-58-5159	2745795	582400	10-67	3	212	14,167	5.12	725	20	10,783	5.18	559	4-72		41	705	-.05	30	46
91-62-0072	2871251	556095	7-63	1	305	16,780	5.04	846	8	11,240	4.70	528	1-72		35	603	.00	30	43
91-62-0187	2725441	582400	10-66	3	305	11,370	4.58	521	12	8,597	4.90	421	4-72		41	608	-.09	21	36
91-62-5067	2562333	556095	12-63	4	305	11,845	5.42	642	8	8,203	5.58	458	6-71		43	592	-.02	28	41
91-62-5067	2622602	560800	9-63	5	305	11,958	5.09	609	10	8,636	5.53	478	1-72		44	622	-.05	26	42
91-64-5025	2515043	497574	9-62	7	305	13,194	5.46	721	23	9,857	5.42	534	1-72		44	735	.02	39	54
91-64-5025	2515045	497574	12-62	7	304	11,379	5.12	583	21	9,690	5.46	529	9-71	8	44	518	-.05	21	33
91-64-5025	2560497	556095	12-63	6	305	11,838	5.77	683	23	10,220	5.30	542	9-71		44	373	.06	24	31
91-64-5025	2565199	497574	1-64	3	305	13,593	4.19	570	26	10,127	5.29	536	11-71		42	717	-.17	19	37
91-64-5025	2565205	589342	5-64	5	305	13,042	5.70	744	23	10,242	5.26	539	2-71		35	389	.14	33	39
91-64-5025	2780748	497574	8-68	1	305	11,450	5.04	577	28	9,420	5.24	494	8-71		35	488	-.02	22	33
91-64-5073	2655279	606782	11-65	4	305	12,550	5.51	692	25	11,065	5.18	573	9-71		33	348	.05	25	31
91-64-5073	2800515	585350	2-69	1	303	12,830	5.44	698	49	10,290	5.17	532	10-71		35	374	.15	33	38
91-64-5073	2800519	585350	7-69	1	301	12,910	4.83	624	44	10,680	5.14	549	11-71		35	353	.09	26	32
91-64-5073	2800523	585350	8-69	1	305	12,190	5.50	670	45	10,390	5.18	538	9-71		35	318	.16	31	35
91-68-0011	2584521	577237	10-64	5	303	12,720	5.37	683	11	10,994	5.23	575	5-71		44	348	.09	26	32
91-68-0011	2685532	556095	7-66	4	304	13,148	5.05	664	28	10,280	5.18	533	10-71		43	521	-.04	22	34
91-68-5115	2439923	555157	2-61	7	304	13,602	5.18	704	11	10,347	5.16	534	2-72		38	573	.07	35	46
91-68-5115	2441989	555157	7-61	5	305	13,032	5.82	758	12	11,082	5.13	568	6-71		38	395	.19	38	43
91-68-5115	2604296	597314	10-64	4	305	14,647	4.94	723	7	10,872	5.30	576	11-70		35	553	-.08	20	33
91-68-5115	2631680	597314	5-65	5	305	14,654	4.62	677	8	10,664	5.25	560	10-71		36	606	-.14	16	31
91-70-0042	2448259	586898	11-61	4	302	16,195	4.96	804	32	11,138	4.99	556	3-72		35	768	.01	39	55
91-70-0042	2674772	556095	2-66	3	305	14,880	4.77	710	34	11,530	5.04	581	7-71		42	572	-.07	22	35
91-70-0042	2688217	587666	6-66	3	305	15,053	5.27	793	25	10,563	5.08	537	9-71		41	560	.03	31	42
91-70-0042	2766750	598368	4-68	2	305	17,045	4.25	725	40	10,465	5.02	525	11-71		38	632	-.15	17	33
91-72-5010	2377302	582248	2-60	8	304	15,098	4.19	632	39	10,710	5.09	545	12-71		35	830	-.24	17	39
91-72-5010	2644884	563279	3-66	4	301	13,605	5.37	731	41	10,880	4.80	522	2-72		36	395	.14	33	39
91-72-5010	2646718	587488	3-65	5	304	14,130	5.13	725	39	10,852	4.99	542	6-71		42	393	.04	23	31
91-72-5010	2669211	584664	9-65	4	303	13,557	5.18	702	46	11,172	4.86	543	4-71		43	374	.07	25	32
91-72-5010	2684145	556095	3-66	3	305	13,267	4.99	662	35	10,763	4.99	537	9-71		42	464	-.02	21	31
91-72-5010	2740844	607530	9-66	4	305	15,002	4.52	678	33	10,575	4.96	525	12-71		33	736	-.13	24	42
91-72-5010	2740878	556095	8-66	3	305	14,003	4.80	672	43	10,863	4.94	537	7-71		42	539	-.05	22	34
91-74-0070	2685546	601624	12-66	4	305	14,135	4.77	674	11	10,883	4.94	538	4-71		33	532	-.03	24	36
91-74-0070	2861717	584321	9-69	1	305	14,540	4.86	706	8	10,180	4.85	494	4-72		29	499	-.03	22	33
91-74-0078	2402042	544287	6-60	7	305	11,501	5.90	678	14	9,566	5.71	546	10-71		44	357	.08	25	31
91-74-0078	2664720	597956	8-65	5	305	12,744	5.85	745	11	10,666	5.61	598	3-72		35	403	.09	29	36
91-74-0078	2708720	597956	1-67	3	305	12,763	5.52	705	14	10,047	5.87	590	1-72		32	450	.00	22	32

TABLE 4. JERSEY USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C D	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
91-74-0078	2732122	597956	9-67	3	303	13,503	5.78	781	18	9,840	5.92	583	11-71		32	576	.04	33	$ 45
91-74-0146	2601059	556095	7-65	5	299	15,288	4.23	647	29	10,556	5.03	531	3-72		44	784	-.18	21	41
91-74-0146	2629047	595574	10-65	5	304	14,542	4.66	677	14	10,772	5.04	543	3-72		35	586	-.08	21	35
91-74-0146	2668305	567370	10-63	5	304	16,594	4.67	775	9	10,908	5.09	555	4-72		44	922	-.10	36	57
91-74-0146	2843586	585350	1-69	1	303	13,170	5.25	691	35	11,160	5.09	568	1-72		35	340	.14	30	35
91-74-0149	2564985	556095	5-64	4	305	15,015	5.08	763	37	10,430	5.21	543	10-71		43	737	-.04	33	49
91-74-0149	2634700	584664	11-65	3	305	13,400	5.64	756	51	10,943	5.05	553	6-71		42	361	.12	29	35
91-74-0149	2678515	584664	8-66	4	305	12,955	5.64	731	51	10,715	5.12	549	9-71		43	350	.11	28	34
91-74-0149	2678518	556095	9-66	4	305	13,330	5.41	721	28	10,818	5.07	548	1-72		43	484	.04	28	38
91-74-0149	2768280	582400	7-68	2	305	13,065	5.70	745	38	10,605	5.08	539	11-71		39	571	.04	32	44
91-74-0190	2829448	605836	3-70	1	305	13,280	4.96	659	16	10,590	4.77	505	1-72		25	546	-.03	24	36
91-74-5003	2387417	549126	8-60	8	303	12,924	4.86	628	21	9,645	5.07	489	5-71		43	509	.01	26	37
91-74-5003	2404084	556095	1-61	8	302	11,961	5.18	619	15	9,678	5.14	497	5-71		44	452	-.02	21	31
91-74-5003	2442025	549126	5-61	8	303	13,085	4.88	639	18	10,086	5.10	514	1-71		43	478	.00	24	34
91-74-5003	2457461	567370	1-62	7	303	12,551	5.00	627	27	10,027	5.04	505	5-71		44	503	-.02	23	34
91-74-5003	2481708	571291	7-62	7	305	13,363	4.81	643	18	10,281	5.10	524	5-71		44	517	-.01	25	36
91-74-5003	2686312	549126	7-66	4	301	12,865	5.55	714	16	10,988	5.12	563	12-71		42	332	.12	28	33
91-74-5188	2746507	555540	12-67	2	305	17,450	4.52	789	9	11,785	4.99	588	6-71		30	692	-.09	26	42
92-02-5027	2662992	556095	6-66	3	298	11,417	5.51	629	6	8,890	5.29	470	1-71		42	445	.02	24	33
92-02-5027	2676216	557569	9-66	3	305	11,540	5.04	582	8	9,523	5.18	493	12-70		39	582	-.06	23	36
92-02-5027	2701851	557569	2-67	3	305	11,963	4.69	561	7	8,740	5.10	446	8-71		39	719	-.11	25	42
92-02-5027	2701852	557569	2-67	3	304	10,223	5.12	523	7	8,526	5.02	428	6-71		39	531	-.04	23	35
92-02-5027	2748833	557569	2-68	2	305	10,895	4.82	525	7	8,915	5.00	446	6-71		36	554	-.08	20	33
92-03-5097	2645450	595483	11-65	4	305	12,932	5.27	682	21	10,495	4.83	507	9-71		37	476	.04	28	37
92-03-5097	2661492	556095	9-65	5	305	13,764	4.82	664	14	11,180	4.75	531	3-72		44	511	-.03	23	34
92-03-5097	2700057	603095	9-66	2	305	14,525	4.40	639	32	10,150	4.78	485	7-71		30	628	-.12	19	35
92-06-0002	2729019	601289	2-67	2	192	11,735	5.10	599	26	9,405	5.07	477	4-72		32	413	.05	25	33
92-06-0059	2685525	601366	2-66	5	296	12,862	5.67	729	40	10,468	5.34	559	3-72		36	399	.11	30	37
92-06-5060	2613816	582400	2-60	5	252	12,312	4.82	594	24	9,872	5.19	512	3-71	B	43	609	-.11	20	35
92-06-5068	2730943	607395	9-67	2	305	14,455	5.01	724	9	9,905	5.08	503	3-71		25	585	.00	29	42
92-06-5068	2750764	607395	2-68	3	300	13,803	5.02	693	7	9,880	4.94	488	3-72		29	569	.02	30	42
92-08-5006	2617240	593406	12-64	4	305	13,507	5.29	714	40	10,765	4.98	536	3-72		35	379	.05	24	31
92-08-5006	2732053	603821	4-67	4	296	14,085	4.96	699	45	10,980	5.05	555	1-72		30	499	-.01	24	35
92-08-5006	2802607	604694	3-69	2	305	13,615	4.35	592	37	10,890	5.09	554	1-72		38	604	-.10	20	35
92-08-5006	2802609	604694	3-69	2	300	13,525	5.23	708	38	11,185	5.07	567	3-72		38	566	.03	31	43
92-08-5006	2832751	604694	3-69	1	305	12,630	4.67	590	64	10,600	5.15	546	3-71		34	489	-.04	20	31
92-10-0003	2639952	601790	2-65	3	300	13,707	5.44	746	8	11,430	5.12	585	3-72		29	357	.08	25	31
92-10-0003	2793999	608220	3-69	1	305	16,550	5.27	873	15	10,350	5.39	558	11-71		19	600	.01	31	44
92-14-5020	2309332	490290	2-59	5	301	10,306	5.61	578	31	8,542	4.94	422	3-71		36	366	.11	29	35
92-14-5020	2650364	599887	9-65	5	299	12,004	5.38	646	25	9,620	5.12	493	12-71		36	428	.11	32	39
92-14-5020	2707720	577763	6-66	4	303	12,070	5.58	673	53	10,748	4.99	536	6-71		35	363	.11	29	35
92-14-5020	2708455	577763	8-66	3	288	14,780	5.01	740	44	10,150	4.93	500	9-71		33	764	.01	40	57
92-14-5020	2717197	595944	11-64	4	305	13,512	5.42	732	58	10,685	4.93	527	6-71		37	484	.13	37	45
92-14-5020	2730941	599887	4-67	2	305	14,365	4.57	657	53	10,775	4.69	505	5-71		31	517	.02	28	39
92-14-5020	2733135	599887	3-66	5	301	12,918	4.99	645	38	11,116	4.88	543	4-72		36	364	.08	26	32
92-16-0022	2342980	577237	8-59	8	303	13,289	5.06	672	7	11,274	5.08	573	7-71		44	389	.06	25	32
92-16-0022	2458970	582400	2-62	5	298	12,730	5.25	668	9	10,912	5.27	575	9-71		43	541	-.04	23	35
92-16-0022	2539326	556095	1-64	5	305	15,332	4.77	732	8	11,098	5.14	570	8-71		44	726	-.09	27	44
92-16-0022	2588274	582400	10-64	5	299	13,570	4.38	595	9	10,450	5.29	553	9-71		43	706	-.19	16	35
92-16-0022	2702517	582400	11-66	4	297	13,123	5.02	659	11	11,170	5.17	578	1-72	B	42	555	-.07	21	34
92-16-0124	2199994	524581	2-57	7	304	14,698	5.67	833	21	11,570	5.47	633	10-70		43	506	.08	33	42
92-16-0124	2523327	567370	1-63	6	305	13,680	5.22	714	22	11,402	5.53	631	1-71		44	489	-.04	20	31
92-16-0124	2523332	567370	2-63	6	298	16,045	5.50	882	16	11,562	5.51	637	5-71		44	776	.02	41	57
92-16-0124	2811570	610908	2-69	1	305	14,730	5.32	784	15	11,560	5.26	608	1-71		24	410	.03	23	31
92-18-0047	2691145	558172	7-64	5	305	13,684	4.74	649	15	10,792	5.03	543	6-71		44	570	-.08	21	34
92-18-0047	2691157	558172	1-63	5	305	14,038	4.57	642	15	9,638	4.96	478	11-71		44	752	-.09	28	46
92-18-0047	2691162	577237	7-64	5	305	12,070	5.63	680	15	10,472	4.88	511	7-71		44	324	.18	33	37
92-18-0047	2722817	558172	2-62	5	305	12,430	4.99	620	13	10,370	4.87	505	12-71		44	456	-.01	22	32
92-18-5094	2486098	558172	10-61	5	305	13,466	5.15	694	20	11,266	5.23	589	2-71		44	486	-.02	22	33
92-18-5094	2549541	577237	12-63	4	304	13,378	5.38	720	18	10,855	5.37	583	4-71		43	435	.08	29	37
92-18-5094	2850634	558172	5-61	1	305	13,660	6.11	835	19	11,690	5.22	610	4-71		35	364	.07	25	32
92-18-5094	2852031	604743	9-67	2	305	14,530	5.22	759	18	11,485	5.37	617	12-71		38	431	.07	28	36
92-20-0012	2608497	574138	3-64	5	304	12,296	5.60	689	55	10,220	5.13	524	2-72		36	364	.12	30	36
92-20-0012	2608498	574138	7-64	3	302	12,706	5.56	706	31	10,073	4.92	496	5-71		34	405	.13	33	39
92-20-0012	2608500	574138	11-64	4	305	12,190	5.44	663	59	10,067	5.14	517	1-72		35	357	.09	26	32
92-20-0012	2611656	574138	12-64	4	305	12,450	5.73	713	67	10,472	5.11	535	1-72		35	342	.15	31	36
92-20-0012	2611901	556095	1-65	4	304	14,035	4.72	663	75	9,965	5.19	517	12-71		43	667	-.09	24	40
92-20-0012	2611915	596536	9-65	3	305	12,840	4.60	591	43	9,590	5.11	490	3-71		32	525	-.08	18	31
92-20-0012	2685427	596536	1-66	2	305	13,360	4.83	645	71	10,045	5.16	518	3-71		29	491	-.05	20	31
92-20-0012	2740010	574138	11-66	2	305	14,960	5.29	792	58	10,845	5.12	555	2-72		31	548	.07	34	44
92-20-0012	2740043	603200	1-67	3	305	13,010	5.66	737	64	10,846	5.08	551	2-72		32	316	.15	30	34
92-20-0012	2740047	603200	2-67	3	305	13,780	5.14	708	66	10,540	5.17	545	4-72		32	457	.03	26	35
92-20-0012	2788018	574138	5-68	2	305	13,370	4.98	666	36	9,935	4.97	494	6-71		31	458	.03	26	35
92-20-0012	2788022	574138	6-68	2	302	14,720	5.29	778	58	10,670	5.10	544	12-71		31	539	.07	34	44
92-20-0012	2806421	604743	6-69	1	305	13,910	5.14	715	76	9,880	5.18	512	8-71		33	411	.08	28	35
92-20-0041	2452874	577237	11-61	7	300	13,109	5.78	758	77	11,254	5.24	590	2-71		44	368	.16	34	39
92-20-0041	2532655	560800	8-63	6	305	16,892	4.39	742	66	11,462	5.28	605	4-71		44	934	-.18	28	51
92-20-0041	2570331	582400	8-64	5	305	13,762	4.86	669	73	11,680	5.25	613	1-71		43	566	-.11	18	33
92-20-0041	2728678	582400	8-67	2	305	15,585	4.73	737	52	11,525	5.27	607	6-71		39	746	-.13	24	42
92-20-0041	2728685	582400	9-67	3	305	14,420	5.17	746	80	12,580	5.15	648	3-72		41	545	-.04	23	35
92-20-0041	2728694	582400	10-67	3	305	15,343	5.17	793	78	12,193	5.15	628	12-71		41	694	-.04	31	46
92-20-0041	2728695	582400	10-67	3	305	15,420	5.05	779	71	12,113	5.13	622	2-72		41	711	-.05	30	46
92-20-0041	2728701	582400	11-67	2	305	16,745	4.81	805	77	12,225	5.22	638	3-71		39	801	-.11	29	48
92-20-0041	2763511	604743	4-68	2	305	17,050	4.76	811	75	12,555	4.92	618	10-71		38	595	.03	33	45
92-20-0041	2771244	598368	10-68	2	305	18,260	4.72	862	82	12,715	4.98	633	11-71		38	547	-.06	21	34

TABLE 4. JERSEY USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C O	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
92-20-0041	2777208	582400	11-68	2	304	16,235	4.60	747	74	12,515	5.02	628	11-71		39	721	-.13	23	$ 41
92-20-0041	2800767	604743	5-69	1	297	15,580	5.41	843	49	12,950	5.10	661	5-71		33	326	.12	28	33
92-20-0126	2617274	603359	8-65	1	305	14,690	5.75	844	24	11,010	5.33	587	4-71		19	367	.08	26	32
92-20-0126	2722690	591673	12-66	2	305	14,140	4.72	667	19	10,540	5.23	551	4-71		32	508	-.05	20	32
92-20-0126	2728166	591673	5-67	3	305	13,296	5.07	674	15	10,670	5.16	551	3-72		34	437	.01	23	32
92-22-5055	2490418	556095	3-62	5	297	14,038	4.40	617	34	10,108	5.10	516	5-71		44	673	-.15	19	36
92-22-5055	2847315	610908	8-69	1	305	15,380	5.26	809	6	11,230	5.33	598	7-71		24	495	.01	26	36
92-23-0049	2611011	582400	2-60	6	300	13,337	5.25	700	12	11,285	5.06	571	1-72		43	577	-.02	27	40
92-23-0157	2798543	593883	7-69	1	305	10,500	5.61	589	28	8,700	5.13	446	9-71		33	443	.12	34	41
92-23-5002	2623193	592609	12-64	6	298	13,266	5.16	685	23	10,558	5.26	555	1-72		35	639	-.05	27	42
92-23-5002	2623206	592609	5-65	5	304	13,558	4.60	624	19	10,536	5.17	545	6-71		35	686	-.14	20	37
92-23-5002	2641892	592609	6-65	5	298	12,918	4.54	587	13	10,308	5.19	535	10-71		35	621	-.16	15	31
92-23-5002	2658060	592609	2-66	3	305	14,043	5.33	749	17	10,333	5.11	528	9-70		32	734	.00	37	53
92-23-5002	2658063	592609	4-66	4	298	12,727	5.13	653	16	10,330	5.17	534	6-71		34	577	-.04	25	38
92-23-5150	2522961	577237	1-63	3	304	15,527	4.33	672	35	11,657	4.86	567	3-72		42	583	-.05	24	37
92-23-5150	2560639	577237	3-64	4	285	12,998	5.89	765	25	10,905	5.08	554	4-71		43	382	.20	38	43
92-23-5150	2562084	577237	4-64	3	305	13,413	4.74	636	20	10,830	5.00	542	6-71		42	423	.02	23	32
92-23-5150	2601717	577237	2-65	4	301	13,948	4.90	683	19	10,395	5.17	537	7-71		43	558	.02	30	42
92-23-5150	2601722	577237	3-65	4	303	16,050	4.21	676	17	10,523	5.15	542	5-71		43	805	-.12	28	47
92-23-5150	2658149	577237	4-66	4	294	14,163	4.82	683	25	10,218	5.20	531	10-71		43	605	.00	30	43
92-23-5150	2658150	577237	4-66	4	303	12,405	5.72	709	19	10,425	5.16	538	7-71		43	362	.16	33	38
92-23-5150	2706424	577237	2-67	2	305	14,095	5.90	832	23	11,670	4.91	573	2-71		40	379	.20	38	43
92-23-5150	2706428	608715	3-67	3	298	14,747	4.77	703	49	11,287	4.93	556	11-71		29	523	-.03	23	35
92-23-5150	2753320	542059	1-68	3	305	16,163	4.51	729	37	11,813	4.85	573	2-72		41	650	-.14	19	35
92-23-5150	2814487	610342	9-69	1	304	14,720	4.95	729	47	11,150	4.87	543	11-71		22	468	.00	23	33
92-23-5150	2820942	610342	9-69	1	305	16,120	4.29	691	36	10,930	4.89	535	8-71		22	614	-.11	20	35
92-23-5150	2820955	610342	12-69	1	305	15,730	4.39	690	42	10,850	4.94	536	9-71		22	585	-.09	20	34
92-23-5150	2833632	609322	5-70	1	305	15,600	4.39	685	36	12,750	4.69	598	2-72		24	620	-.09	22	37
92-27-0051	2885648	582400	3-66	1	305	12,210	5.39	658	7	10,260	5.21	535	1-72		35	479	-.04	20	31
92-27-0072	2558200	577237	11-63	4	304	12,370	5.47	677	26	10,875	5.08	552	10-71		43	308	.12	27	31
92-27-0072	2575973	556095	6-64	4	305	13,180	5.14	678	28	10,835	5.12	555	3-71		43	463	-.02	21	31
92-28-0088	2268262	568015	12-57	2	294	13,015	5.19	675	13	8,450	4.97	420	9-71		28	521	.05	31	41
92-28-0088	2426751	568015	2-60	2	301	13,045	4.72	616	5	8,430	4.90	413	6-71		28	527	-.01	25	36
92-28-5077	2445312	579878	9-61	5	305	14,276	5.10	728	14	11,558	4.99	577	6-71		34	498	.05	30	40
92-28-5077	2680498	556095	7-66	4	305	14,023	5.31	744	17	11,123	5.30	590	11-71		43	536	-.01	26	38
92-28-5077	2752472	591131	2-66	5	305	14,758	5.54	818	14	12,442	5.06	629	3-72		43	412	.14	34	40
92-28-5077	2831004	582400	11-69	1	305	17,740	4.65	825	21	11,870	5.70	677	11-71		35	791	-.16	23	43
93-10-0213	2597131	563813	1-65	4	292	13,215	5.65	746	16	9,893	5.16	510	3-72		43	510	.13	38	47
93-11-0067	2742610	579787	3-67	1	300	14,630	5.22	763	13	9,930	5.04	500	5-71		28	405	.06	26	34
93-12-0002	2551439	593783	2-64	6	302	13,183	5.35	705	16	10,098	5.32	537	1-72		36	506	.04	29	39
93-12-0002	2586665	593783	7-64	4	305	12,940	5.53	716	18	10,235	5.28	540	1-72		35	435	.08	29	37
93-12-0002	2598402	563805	3-65	4	300	13,880	4.60	639	37	10,310	5.09	525	8-71		42	711	-.05	30	46
93-12-0002	2631956	593783	1-66	4	296	13,090	5.04	660	21	10,290	5.22	537	4-71		35	450	-.01	21	31
93-12-0002	2702829	593783	7-66	3	305	13,923	4.91	683	18	10,640	5.18	551	4-71		33	492	-.04	21	32
93-12-0002	2702835	593783	10-66	3	305	12,926	5.40	698	18	10,063	5.22	525	10-71		33	428	.05	26	34
93-12-0002	2712139	602831	11-66	3	305	14,327	5.17	740	28	10,613	5.27	559	1-72		29	550	.01	28	4[illegible]
93-12-0011	2723811	603821	3-67	3	305	15,390	5.02	772	22	12,300	5.08	625	10-71		29	485	.00	24	34
93-12-0011	2723812	604853	3-67	3	304	18,313	4.70	861	30	12,793	5.08	650	5-71		29	838	-.09	33	52
93-12-0031	2496911	590930	12-62	4	300	13,942	5.14	717	44	10,877	5.18	563	9-70		34	437	.03	25	34
93-12-0031	2541475	592732	10-63	5	303	15,210	5.19	789	45	11,180	5.21	583	11-71		35	690	.05	39	53
93-12-0031	2717603	603201	2-67	4	301	14,805	5.32	788	42	11,552	5.31	613	2-72		33	577	.03	32	44
93-12-0031	2729996	600758	10-67	2	305	13,715	5.53	759	36	11,055	5.23	578	12-70		29	405	.07	27	34
93-12-0031	2749404	603201	2-68	1	305	16,150	4.84	782	38	11,360	5.21	592	12-70		23	533	-.04	23	35
93-12-0031	2768786	606102	11-68	2	301	15,040	5.52	830	32	12,015	5.33	640	3-72		28	446	.08	30	36
93-12-0094	2511585	560558	8-62	3	305	13,410	5.23	702	16	9,830	5.22	513	1-72		38	657	-.02	31	45
93-12-0094	2546734	560558	8-63	4	302	13,497	4.54	613	27	10,292	5.00	515	10-71		39	638	-.12	20	30
93-12-0118	2559889	541866	2-64	4	305	15,820	5.03	795	34	11,968	5.36	641	3-72		43	533	-.01	26	37
93-12-0118	2764463	560800	3-68	3	298	13,570	5.72	776	35	12,103	5.33	645	3-72		42	408	.06	26	34
93-12-0118	2786786	585350	2-69	2	293	13,645	5.53	755	33	12,320	5.30	653	1-72		39	330	.15	31	35
93-12-0118	2820298	585350	11-69	1	305	15,170	5.70	864	17	11,880	5.50	653	11-71		35	443	.15	37	44
93-12-0146	2765200	605283	3-68	2	302	15,550	4.87	758	10	11,055	5.13	567	7-71		33	714	-.04	32	45
93-12-9010	2594915	563805	11-64	5	305	20,410	4.26	870	25	11,846	5.25	622	3-71		43	1,414	-.20	49	83
93-12-9010	2594918	563805	3-65	6	295	14,452	4.64	671	29	11,985	5.22	626	3-72		43	605	-.07	23	37
93-12-9010	2594919	563805	3-65	6	300	15,663	5.05	791	29	11,938	5.24	625	3-72		43	772	.01	39	55
93-12-9010	2594920	563805	3-65	2	293	12,865	4.75	611	10	11,070	5.19	575	7-71		38	465	-.02	21	31
93-12-9010	2619792	563805	11-65	3	305	15,547	5.00	778	23	12,120	5.26	637	3-71		41	690	.00	34	49
93-12-9010	2725735	563805	9-67	2	305	12,995	4.91	638	14	11,730	5.06	594	2-71		38	417	.01	22	31
93-12-9010	2768175	605283	3-68	3	302	14,670	5.19	761	28	12,496	5.11	638	2-72		36	497	.02	27	37
93-12-9010	2768177	605283	4-68	1	305	17,800	4.98	887	23	12,770	5.11	652	3-72		28	649	-.01	31	45
93-12-9010	2881789	605283	3-70	1	305	16,140	4.87	786	23	12,770	5.11	652	3-72		28	509	-.02	23	34
93-12-9061	2527225	592584	3-63	7	301	14,981	5.35	801	25	11,967	5.64	675	4-71		39	586	.00	29	42
93-12-9061	2764927	592584	6-68	3	302	13,970	5.58	780	20	11,883	5.40	642	2-72		36	420	.08	29	37
93-12-9061	2764931	600698	3-68	3	305	14,590	5.43	792	38	11,887	5.42	644	3-72		29	424	.03	24	33
93-12-9061	2799980	592584	3-69	2	298	15,925	4.78	762	20	11,825	5.40	638	3-72		34	618	-.06	25	39
93-12-9061	2799981	592584	3-69	2	305	14,155	5.72	809	19	11,870	5.37	637	3-72		34	414	.11	31	38
93-12-9061	2799986	592584	3-69	2	297	14,050	5.44	764	20	11,825	5.40	638	3-72		34	406	.06	26	34
93-12-9061	2799992	592584	5-69	1	305	14,400	5.58	803	17	11,910	5.43	647	3-71		28	366	.07	25	32
93-12-9061	2799993	592584	4-69	2	299	15,110	5.40	816	19	11,870	5.37	637	3-72		34	522	.06	32	42
93-12-9061	2805414	592584	3-69	1	305	14,850	5.58	828	20	11,820	5.49	649	4-71		28	410	.06	26	34
93-24-0094	2486208	579718	3-60	2	305	12,220	5.54	677	34	9,015	5.21	470	10-71		25	403	.07	27	34
93-24-0094	2720587	599823	2-67	3	293	12,966	4.56	591	25	9,570	5.04	482	2-71		33	628	-.08	23	38
93-24-0094	2720598	599823	2-67	1	305	14,730	4.38	645	26	9,330	5.12	478	1-71		25	671	-.10	24	4[illegible]
93-24-0534	2538090	575184	8-63	4	305	12,988	5.03	653	18	10,005	4.88	488	7-71		44	449	-.01	21	31
93-24-0534	2666257	599823	3-66	4	297	13,877	4.11	571	12	9,727	4.92	479	7-71		35	768	-.16	22	41
93-24-0534	2813739	593883	9-69	1	305	11,890	5.19	617	13	10,290	4.66	479	1-72		33	440	.13	34	41

TABLE 4. JERSEY USOA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C D	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
93-24-0555	2632615	593883	4-65	3	305	13,526	5.06	685	31	10,890	5.07	552	12-71		40	611	.08	38	$ 50
93-24-0555	2654602	557569	3-63	1	305	17,880	4.31	770	24	11,790	4.98	587	5-71		32	877	-.16	28	50
93-24-0555	2748125	606741	1-67	3	305	14,723	4.80	706	19	11,456	5.02	575	11-71		34	601	-.08	22	36
93-24-0555	2751718	600841	3-68	3	303	15,530	4.27	663	29	11,290	4.85	548	2-72		32	652	-.14	19	35
93-27-0071	2619532	557569	7-65	4	257	12,497	5.37	671	70	10,647	5.09	542	6-71	B	40	584	.00	29	41
93-27-0071	2680682	596829	7-66	3	302	14,367	5.14	739	85	11,057	5.11	565	3-71		33	457	.02	25	34
93-27-0071	2758137	582400	1-68	2	229	14,360	4.48	644	74	11,715	5.09	596	5-71	B	39	601	-.14	16	31
93-27-0071	2764567	593883	5-68	1	283	14,200	5.05	717	69	10,330	5.30	548	9-70	B	33	617	.06	37	49
93-39-0028	2692485	605782	5-65	4	305	12,552	5.33	669	16	9,372	5.42	508	10-70		34	522	.04	30	40
93-39-0028	2835446	593883	10-69	1	305	16,040	6.10	979	10	11,090	5.40	599	3-72		33	707	.19	54	66
93-39-0028	2871434	593883	1-69	1	305	17,640	5.37	948	26	10 560	5.44	574	8-71		33	869	.10	53	70
93-39-0028	2871435	593883	1-69	1	305	14,570	5.36	781	27	10,590	5.45	577	7-71		33	628	.09	40	52
93-39-0028	2871437	593883	8-69	1	305	12,710	6.21	789	14	11,070	5.37	595	2-72		33	449	.17	39	46
93-39-0141	2827835	602658	1-70	1	305	14,640	4.14	606	13	11,320	5.12	580	1-72		29	795	-.24	16	37
93-39-0356	2555282	592087	1-64	4	305	13,943	4.66	650	8	10,115	4.95	501	8-71		34	602	-.06	24	38
93-39-0365	2616251	572206	4-64	3	305	12,600	5.82	733	9	9,170	5.07	465	12-71		38	622	.11	42	53
93-39-0392	2628772	591131	3-64	1	305	13,520	5.34	722	9	9,120	4.92	449	8-71		35	411	.09	29	36
93-39-0392	2628775	591131	3-65	1	305	14,070	5.41	761	12	10,540	4.90	516	10-71		35	355	.11	28	34
93-39-0392	2734872	576127	8-67	1	305	14,030	4.55	638	9	9,690	5.07	491	9-71		35	444	-.01	21	31
93-39-7358	2347549	571939	7-59	5	300	12,672	4.66	591	67	9,446	5.06	478	4-71		36	535	-.07	20	33
93-39-7358	2577126	571291	9-64	3	299	13,223	4.53	599	29	10,073	4.80	484	10-71		42	481	-.02	22	33
93-39-7358	2801494	577237	4-67	2	302	14,690	4.64	682	24	10,480	4.74	497	12-71		40	549	.03	30	41
93-40-0050	2432054	557569	3-61	8	303	10,822	5.23	566	10	9,681	5.13	497	8-71		41	482	-.03	21	32
93-40-0050	2507376	557569	11-62	7	303	11,741	5.36	629	7	9,952	5.13	511	4-71		41	574	-.01	28	40
93-40-0050	2646565	557569	9-65	4	305	14,027	4.76	667	11	10,007	5.21	521	9-71		40	859	-.12	31	51
93-40-0050	2758288	557569	4-68	2	304	12,615	5.03	634	13	9,695	5.23	507	8-71		36	663	-.07	26	41
93-49-0335	2548612	567370	1-64	4	298	11,073	5.23	579	20	8,848	5.12	453	9-71		44	439	.01	23	32
93-49-0335	2607427	564125	7-65	4	305	12,650	4.90	620	15	8,935	5.15	460	6-71		43	513	-.03	23	34
93-49-0335	2655006	557569	10-65	4	296	10,685	5.57	595	16	9,252	5.09	471	7-71		40	511	.02	27	38
93-50-0264	2608314	598762	2-65	3	305	18,000	4.57	823	37	11,707	4.82	564	2-71		31	1,005	-.10	40	63
93-50-0264	2638132	597687	11-65	3	296	15,910	4.17	664	28	10,520	5.05	531	9-70		32	891	-.21	23	46
93-50-0264	2675415	597687	10-65	4	300	15,547	4.56	709	27	11,402	5.03	574	1-72		34	773	-.15	24	43
93-50-0596	2551905	557569	7-63	3	300	12,706	4.90	623	28	11,656	4.85	565	4-71		39	[illegible]	-.05	20	31
93-50-0625	2562737	560558	5-63	7	295	14,991	4.38	656	33	11,037	4.83	533	7-71		40	769	-.14	24	43
93-50-0625	2568398	60[illegible]080	8-62	3	305	14,277	5.24	748	34	11,973	4.72	565	6-71		31	333	.11	27	32
93-50-0625	2586520	557569	1-65	4	304	14,247	4.17	594	36	11,405	4.77	544	6-71		40	723	-.18	18	37
93-50-0625	2586522	557569	1-65	5	299	14,154	4.33	613	36	10,914	4.79	523	8-71		41	785	-.15	24	43
93-50-0625	2586523	557569	1-65	5	305	14,196	4.83	686	34	11,728	4.82	565	7-71		41	691	-.05	29	45
93-50-0625	2593718	557569	3-65	5	305	13,822	4.62	639	33	11,142	4.83	538	1-72		41	712	-.10	26	43
93-50-0625	2660865	602090	9-65	5	302	16,620	3.57	594	37	11,698	4.80	562	1-72		32	820	-.34	7	31
93-50-0625	2660867	602090	9-65	5	305	15,874	4.34	689	37	11,592	4.82	559	2-72		32	717	-.13	23	41
93-50-0625	2660868	557569	5-65	5	305	14,644	4.64	680	35	10,636	4.88	519	10-71		41	686	-.10	34	55
93-50-0625	2660880	557569	11-65	4	305	15,352	3.92	602	32	11,695	4.82	564	5-71		40	833	-.24	17	39
93-50-0625	2683878	557569	3-66	4	304	13,705	4.44	608	34	11,117	4.80	534	7-71		40	687	-.13	21	38
93-50-0625	2683890	557569	9-66	4	300	13,447	4.54	611	34	11,327	4.81	545	3-72		40	628	-.10	21	36
93-50-0625	2683891	557569	9-66	4	305	14,700	4.26	626	36	10,500	4.94	519	10-71		40	889	-.18	26	48
93-50-0625	2702504	602195	1-67	4	304	15,612	5.12	799	30	12,037	4.65	560	3-72		35	419	.14	34	4[illegible]
93-50-0625	2836238	592584	3-70	1	305	17,150	4.86	834	47	11,370	4.78	543	2-72		28	637	.03	35	46
93-50-0746	2794878	605539	3-69	1	303	16,590	4.10	680	40	9,890	4.88	483	3-71		23	676	-.15	19	36
93-50-0758	2595232	557569	1-64	4	304	13,347	4.81	642	14	9,810	5.11	501	7-71		40	793	-.09	30	49
93-50-0758	2595233	557569	7-64	4	300	14,860	4.52	672	10	11,280	5.05	570	2-72		40	818	-.15	26	46
93-50-0758	2612674	557569	7-63	3	305	12,593	5.07	638	12	10,676	5.08	542	11-71		39	584	-.05	24	37
93-50-0758	2695313	576049	7-66	4	304	16,053	4.85	779	8	11,555	4.96	573	2-72		43	623	-.09	22	37
93-50-0758	2695315	557569	6-66	3	299	12,486	5.05	630	7	9,300	5.11	475	10-70		39	722	-.06	30	46
93-50-0758	2746183	557569	6-6	3	298	13,263	5.01	665	7	10,460	5.17	541	11-71		39	689	-.07	27	43
93-50-0758	2767120	557569	4-68	3	279	14,060	4.47	629	11	11,683	4.95	578	3-72		39	652	-.14	19	35
93-50-0758	2800877	557569	4-69	1	305	17,350	4.32	750	12	11,810	5.21	615	11-71		32	833	-.17	24	45
93-50-0758	2811363	557569	7-69	1	305	13,320	4.84	645	28	11,420	5.09	581	8-71		32	539	-.09	18	31
93-50-0758	2811364	557569	6-69	1	305	15,290	5.27	806	19	11,630	5.30	616	10-71		32	661	-.05	29	44
93-50-0758	2811365	557569	7-69	1	305	14,200	5.10	724	12	11,810	5.21	615	11-71		32	581	-.07	22	36
93-50-9419	2269613	557569	1-58	7	305	11,544	5.24	605	32	10,224	5.07	518	8-70		41	513	-.02	24	35
93-50-9419	2288728	557569	7-58	5	301	13,124	4.85	636	36	10,062	5.04	507	2-71		41	749	-.08	29	46
93-50-9419	2406843	557569	8-60	8	303	11,947	5.16	617	35	10,146	5.11	518	4-71		41	578	-.04	25	38
93-50-9419	2429675	557569	9-5?	7	298	13,578	4.82	654	21	10,461	5.11	535	10-70		41	762	-.10	28	46
93-50-9419	2471939	557569	8-61	8	304	13,372	4.58	613	31	10,243	5.07	519	12-71		41	761	-.13	25	44
93-50-9419	2503174	557569	7-62	6	305	16,758	4.42	741	31	10,685	5.10	545	2-72		41	1,168	-.18	39	67
93-50-9419	2517279	557569	4-63	7	304	14,544	4.81	700	38	10,541	5.03	530	3-72		41	884	-.09	35	55
93-50-9419	2528769	557569	9-63	6	305	13,833	4.46	617	31	10,796	4.99	539	2-72		41	756	-.15	23	42
93-50-9419	2530158	557569	8-61	8	303	12,540	4.97	623	28	10,335	5.09	526	12-71		41	636	-.07	25	4[illegible]
93-50-9419	2595365	557569	2-65	5	305	13,826	4.69	648	29	11,190	4.92	550	12-71		41	705	-.10	25	42
93-50-9419	2595369	557569	4-65	5	305	12,646	5.07	641	35	11,246	4.94	555	6-71		41	538	-.03	24	36
93-50-9419	2621273	557569	5-65	5	305	13,922	5.09	708	29	11,702	4.89	572	4-72		41	656	-.02	31	45
93-50-9419	2621275	557569	6-65	4	305	13,372	4.88	652	31	10,600	5.05	535	10-70		40	704	-.08	27	43
93-50-9419	2691205	557569	9-66	3	305	12,956	5.05	654	39	11,780	5.03	593	3-71		39	507	-.05	20	32
93-50-9419	2724763	590317	9-67	3	305	14,630	5.20	761	28	11,006	4.96	546	11-71		40	499	.05	30	4[illegible]
93-52-9002	2375355	557352	3-60	5	305	14,274	5.65	806	9	10,074	5.28	532	3-71		32	660	.11	45	56
93-52-9002	2466229	584073	7-61	6	305	13,942	4.99	696	9	10,082	5.43	547	2-72		36	757	-.09	29	47
93-52-9002	2474990	584073	2-62	5	300	13,580	4.51	612	9	10,050	5.30	533	6-71		36	708	-.17	18	36
93-52-9058	2516907	584073	1-63	6	305	12,248	5.27	645	26	9,510	5.26	500	11-71		36	584	-.02	27	40
93-52-9058	2566[illegible]07	599144	6-64	6	305	12,412	5.07	629	24	9,530	5.28	503	2-72		35	455	.01	24	33
93-52-9058	2566908	599144	7-64	4	304	13,353	5.65	755	30	10,123	5.33	540	5-71		33	496	.12	36	45
93-52-9058	2741675	572206	1-64	2	305	12,460	5.64	703	40	10,050	5.28	531	1-71		36	476	.05	29	38
93-52-9065	2548132	557569	8-63	6	300	10,918	5.45	595	15	9,781	5.00	489	7-71		41	482	.02	26	36
93-54-0014	2589280	583519	11-64	4	304	14,480	4.50	651	63	9,752	5.10	497	5-71		35	725	-.12	24	42
93-54-0014	2634143	583519	8-65	3	305	12,833	5.08	652	54	9,463	5.23	495	11-71		33	494	-.03	22	33

TABLE 4. JERSEY USOA-OHIA HIGH RANKING COWS (CONTINUEO).

COW'S LAST HERO COOE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PROOUCTION. RECS	OAYS	MILK (LB)	FAT (%)	FAT (LB)	..HEROMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVO MO-YR	T C O	REPT (%)	.......C O W I N O E X....... MILK (LB)	FAT (%)	FAT (LB)	OOL-LARS
93-54-0029	2546410	592563	11-63	7	303	11,050	5.13	567	148	8,671	4.99	433	3-72		35	4C2	.03	23	$ 31
93-54-0029	2659612	592563	2-66	2	305	13,930	4.34	604	170	9,450	4.96	469	2-71		29	593	-.10	20	34
93-54-0029	2714432	602821	12-66	4	305	12,915	4.81	621	174	9,457	4.95	468	2-72		33	447	.00	22	32
93-58-C006	2639753	557569	10-65	1	305	12,520	5.54	694	22	10,160	5.59	568	2-71		32	565	-.05	23	36

TABLE 5. BROWN SWISS USDA-DHIA HIGH RANKING COWS.

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C D	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
11-15-0012	433957	125640	2-62	7	302	14,540	4.60	669	13	11,800	4.03	476	3-71		44	652	.12	42	$ 54
11-15-0012	494812	126555	10-65	5	299	18,536	3.76	697	18	15,206	3.97	603	1-72		43	894	-.08	25	48
11-15-0012	516011	125640	6-67	3	301	15,036	4.02	605	17	11,646	4.11	479	4-72		42	701	.03	32	47
12-11-0140	494808	126555	11-65	5	304	19,642	3.32	652	15	14,614	3.82	558	12-71		43	1,109	-.14	25	54
13-04-0115	425953	127317	8-61	6	303	18,577	3.88	721	64	14,245	4.03	574	3-71		36	669	-.04	22	38
13-04-0115	464686	118619	1-64	5	305	17,650	4.44	784	62	14,420	4.02	580	10-71		44	801	.05	39	56
13-04-0115	473424	142382	9-64	6	300	18,370	4.07	747	72	14,376	4.06	583	12-71		35	754	.01	32	49
13-04-0115	475662	138750	8-64	6	296	20,083	3.36	674	45	15,206	3.98	605	3-72		43	928	-.17	14	40
13-04-0115	486054	139158	8-65	5	303	19,508	3.89	758	67	15,054	3.99	601	2-72		36	885	-.03	31	52
13-04-0115	486057	140291	8-65	4	304	18,240	4.32	788	59	14,940	3.97	593	4-71		35	464	.08	29	38
13-04-0115	491955	144186	11-65	4	301	18,830	3.86	726	63	15,002	3.96	594	3-71		35	667	-.03	23	39
13-04-0115	501939	145170	7-66	3	305	19,740	4.09	807	60	14,886	3.92	584	11-71		33	868	.02	38	57
13-04-0115	505353	145170	10-66	4	303	21,430	3.71	794	62	15,360	3.95	607	11-71		35	1,095	-.06	36	63
13-04-0115	505358	145170	9-66	4	305	17,837	4.13	736	60	15,430	3.91	604	3-72		35	570	.04	28	40
13-04-0115	507121	144186	12-66	3	305	21,456	3.71	797	50	15,550	3.97	617	12-71		33	915	-.06	29	52
13-04-0115	514819	131528	4-67	3	305	22,783	3.82	871	53	15,670	3.94	617	9-71		42	971	-.01	37	60
13-04-0115	524677	146947	2-68	2	294	19,460	3.48	678	65	16,325	3.90	636	2-71		36	812	-.08	22	43
13-04-0115	524684	144186	3-68	2	305	20,700	3.80	786	50	15,945	3.95	630	12-71		30	694	-.03	24	41
13-04-0115	525263	138750	1-68	3	301	22,570	3.70	834	61	16,063	3.93	632	1-72		41	1,064	-.11	28	55
13-04-0115	555531	125640	1-70	1	305	20,060	4.43	888	67	16,280	3.96	644	1-72		35	662	.09	39	52
13-04-0225	488090	125640	10-65	3	244	14,390	3.72	535	6	12,276	3.83	470	7-71		42	559	.02	25	37
13-04-0225	542781	125640	3-69	1	305	16,530	3.62	598	6	12,380	3.76	466	10-71		35	660	.02	29	44
13-08-0053	523640	125640	12-67	2	305	16,460	3.89	641	16	14,650	3.95	578	4-71		40	533	.03	25	37
13-08-0053	533879	125640	9-68	2	303	19,335	3.94	761	24	15,175	4.01	608	11-71		40	778	.03	35	52
16-06-0031	409561	125640	8-60	8	305	17,870	4.20	751	28	12,827	4.08	523	9-70		44	966	.06	47	68
16-06-0031	425497	125640	7-61	5	305	15,066	4.12	620	21	12,652	4.02	509	7-71		44	621	.05	31	44
16-06-0031	431115	125640	11-61	8	301	15,216	4.32	658	27	13,286	4.03	535	12-71		44	566	.08	33	44
16-06-0031	495095	125640	1-66	4	305	14,880	4.58	681	22	13,562	3.97	539	3-72		43	485	.12	35	43
16-06-0031	519952	125640	8-67	2	305	16,350	3.96	648	26	13,250	3.94	522	10-71		40	650	.04	31	45
16-06-0031	524855	125640	11-67	2	305	14,580	4.08	595	21	13,125	3.94	517	9-71		40	481	.05	26	36
16-06-0031	537942	125640	11-68	2	296	17,325	3.77	653	20	14,150	3.94	557	12-71		40	667	.02	29	44
16-06-0031	542585	138750	6-69	1	305	18,870	3.83	723	27	12,830	4.00	513	9-71		35	753	-.08	20	39
16-06-0031	548577	125640	7-69	1	305	18,920	3.83	724	10	15,670	3.84	601	3-72		35	617	.03	29	42
16-06-0031	548579	125640	8-69	1	292	16,400	3.88	637	23	13,830	3.90	540	12-71		35	552	.04	27	39
16-06-0105	458885	120448	1-63	7	294	15,197	3.84	583	9	11,020	4.14	456	3-72		43	853	-.06	26	47
16-06-0154	512383	125640	12-66	4	304	14,680	4.24	623	7	12,725	4.02	511	4-72		43	554	.07	31	42
16-06-0154	527441	146947	10-67	3	299	14,936	4.41	659	5	12,650	4.13	522	10-71		39	699	.04	33	48
16-06-0236	383527	69864	11-58	10	305	21,006	3.98	835	15	15,504	4.16	645	1-72		37	834	-.02	31	51
16-06-0236	488357	143999	10-65	3	305	21,780	3.80	828	17	17,180	4.03	693	1-72		33	808	-.06	24	44
16-06-0236	495694	118619	12-65	4	305	20,478	3.97	814	24	16,745	4.16	696	8-71		43	877	-.05	28	50
16-06-0236	495695	125640	12-65	3	305	19,630	4.25	834	21	16,440	4.03	662	11-70		42	733	.08	40	55
16-06-0236	502445	123243	6-57	4	305	19,478	4.43	862	19	16,703	4.18	699	2-71		30	486	.07	28	36
16-06-0236	516459	125640	6-67	2	305	19,070	4.41	841	22	16,575	4.13	684	8-71		40	622	.08	36	46
16-06-0236	520810	143999	7-67	3	305	21,150	3.82	808	14	15,940	4.10	654	7-71		33	873	-.07	26	48
16-06-0236	520811	147072	9-67	2	305	20,450	4.11	840	24	16,340	4.12	673	11-71		25	569	.01	24	37
16-06-0236	521337	125640	7-67	3	305	23,536	4.33	1020	18	16,773	4.01	672	1-72		42	1,153	.10	60	84
16-06-0236	534865	125640	12-68	1	305	20,080	4.12	828	25	16,760	4.02	674	8-71		35	630	.05	32	45
16-06-0236	534868	125640	11-68	1	305	23,390	3.58	838	20	17,800	3.97	706	6-71		35	810	-.01	31	50
16-06-0236	534869	125640	11-68	1	305	19,760	3.65	721	9	16,420	3.78	620	3-72		35	629	.02	28	42
16-06-0236	534870	125640	12-68	1	305	19,960	4.06	811	22	16,560	4.05	671	7-71		35	635	.04	31	45
16-06-0366	507145	147483	10-66	4	297	19,063	3.79	723	6	15,595	3.73	581	10-71		30	574	.00	23	36
16-06-0389	473247	126555	8-64	5	304	20,422	3.82	780	17	15,918	3.86	615	2-71		43	1,057	-.05	35	61
16-06-0389	504431	125640	8-66	3	305	18,113	3.87	701	7	12,866	3.93	506	3-72		42	931	.03	41	62
16-06-0389	521162	125640	12-67	2	171	15,145	3.90	590	9	13,540	3.84	520	3-71	8	40	500	.05	26	36
16-06-0389	528333	125640	3-68	2	305	15,480	4.41	683	6	12,755	4.03	514	8-71		40	607	.09	36	48
16-06-0389	537679	125640	12-68	2	305	18,165	3.94	715	6	14,930	3.90	583	11-71		40	681	.04	33	48
16-10-0091	495667	125640	1-66	3	305	19,160	4.52	866	13	13,536	4.29	581	5-71		42	983	.09	52	72
16-12-0033	542389	125640	10-68	1	284	16,280	3.92	638	8	14,900	3.68	548	6-71	8	35	470	.06	26	36
16-12-0210	526711	125640	5-68	2	305	17,745	3.97	705	6	14,595	3.82	557	4-72		40	669	.05	34	48
16-14-0109	489593	125640	2-65	5	304	16,704	3.84	642	6	14,150	4.13	585	3-72		44	658	-.01	25	40
16-14-0109	514174	125640	10-66	3	297	15,966	4.35	694	6	14,146	4.10	580	1-72		42	547	.08	32	43
16-14-0109	530762	125640	3-68	2	305	19,320	3.88	750	10	14,155	4.11	582	7-71		40	870	.01	36	56
16-14-0109	531495	125640	10-66	3	293	16,010	4.02	643	9	13,760	4.11	565	7-71		42	592	.03	28	41
16-14-0109	544807	125640	12-66	3	305	16,040	4.14	664	9	13,760	4.11	565	7-71		42	596	.05	30	43
16-14-0109	544809	125640	1-67	3	305	17,110	4.14	709	6	14,006	4.13	579	2-72		42	695	.05	34	49
21-04-0441	376619	120448	3-59	8	278	13,406	4.20	563	11	11,013	4.10	451	11-71		43	619	-.01	24	38
21-04-0441	522603	125640	4-67	3	305	14,823	4.01	594	5	12,763	3.93	501	3-72		42	559	.05	29	41
21-04-0452	540779	135104	10-68	1	305	17,920	3.87	694	5	13,550	3.88	526	12-70		29	582	-.01	22	36
21-05-0764	479210	136140	12-64	4	305	18,118	4.07	738	12	13,900	4.25	591	12-71		43	769	-.12	15	36
21-05-0764	517616	125640	5-67	2	305	17,290	4.28	740	5	14,340	4.26	611	1-71		40	646	.05	33	47
21-07-0090	517617	125640	7-67	2	305	15,530	4.02	625	5	12,985	4.14	537	3-72		40	591	.03	28	41
21-13-0156	381158	120448	3-59	8	303	16,281	3.99	650	13	13,643	4.05	552	9-71		43	686	-.03	24	40
21-13-0156	514695	126555	12-66	4	303	17,025	3.88	660	12	14,523	4.01	583	1-72		42	768	-.07	22	41
21-13-0156	514698	144692	2-67	4	303	16,455	4.24	698	11	14,307	3.92	561	3-72		35	648	.07	35	48
21-13-0156	521745	126555	11-67	2	287	18,890	3.88	732	16	14,595	4.05	591	12-71		39	919	-.07	28	51
21-18-0464	459282	125472	9-63	6	305	18,230	4.07	742	29	14,485	4.05	586	3-71		44	674	-.01	25	41
21-21-0039	515119	146947	4-67	3	305	17,583	3.83	674	7	13,460	3.86	520	1-72		39	933	-.02	35	57
21-21-0039	522672	125640	9-67	3	303	16,070	3.72	598	6	13,933	3.88	540	12-71		42	581	.01	25	38
21-23-0263	522445	146947	12-67	2	303	16,625	3.87	643	5	13,395	4.09	548	7-71		36	791	-.03	27	46
21-23-0263	558902	125640	9-68	1	305	14,960	4.32	646	10	13,240	3.99	528	8-71		35	483	.07	28	38
21-24-0451	540869	125640	2-69	2	305	14,395	3.77	543	10	12,445	3.79	472	2-72		40	524	.03	25	36
21-24-0966	495607	138750	12-65	4	275	16,137	3.83	618	21	11,050	4.04	446	10-71		42	878	-.08	24	46
21-26-0222	494309	138750	11-65	3	305	16,956	3.30	559	19	11,740	3.99	468	2-71		41	862	-.15	14	38
21-26-0222	520261	125640	12-67	2	305	15,140	3.75	567	12	11,840	3.85	456	3-72		40	656	.02	29	44
21-26-0320	507771	125640	12-66	3	305	15,163	4.31	654	8	13,486	3.89	525	9-71		42	523	.09	33	43

TABLE 5. BROWN SWISS USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C O	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
21-26-0320	513271	125640	3-67	2	305	17,455	3.92	684	7	13,660	3.76	513	4-71	H	40	725	.05	36	$ 51
21-26-0320	518034	125640	7-67	2	305	17,410	3.84	669	7	13,560	3.78	513	2-71		40	730	.04	34	50
21-26-0320	527823	125640	2-68	2	305	16,030	3.92	629	9	13,680	3.93	537	9-71		40	578	.04	28	40
21-26-0512	513401	118619	3-66	3	305	13,673	4.04	553	10	11,090	3.99	442	1-72		42	653	-.02	24	39
21-28-0007	477060	126555	9-64	5	305	18,692	3.83	715	14	14,158	4.19	593	7-71		43	1,038	-.09	29	55
21-28-0007	481797	109152	4-65	4	305	18,523	4.12	764	16	14,420	4.16	600	2-71		43	659	-.03	23	39
21-28-0007	538227	125640	1-69	1	304	16,690	4.09	683	10	14,360	3.94	566	8-71		35	538	.06	29	40
21-29-0429	514459	125640	4-67	2	300	15,605	3.58	559	6	10,705	3.76	403	7-71		40	808	.00	33	52
21-29-0852	513855	125640	3-67	3	305	14,753	4.22	622	13	13,183	3.95	521	12-71		42	506	.07	30	40
21-29-0852	518749	147712	5-67	3	305	16,143	3.98	643	13	12,600	4.10	517	1-72		33	646	-.04	20	36
21-30-0303	501933	144186	7-66	3	305	19,926	4.14	825	41	14,786	3.82	565	7-71		33	803	.05	39	56
21-30-0960	366113	124609	1-58	10	301	18,296	3.78	691	10	13,420	4.02	539	7-71		44	700	-.08	18	36
21-30-0960	451759	120448	4-63	6	305	16,440	4.06	667	10	12,812	4.05	519	9-71		43	805	-.02	30	49
21-30-0960	511165	126555	12-66	1	255	18,030	3.65	658	8	13,700	3.89	533	3-71	B	35	823	-.07	23	44
21-31-0661	521529	125640	8-67	2	305	14,605	4.65	679	17	13,115	4.01	526	7-71		40	484	.11	34	43
21-31-0661	523852	125640	11-67	2	305	15,275	4.13	631	20	13,560	4.06	550	8-71		40	512	.05	27	38
21-31-0661	526708	125640	2-68	2	305	19,795	3.72	737	9	14,465	3.97	574	4-72		40	890	.00	36	56
21-31-0661	535554	125640	7-68	1	305	19,900	3.71	738	15	13,130	4.08	536	5-71		35	864	.00	35	55
21-31-0661	536199	125640	8-68	1	305	16,500	3.98	656	15	12,860	4.13	531	6-71		35	625	.03	29	43
21-31-0661	536200	125640	8-68	2	305	15,975	4.17	666	20	13,560	4.06	550	8-71		40	583	.06	31	43
21-31-0661	539864	125640	11-68	1	305	15,410	3.92	604	20	13,210	4.05	535	7-71		35	519	.03	25	36
21-31-0736	422414	107915	11-60	7	305	18,331	4.01	735	16	13,244	4.06	538	3-71		44	699	.03	32	47
21-31-0736	483312	118619	1-65	5	275	15,772	4.21	664	18	13,294	4.20	559	8-71		44	688	-.01	26	42
21-31-0736	515054	131528	1-67	3	305	17,303	3.86	668	20	13,163	4.03	531	6-71		42	596	-.01	22	36
21-31-0736	524435	147075	11-67	2	305	20,965	3.85	808	20	14,780	4.08	603	2-71		32	818	-.04	28	48
21-31-0736	539177	147075	10-68	2	305	19,345	4.17	807	23	15,420	4.03	621	1-72		32	565	.03	26	36
21-32-0240	492890	126555	1-66	3	297	15,967	3.77	602	9	13,337	4.00	533	2-72		41	753	-.07	21	40
21-32-0240	535776	125640	11-68	1	300	15,600	3.97	619	5	12,860	4.09	526	6-71		35	557	.03	26	38
21-37-0106	535803	146947	8-68	1	305	18,180	3.91	710	13	13,740	3.86	530	4-71		32	830	-.01	32	51
21-37-0106	542208	146947	2-69	1	305	19,070	4.01	764	17	13,460	3.96	533	8-71		32	921	-.01	36	57
21-37-0106	544234	146947	4-69	1	303	18,840	3.59	677	15	14,500	3.95	573	10-71		32	828	-.05	27	47
21-39-0118	393184	120448	9-59	8	300	18,304	4.34	794	19	14,950	4.16	622	1-71		43	797	.02	34	52
21-39-0118	486422	118619	4-65	5	302	18,412	3.75	690	28	14,636	4.09	598	10-71		44	875	-.07	25	47
21-39-0118	495588	138408	4-66	3	305	21,497	4.05	871	25	16,313	3.97	647	1-71		41	546	.06	30	41
21-39-0118	505763	138750	7-66	4	305	17,605	4.41	777	23	15,495	3.96	614	3-72		42	559	.02	25	37
21-39-0118	519257	138750	7-67	3	305	19,916	3.52	702	18	15,280	4.09	625	10-71		41	836	-.15	14	37
21-39-0118	522452	125640	1-68	2	305	16,475	4.22	696	24	14,745	3.92	578	8-71		40	525	.08	31	41
21-39-0118	522589	146947	5-67	3	305	17,020	3.97	676	29	15,163	3.98	604	2-72		39	677	-.01	26	42
21-39-0118	547188	125640	8-69	1	305	17,430	3.86	672	24	14,340	4.04	579	2-72		35	595	.02	27	40
21-39-0618	509620	147332	8-66	2	305	18,775	3.64	683	15	12,610	4.05	511	10-71		25	781	-.07	22	42
21-39-0618	514107	131528	1-67	2	305	17,415	4.09	713	14	12,325	3.98	491	11-71		40	626	.02	28	42
21-42-0348	297337	103408	11-54	6	305	17,848	4.11	733	16	14,615	4.17	609	1-71		37	594	-.01	23	37
21-42-0348	353782	122428	7-57	8	305	20,490	3.92	803	14	15,152	4.18	633	10-71		37	934	-.06	29	52
21-42-0348	390087	122428	9-58	9	305	17,823	4.17	743	13	14,127	4.18	590	2-72		37	679	-.01	26	42
21-42-0348	433777	107915	12-61	7	305	17,917	4.24	759	11	14,661	4.19	615	10-71		44	479	.05	26	36
21-49-0208	516165	126555	3-66	2	305	15,545	3.55	552	28	10,355	3.92	406	7-71		39	968	-.09	27	51
21-52-0396	472127	126555	9-64	2	299	15,570	3.28	511	8	12,385	3.87	479	5-71		39	782	-.12	16	37
21-52-0628	522699	125640	11-67	2	305	14,385	4.10	590	14	12,300	4.01	493	7-71		40	537	.05	28	39
21-52-0628	546849	125640	4-69	1	277	17,500	3.83	670	12	11,500	4.04	465	10-71		35	793	.02	34	52
21-52-0628	546853	125640	3-69	1	305	13,960	4.03	563	16	11,520	3.99	460	9-71		35	524	.05	27	38
21-55-0456	504028	138750	7-64	5	297	14,310	3.97	568	21	10,842	4.06	440	7-71		43	685	-.06	19	36
21-55-0456	524384	125640	1-68	2	305	13,105	4.04	530	23	10,505	4.05	425	5-71		40	571	.04	28	40
21-56-0129	480327	138251	1-65	5	305	17,274	4.00	691	15	14,202	4.00	568	9-71		39	579	-.01	22	36
21-56-0129	521261	146947	5-67	2	305	19,425	3.86	749	22	15,635	3.92	613	2-71		36	875	-.02	32	53
21-56-0129	521266	147075	7-67	3	305	20,503	4.02	824	21	15,056	3.88	584	3-72		34	822	.02	35	54
22-17-0154	498516	144364	1-66	4	305	18,518	3.92	725	13	13,458	3.98	536	1-72		30	784	-.01	30	48
22-17-0154	513937	125640	2-67	2	305	16,425	4.03	662	11	14,625	3.97	580	12-70		40	531	.04	27	38
22-17-0154	528114	125640	12-67	2	305	15,690	4.27	670	8	13,835	3.97	549	7-71		40	529	.08	31	41
22-17-0217	473295	143612	8-64	5	276	16,666	4.22	703	16	14,398	4.06	585	4-72		39	543	.03	26	38
22-17-0217	507916	126555	10-66	3	299	14,873	4.28	637	17	13,040	4.12	537	12-71		41	656	-.02	24	40
22-17-0217	515430	146947	5-67	2	305	16,880	3.98	672	16	14,095	4.16	586	4-71		36	751	-.03	26	44
22-17-0217	539795	143612	2-69	2	305	18,590	4.03	750	16	13,765	4.15	571	3-72		34	764	-.01	29	47
22-29-0361	505654	143610	5-66	2	305	21,685	4.30	932	18	13,835	4.37	605	12-70		31	956	.01	40	62
22-29-0361	533999	145958	5-68	2	305	18,645	3.88	723	8	13,520	4.19	567	8-71		30	702	-.04	23	40
22-36-0002	543942	125640	8-68	2	303	16,640	4.09	681	12	12,260	4.13	506	1-72		40	770	.04	36	53
22-36-0002	549574	125640	8-69	1	305	14,100	4.37	616	11	12,470	4.07	507	2-72		35	471	.07	28	37
22-36-0002	549576	125640	10-69	1	305	14,290	4.02	575	10	12,000	4.13	496	1-72		35	517	.03	25	36
22-36-0002	552692	146947	11-67	3	255	13,793	3.92	540	14	12,073	4.06	490	12-71		39	623	-.02	22	37
22-36-0184	527515	125640	4-68	1	305	15,480	4.14	641	6	13,450	4.20	565	12-71		35	508	.04	25	36
22-36-0185	563348	146947	12-69	1	305	18,590	3.78	702	6	13,160	3.98	524	11-71		32	904	-.03	32	54
23-06-0319	463270	140518	11-63	4	305	15,470	4.12	638	9	12,493	3.92	490	12-71		36	544	.05	28	39
23-08-0512	489366	126555	11-65	3	220	14,950	3.95	590	6	12,490	4.12	515	2-71		41	723	-.06	21	39
23-08-0512	532913	125640	8-68	2	304	13,360	4.42	591	9	11,860	4.01	475	3-72		40	473	.09	30	39
23-08-0678	520842	146947	9-67	1	305	15,870	3.39	538	8	10,370	4.10	425	9-70		32	888	-.07	26	46
23-14-0187	437829	118619	6-62	7	301	19,366	3.98	770	14	12,774	4.40	562	2-71		44	1,218	-.07	39	69
23-14-0187	440677	118619	9-62	6	302	15,175	4.59	696	11	13,090	4.44	581	4-71		44	534	.01	27	41
23-14-0187	499599	124652	3-66	4	301	17,893	4.18	748	13	13,028	4.34	566	12-71		44	559	.00	23	36
23-14-0187	535900	125640	10-68	1	305	15,390	4.46	686	16	12,840	4.42	568	11-70		35	543	.06	29	40
23-14-0187	544342	125640	3-69	1	289	15,960	4.02	641	8	12,370	4.20	519	8-71		35	618	.03	29	43
23-15-0654	473607	126555	7-64	5	264	17,266	3.84	663	25	14,246	4.16	592	10-71		43	840	-.09	22	43
23-15-0654	487695	142426	6-65	4	300	16,593	4.33	719	19	13,935	4.20	585	7-71		35	523	.06	29	40
23-15-0654	535844	125640	9-68	2	305	19,605	3.99	783	45	14,950	4.23	633	12-71		40	826	.01	35	54
23-15-0654	540975	141777	1-69	1	305	17,100	4.44	759	55	15,280	4.25	650	12-71		31	651	.01	28	43
23-15-0654	540983	141777	4-69	1	305	19,780	4.17	824	40	15,180	4.18	635	7-71		31	877	.00	35	55
23-15-0654	557990	141777	7-69	1	305	18,400	4.27	785	50	15,030	4.22	635	9-71		31	775	.01	32	50

TABLE 5. BROWN SWISS USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C O	REPT (%)	.......C O W MILK (LB)	I N D E X....... FAT (%)	FAT (LB)	DOL-LARS
23-20-0153	523406	136140	9-67	3	305	18,540	3.57	661	15	12,757	4.12	525	2-72		42	908	-.18	12	$ 37
23-31-0224	498571	126555	7-65	2	305	17,400	3.98	692	15	13,440	4.35	585	3-71		39	873	-.07	25	47
23-31-0224	524828	147567	4-67	3	303	17,740	4.31	765	18	13,113	4.32	566	1-72		29	668	.02	30	45
23-31-0224	526917	125640	5-67	3	302	18,273	4.73	865	19	12,700	4.25	540	1-72		42	967	.13	56	75
23-31-0224	534557	146947	10-68	1	305	19,870	4.43	880	16	13,360	4.27	571	7-71		32	992	.02	43	65
23-31-0224	534559	146947	10-68	1	305	16,460	4.13	680	16	13,360	4.27	571	7-71		32	720	-.01	27	44
23-36-0841	468205	125472	9-63	4	304	16,483	4.57	754	12	13,360	4.16	556	7-71		43	561	.05	29	41
23-36-0841	473245	126555	11-64	5	305	17,884	4.05	724	20	15,826	3.97	629	5-71		43	735	-.03	26	44
23-36-0841	473423	142382	8-64	4	305	17,717	4.08	722	7	14,427	4.20	606	4-71		33	628	-.01	24	39
23-36-0841	478731	126555	12-64	3	287	17,243	4.00	689	11	14,493	4.13	598	4-71		41	781	-.05	24	43
23-36-0841	494814	126555	3-66	4	253	18,075	3.79	685	12	16,183	4.08	660	8-71		42	712	-.09	17	36
23-36-0841	527144	125640	12-67	1	305	15,730	4.36	686	14	13,390	4.15	556	4-71		35	531	.07	30	41
23-36-0841	527147	146947	2-68	1	305	13,960	4.64	648	16	12,630	4.21	532	7-71		32	572	.03	27	39
23-36-0841	527148	146947	2-68	2	305	17,955	4.29	770	12	13,440	4.32	580	8-71		36	930	.01	38	59
23-36-0841	527149	146947	4-68	2	305	18,085	4.09	739	12	13,560	4.30	583	8-71		36	932	-.02	34	56
23-36-0841	531573	125640	7-68	2	305	17,965	3.82	687	12	13,675	4.31	590	11-71		40	776	-.02	29	47
23-36-0841	532561	118619	2-68	2	305	15,595	4.64	723	15	14,190	4.26	605	10-71		40	541	.03	25	37
23-36-0882	494811	126555	10-65	5	302	20,208	3.49	706	17	15,394	3.96	609	1-72		43	1,091	-.13	26	54
23-36-0882	513939	125640	3-67	2	305	19,050	3.53	672	10	14,630	3.92	574	4-71		40	799	-.02	29	48
23-36-0882	519323	125640	9-67	3	294	16,510	4.10	677	10	14,360	3.90	560	3-72		42	588	.06	32	44
23-36-0882	520625	138750	11-67	3	302	16,603	3.98	661	11	13,143	4.04	531	12-71		41	673	-.06	19	36
23-36-0882	549608	138750	2-69	1	305	17,530	3.99	700	11	12,600	3.98	502	12-71		35	667	-.06	19	36
23-39-0019	520841	125640	8-67	3	305	16,483	4.13	680	12	13,073	4.08	534	11-71		42	720	.05	35	51
23-42-0026	515630	146947	5-67	3	302	13,620	4.07	554	8	11,070	4.14	458	12-71		39	712	-.01	27	44
23-42-0026	525627	146947	1-68	2	172	13,920	3.72	518	8	10,735	4.05	435	8-71	8	36	758	-.05	24	43
23-42-0026	535054	146947	9-68	1	305	15,220	3.76	572	10	10,840	3.95	428	8-71		32	802	-.02	29	48
23-54-0003	534806	125640	9-68	2	305	14,475	4.13	598	14	12,815	3.93	503	4-72		40	499	.06	28	38
23-54-0003	539706	146947	4-69	2	305	14,840	4.32	641	16	12,950	3.95	512	4-72		36	642	.03	30	44
23-54-0043	527359	125640	2-68	1	305	17,130	3.68	630	9	11,890	4.13	491	4-71		35	739	.00	30	47
23-54-0043	534803	125640	9-68	1	305	17,750	4.00	710	9	12,040	4.09	492	2-71		35	775	.04	36	53
23-54-0043	534805	125640	10-68	1	305	15,940	4.29	684	10	13,000	4.08	530	10-71		35	573	.06	31	43
23-54-0043	535843	125640	7-68	1	305	17,500	3.99	699	10	11,950	4.16	497	3-71		35	763	.03	35	52
23-54-0043	541849	146947	4-69	1	305	16,600	4.24	704	14	12,730	4.08	520	10-71		32	776	.01	33	51
23-54-0102	504709	118619	8-66	4	293	16,738	4.30	719	12	14,448	4.13	596	2-72		43	669	.01	28	43
23-54-0102	513935	133691	3-67	2	305	22,380	3.54	792	12	14,565	4.06	591	2-72		36	834	-.10	20	42
23-54-0102	525843	148770	8-67	2	305	17,925	4.21	754	8	14,735	3.91	576	5-71		29	520	.06	29	40
23-54-0102	525844	148770	8-67	2	305	18,505	3.87	717	9	15,080	3.92	591	5-71		29	553	.01	23	36
23-54-0102	533558	138750	11-68	2	305	19,570	3.49	683	8	14,525	4.06	590	10-71		39	814	-.14	14	36
23-59-0394	399154	132119	11-59	4	305	17,423	3.89	677	7	12,238	4.00	490	11-71		33	593	-.01	22	36
23-59-0394	498018	125640	4-66	3	300	13,680	3.83	524	9	11,626	3.88	451	6-71		42	545	.03	26	38
23-59-0394	527926	126555	4-68	2	305	17,570	3.97	698	8	13,515	3.86	522	11-71		39	883	-.03	31	52
23-59-0439	516163	125640	12-66	1	305	13,690	4.34	594	6	10,930	4.06	444	8-70		35	544	.06	30	41
23-63-0081	501614	137867	4-64	5	305	21,762	3.76	819	22	14,774	3.98	588	9-71		36	1,176	-.06	39	68
23-65-0045	547227	138251	4-69	1	305	21,420	3.65	782	16	14,540	4.15	604	11-71		28	729	-.07	20	38
31-06-0061	519804	131528	8-67	3	305	18,263	3.73	681	11	13,417	4.02	540	11-71		42	681	-.03	23	39
31-06-0275	503623	133136	6-66	4	305	17,335	4.26	739	30	12,477	4.19	523	1-72		40	655	.05	33	47
31-06-0275	509054	133136	12-66	3	305	18,040	4.20	757	34	13,203	4.19	553	8-71		38	623	.05	31	44
31-06-0275	524765	146918	10-67	3	299	18,986	3.85	731	25	13,820	4.17	576	2-72		38	679	-.05	20	37
31-06-0275	524767	125640	1-68	2	299	14,885	4.50	670	31	13,145	4.21	554	5-71		40	510	.08	31	41
31-06-0275	533038	149983	5-68	2	300	18,835	4.17	785	35	13,260	4.22	559	6-71		25	715	.01	30	46
31-06-0275	533040	125640	5-68	2	305	18,615	4.46	831	30	13,110	4.23	554	10-71		40	894	.08	47	66
31-06-0275	533042	125640	5-68	2	305	14,975	4.15	621	30	13,400	4.22	566	12-71		40	496	.04	25	36
31-06-0275	537754	138750	7-68	2	305	18,595	3.94	733	21	13,860	4.22	585	1-72		39	775	-.08	20	40
31-06-0275	537755	138750	11-68	2	291	18,545	3.82	708	19	13,875	4.19	582	2-72		39	769	-.10	18	38
31-06-0275	537757	125640	9-68	2	287	16,240	4.05	657	30	13,110	4.23	554	10-71		40	652	.02	29	44
31-06-0275	538847	125640	2-69	2	284	16,145	4.35	702	23	14,185	4.19	595	3-72		40	543	.06	30	41
31-06-0275	539772	150692	12-68	1	303	17,150	4.29	735	37	13,660	4.25	581	6-71		31	497	.04	25	36
31-06-0275	540822	125640	11-68	1	305	16,850	4.28	722	36	13,180	4.24	559	6-71		35	630	.05	32	45
31-06-0275	545731	125640	2-69	1	305	18,560	4.21	782	36	13,180	4.24	559	6-71		35	759	.05	37	53
31-06-0275	545732	125640	2-69	1	295	17,780	4.30	765	36	13,180	4.24	559	6-71		35	700	.05	35	50
31-06-0275	555571	138750	11-69	1	305	21,970	4.14	910	25	14,180	4.24	601	12-71		35	897	-.06	28	50
31-06-0275	555579	125640	7-69	1	289	18,000	4.30	774	26	13,400	4.19	562	10-71		35	702	.06	36	51
31-06-0275	555582	125640	7-69	1	305	16,470	4.28	705	26	13,400	4.19	562	10-71		35	586	.05	30	42
31-06-9475	452533	133534	1-63	6	305	17,395	3.91	680	8	13,630	3.92	534	3-71		35	699	-.03	24	41
31-06-9475	519661	147147	5-67	3	305	18,160	4.01	729	9	13,453	4.08	549	9-71		29	684	.00	27	43
31-06-9475	555396	138750	2-70	1	305	20,170	4.27	861	6	14,170	4.13	585	3-72		35	760	-.04	25	44
31-06-9575	532347	131528	6-68	2	305	16,885	4.57	771	5	13,685	4.13	565	9-71		40	448	.07	27	36
31-06-9625	516771	141491	4-67	3	294	14,607	4.61	674	6	11,157	4.31	481	12-71		32	449	.09	29	37
31-06-9625	545446	150692	3-69	1	305	15,100	4.50	680	7	11,540	4.38	506	8-71		31	485	.06	27	37
31-07-9031	527952	118619	1-68	2	296	17,015	4.41	751	17	15,080	4.22	637	6-71		40	604	.01	25	39
31-07-9031	527954	118619	2-68	2	305	18,225	4.26	777	21	15,360	4.27	656	1-71		40	702	-.02	26	43
31-07-9031	541315	118619	4-69	2	305	17,735	4.21	746	15	15,130	4.22	638	3-72		40	673	-.01	25	41
31-12-0050	517451	149088	2-67	3	305	18,630	4.03	751	6	14,350	4.23	607	4-71		32	650	-.05	20	36
31-12-0810	542268	125640	6-68	1	296	17,670	4.09	722	7	13,960	4.16	581	8-71		35	639	.03	30	44
31-14-9027	379052	128917	3-59	7	305	21,160	4.40	932	18	11,278	4.26	481	3-72		36	1,509	.07	70	103
31-14-9027	475981	128917	1-65	4	305	15,660	4.23	663	19	11,192	4.10	459	4-72		35	680	.04	32	47
31-15-9874	458204	139273	7-63	6	305	20,061	4.10	822	12	14,835	4.42	655	7-71		41	961	-.07	29	53
31-15-9874	468457	139273	1-64	6	305	19,210	4.41	847	11	14,881	4.46	664	12-71		41	840	-.02	31	51
31-15-9874	493545	139273	11-65	4	305	18,780	4.17	783	12	14,840	4.45	661	10-71		40	764	-.06	22	41
31-15-9874	509068	131528	12-66	3	294	18,810	4.21	791	15	14,337	4.43	635	9-71		42	648	-.01	25	40
31-15-9874	528580	139036	1-68	3	303	20,870	4.42	923	15	14,693	4.49	660	1-72		42	669	.03	31	46
31-19-0072	475928	138503	10-63	4	305	21,478	3.32	712	10	13,450	4.00	538	4-71		30	1,235	-.16	27	60
31-19-0072	475931	141073	5-64	4	305	16,898	4.20	710	9	13,548	3.93	532	7-71		30	525	.05	28	39
31-19-0072	531877	139036	11-67	3	290	19,363	4.06	786	13	13,230	4.09	541	1-72		42	647	.01	27	42
31-19-0074	535923	140744	3-68	2	305	14,715	3.84	565	7	11,805	4.05	478	8-71		30	662	-.06	19	36

TABLE 5. BROWN SWISS USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C D	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
31-33-9175	457779	135057	7-63	5	305	17,460	3.96	691	25	13,128	4.08	535	2-71		40	751	-.03	26	$ 44
31-33-9175	457783	139202	9-63	5	305	18,300	3.73	682	26	13,698	4.10	562	1-71		35	790	-.07	22	42
31-33-9175	507273	135057	7-66	3	260	16,076	4.20	675	17	12,250	4.14	507	8-71	B	37	619	-.01	24	38
31-33-9175	516021	139202	1-67	3	305	17,096	4.39	751	18	12,223	4.25	520	11-71		32	734	.03	34	50
31-33-9175	522508	150000	8-67	2	305	18,475	4.31	796	28	13,655	4.11	561	1-71		30	911	.05	43	63
31-33-9175	529516	150000	3-68	2	305	19,135	3.99	763	29	13,600	4.04	549	3-71		30	995	.01	41	64
31-33-9175	541237	150000	11-68	1	305	21,310	4.19	892	37	13,790	4.03	556	2-71		24	1,029	.04	46	69
31-33-9175	541238	150000	1-69	1	305	21,050	3.92	825	35	13,300	3.98	530	3-71		24	1,046	.00	42	66
31-33-9175	557753	150000	1-70	1	305	15,970	4.23	676	8	12,730	4.05	515	2-72		24	639	.03	30	44
31-33-9175	561218	150000	7-70	1	305	18,410	3.79	698	11	13,520	4.12	557	1-72		24	793	-.02	29	48
31-39-9040	501891	124529	1-60	4	302	17,803	3.94	701	8	11,915	4.11	490	1-71		33	749	-.02	27	45
31-42-9005	500072	145782	3-66	3	305	20,976	3.98	835	17	12,743	4.26	543	1-72		32	1,183	-.03	43	71
31-42-9005	527645	145781	6-67	2	305	18,785	4.17	784	11	11,825	4.14	490	6-71		29	924	.02	39	60
31-42-9005	535587	145781	2-67	3	299	15,986	4.02	642	8	12,350	4.00	494	4-72		32	585	.00	24	37
31-42-9005	535588	145781	3-67	3	298	16,856	3.83	646	15	11,853	4.10	486	5-71		32	763	-.03	26	44
31-42-9005	535601	145781	8-67	2	305	18,980	3.87	734	10	12,025	4.07	489	4-71		29	926	-.03	33	55
31-42-9005	535605	145781	8-67	1	305	17,900	4.16	744	7	13,180	3.90	514	5-71		24	538	.03	25	37
31-45-0023	476835	138616	10-64	5	305	19,750	3.90	771	14	13,388	4.03	540	1-71		35	1,191	-.05	41	70
31-49-9066	420961	135099	2-61	7	294	17,485	4.09	715	28	14,141	4.33	613	1-71		37	649	-.05	20	36
31-49-9066	456390	138407	9-63	6	305	20,128	4.65	936	31	14,175	4.32	612	11-71		36	774	.14	49	64
31-49-9066	488103	143612	10-65	4	270	19,270	4.03	777	28	14,177	4.25	602	5-71	B	38	909	-.03	33	55
31-49-9066	495160	143612	1-66	4	300	17,345	4.34	752	25	13,765	4.27	588	7-71		38	699	.03	32	47
31-49-9066	499939	143612	7-66	3	305	17,760	4.30	763	24	13,723	4.39	603	1-72		37	730	.01	30	47
31-49-9066	505398	143612	8-66	4	305	16,675	4.82	804	17	13,815	4.57	631	11-71		38	602	.07	33	45
31-49-9066	510822	143612	1-67	3	304	17,343	4.34	752	22	13,523	4.33	586	8-71		37	700	.02	30	46
31-49-9066	519268	143612	9-67	3	290	18,476	4.60	850	17	13,906	4.54	632	2-72	B	37	800	.04	37	55
31-49-9066	519272	143612	10-67	2	305	18,060	4.22	763	24	14,715	4.38	645	3-71		34	610	-.01	23	37
31-49-9066	526143	145411	2-68	2	301	19,730	4.03	796	47	15,065	4.31	649	3-71		25	623	-.03	21	36
31-49-9066	530209	143612	4-68	2	305	20,690	4.07	843	26	15,220	4.22	642	4-71		34	852	-.01	33	53
31-49-9066	530211	143612	7-68	2	288	16,490	4.42	729	16	13,670	4.42	604	10-71	H	34	540	.02	24	36
31-49-9066	536183	143612	10-68	1	305	19,520	4.89	955	25	15,510	4.31	668	1-71		29	584	.08	34	46
31-52-9351	456545	120448	5-63	7	305	16,907	4.04	683	16	12,650	4.33	548	3-72		43	885	-.05	29	51
31-52-9351	470743	138750	3-64	6	303	16,386	3.97	650	15	11,290	4.37	493	1-72		43	905	-.09	24	47
31-52-9351	492005	136140	12-65	4	305	18,073	4.02	727	17	11,623	4.33	503	8-71		43	1,018	-.12	24	51
31-54-9760	429484	132700	9-61	8	301	17,272	3.90	673	16	13,852	4.09	567	1-72		35	668	-.05	20	37
31-54-9760	473879	138576	10-64	5	303	19,348	3.71	717	16	14,166	4.11	582	9-71		32	848	-.08	23	45
31-54-9760	491321	142675	11-65	5	299	17,004	3.98	676	16	14,354	4.08	585	12-71		36	585	-.01	22	36
31-54-9760	496428	142675	12-65	3	305	19,336	3.80	734	14	13,196	4.05	535	2-71		34	994	-.04	34	58
31-54-9760	506340	142675	7-66	4	305	18,860	4.07	768	16	13,862	4.08	566	1-72		35	897	.01	37	58
31-54-9760	514530	142675	10-66	4	297	18,570	4.04	750	14	14,172	4.08	578	3-72		35	816	.00	33	52
31-68-0021	530687	141756	1-68	2	189	18,885	3.50	661	7	12,460	3.72	463	5-71	B	32	843	-.06	26	47
31-75-0490	527480	143426	4-68	2	305	23,060	3.86	890	14	15,935	4.15	661	10-71		31	849	-.04	28	49
31-80-0035	456246	101409	12-61	7	305	17,493	4.02	704	5	12,067	4.23	511	2-71		44	715	.02	31	47
31-80-9069	436436	124403	5-62	7	302	15,807	3.96	626	12	12,816	4.10	525	10-71		40	681	-.04	22	39
31-80-9069	488102	143612	7-65	3	305	24,016	4.56	1096	13	13,256	4.07	540	2-71		37	1,574	.11	79	112
31-80-9069	517322	143612	7-67	2	305	18,130	4.01	727	10	14,615	3.89	568	1-72		34	628	.01	27	41
31-80-9069	536479	118619	12-68	1	305	18,420	3.69	679	8	14,030	3.91	549	9-71		35	749	-.05	23	42
31-85-0108	499648	137395	12-65	5	292	15,568	4.08	635	8	11,726	4.05	475	4-72		41	560	.02	25	37
31-85-0108	549683	135057	8-69	1	305	19,540	3.75	732	23	11,380	4.05	461	11-71		30	823	-.06	25	45
31-85-0127	475847	118783	1-62	6	305	18,620	3.94	734	11	12,511	4.12	516	7-71		42	1,238	-.01	48	77
31-85-9063	407117	131160	3-60	8	305	16,570	3.95	654	16	13,446	4.15	558	1-71		36	621	-.02	22	37
31-85-9063	482978	143250	3-65	5	305	17,234	3.89	671	13	13,398	4.09	548	12-71		35	636	-.03	21	36
32-02-0047	473291	143612	11-64	5	305	18,448	4.15	766	26	14,344	4.22	605	4-71		39	802	.00	32	51
32-02-0047	488977	144251	9-65	4	305	17,140	4.42	758	13	14,468	4.04	584	7-71		30	436	.08	28	36
32-02-0047	501615	137867	4-64	5	303	21,574	4.08	880	19	14,620	3.99	584	1-71		36	1,168	.02	49	76
32-02-0047	532883	147377	7-68	2	305	18,935	4.12	780	13	17,110	3.80	651	1-72		31	516	.04	26	37
32-02-0283	524820	151280	3-68	3	244	19,803	3.76	745	36	14,960	4.28	640	3-72		29	725	-.09	17	36
32-02-0283	524821	151280	3-68	2	292	19,545	4.20	820	17	13,695	4.36	597	11-71		25	755	.00	30	47
32-02-0283	530216	151280	7-68	2	253	19,435	4.16	809	21	13,800	4.16	574	7-71		25	729	.01	31	48
32-02-0901	463413	126555	1-64	6	305	16,137	3.67	592	8	13,217	4.15	549	11-71		43	814	-.11	18	39
32-02-9710	444660	133515	10-62	3	296	15,980	4.02	642	27	10,670	4.09	436	2-72		33	765	.03	34	51
32-02-9710	574935	150000	4-69	1	305	14,780	4.42	653	23	11,710	4.16	487	1-72		24	615	.04	30	43
32-02-9710	575512	150000	8-69	1	305	14,640	4.30	629	20	11,850	4.14	491	3-72		24	591	.03	28	41
32-02-9710	575514	150000	7-69	1	305	14,150	4.12	583	23	11,710	4.16	487	1-72		24	559	.01	24	37
32-30-0160	536835	125640	12-68	2	305	18,025	3.96	714	18	16,060	4.07	653	3-72		40	563	.03	26	38
32-30-0902	518152	147254	4-67	3	305	18,473	3.87	715	16	11,647	4.12	480	11-71		29	961	-.04	33	56
32-36-0820	451284	115176	1-63	7	305	18,668	3.97	742	10	15,495	3.59	556	12-71		42	526	.07	30	41
32-36-0820	462965	125472	1-64	6	305	19,410	3.41	662	8	15,070	3.62	545	8-71		44	759	-.09	19	39
32-36-0820	495423	126555	1-66	4	305	24,700	3.14	776	9	14,940	3.68	550	10-71		42	1,688	-.19	41	85
32-36-0821	491514	126555	9-65	3	305	16,940	3.61	612	11	13,113	3.72	488	6-71		41	891	-.06	27	49
32-36-0821	491515	126555	10-65	4	305	15,545	3.81	592	10	12,918	3.73	482	8-71		42	763	-.04	25	44
32-36-0821	497793	126555	5-66	4	305	15,648	3.71	580	9	13,920	3.76	523	3-72		42	663	-.06	19	36
32-36-9590	502349	141934	5-66	4	300	19,190	3.89	747	22	14,765	3.97	586	9-71		30	707	-.02	26	43
32-36-9590	536810	150053	9-68	2	305	20,945	4.18	875	23	16,190	3.79	614	1-72		25	648	.07	35	48
32-36-9590	536813	125640	1-69	1	305	19,800	4.08	807	29	16,930	3.58	606	3-71		35	598	.08	35	47
32-36-9590	540365	151907	3-69	2	300	22,185	3.55	787	19	17,050	3.76	641	3-72		28	728	-.08	19	38
32-36-9590	540367	151907	2-69	2	305	23,005	3.38	778	17	16,965	3.74	635	4-72		28	837	-.12	18	40
32-43-9537	435826	139840	3-62	6	305	16,565	4.33	718	6	13,515	4.08	552	8-71		35	460	.09	30	39
32-44-0542	418472	133709	4-61	6	304	15,878	4.14	658	6	12,000	4.18	502	12-71		35	650	.01	27	42
32-44-0542	529579	141756	11-67	2	305	16,370	3.85	631	12	11,840	3.98	471	9-71		32	617	-.03	21	36
32-44-0905	425849	101853	3-58	6	276	18,018	4.00	720	11	13,615	4.08	555	12-71		37	992	-.02	37	60
32-44-9481	427290	115273	1-61	9	305	15,176	4.22	640	19	12,686	4.21	534	2-72		37	560	.00	23	36
32-44-9481	447991	115273	1-62	7	305	16,482	4.10	675	18	12,274	4.07	499	8-71		37	805	.01	33	51
32-44-9481	447992	115273	7-62	7	298	16,228	3.75	609	19	12,898	4.17	538	7-71		37	686	-.07	18	36
32-44-9481	474845	139286	3-64	5	305	19,362	3.78	732	21	13,020	4.06	529	3-71		35	1,020	-.06	33	58

TABLE 5. BROWN SWISS USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C D	REPT (%)	.......C O W MILK (LB)	I N D E X....... FAT (%)	FAT (LB)	DOL-LARS
32-44-9481	479906	118619	12-64	4	305	16,128	4.28	691	30	12,963	4.08	529	10-71		43	759	.01	32	$ 49
32-44-9481	508394	141777	11-66	4	297	16,630	3.97	660	23	13,277	4.04	536	4-72		39	876	-.02	33	54
32-44-9481	511488	141777	9-66	3	305	18,100	4.29	777	28	12,993	4.13	536	4-71		38	1,074	.03	47	71
32-50-9241	525559	136140	12-67	2	305	17,880	3.94	705	28	12,465	4.08	509	2-71		40	791	-.13	15	36
32-50-9241	525565	148404	2-68	2	305	19,170	4.04	775	23	11,895	4.08	485	2-71		30	1,086	.02	46	71
32-50-9241	535022	148404	7-68	2	297	16,335	4.34	709	19	12,740	4.01	511	8-71		30	658	.07	35	49
32-50-9241	541847	151484	5-69	1	305	19,710	4.16	819	21	13,970	4.02	562	7-71		19	559	.02	25	37
32-68-0005	483768	139055	7-63	6	305	15,167	4.30	652	14	10,822	4.33	469	2-72		35	601	.01	26	40
32-68-9243	440792	127948	5-62	5	305	17,376	3.95	686	7	13,898	4.20	584	2-71		37	764	-.03	27	45
32-68-9243	476808	143648	10-64	5	305	16,914	4.20	711	10	13,226	4.14	548	12-71		32	596	.02	27	40
32-68-9243	484424	142764	7-65	4	305	17,808	4.31	768	9	14,023	4.16	583	5-71		30	599	.05	30	43
32-68-9243	484425	142764	7-65	4	305	19,448	3.84	746	10	13,775	4.21	580	3-71		30	882	-.06	27	49
32-68-9243	501395	146029	4-66	4	305	19,173	3.92	751	9	12,643	4.25	537	9-71		30	995	-.05	33	57
32-81-0870	535377	136140	6-66	3	305	16,333	3.60	588	10	10,950	3.90	427	7-71		42	841	-.15	14	37
32-90-0380	535625	148487	3-68	2	303	13,325	4.13	550	11	11,745	3.95	464	8-71		29	515	.03	25	36
32-92-0041	540161	145490	2-69	1	305	19,070	3.56	678	33	11,940	3.93	469	11-71		24	799	-.08	21	41
33-07-0440	544699	150692	3-69	1	305	18,450	4.02	741	8	12,380	4.09	506	3-71		31	696	.02	31	47
33-07-0440	548109	150692	8-69	1	305	18,090	3.88	702	15	13,810	4.19	579	2-72		31	562	.00	23	36
33-07-0483	541093	125640	1-69	1	305	14,670	3.78	555	9	9,370	4.46	418	9-71		35	724	.00	29	46
33-07-0711	451656	140688	12-62	7	303	16,167	4.21	680	12	12,335	4.14	511	10-71		36	538	.06	29	40
33-07-0910	546409	148487	10-69	1	305	13,370	4.08	546	6	11,030	4.02	443	2-72		24	562	.02	25	38
33-09-0005	523867	102954	11-67	2	304	17,710	3.92	694	12	12,735	4.05	516	4-71		39	645	-.01	25	4[illegible]
33-09-0005	545689	125640	9-69	1	305	15,190	4.06	616	14	12,030	4.02	484	11-71		35	583	.04	29	41
33-18-0216	426494	132785	12-60	6	305	14,160	4.26	603	18	10,630	4.05	431	5-71		35	524	.05	27	38
33-18-0216	490015	136140	11-64	3	305	15,163	4.21	638	15	10,477	4.06	425	2-72		42	754	-.08	20	39
33-18-0216	518325	146501	7-67	2	305	17,860	4.10	732	12	10,225	3.98	407	5-71		29	904	.03	40	60
33-18-0676	501538	144030	7-65	5	303	15,734	3.92	617	11	11,744	3.92	460	2-72		32	620	.00	25	39
33-18-0676	513820	109152	8-66	3	305	16,843	3.42	576	14	11,043	3.85	425	4-71		42	786	-.10	18	39
33-21-0145	568677	125640	12-69	1	305	14,060	3.70	520	8	10,390	4.28	445	3-72		35	609	.00	24	38
33-31-0240	499470	131528	11-65	3	305	16,770	3.94	661	5	11,787	4.23	499	11-71		42	678	-.02	25	41
33-36-0240	543373	150692	3-69	1	305	16,800	4.20	706	7	13,370	4.02	537	7-71		31	489	.05	26	36
33-41-0840	416385	130898	2-61	7	304	16,383	3.97	651	15	12,366	4.15	513	5-71		36	638	.00	25	40
33-44-0310	514842	147745	10-66	3	305	17,656	3.94	695	11	12,806	3.71	475	6-71		33	723	.02	32	48
33-44-0310	535427	142759	6-66	3	305	18,830	3.60	678	10	12,320	3.99	491	12-70		39	934	-.11	23	47
33-44-0310	552536	150692	12-68	1	305	18,900	3.57	674	16	12,840	3.75	482	7-71		31	699	.00	28	44
33-44-0842	541046	125640	1-69	1	305	14,570	4.06	592	8	12,050	4.15	500	4-72		35	535	.04	26	38
33-48-0716	541461	150692	10-68	2	304	18,425	4.33	797	9	15,065	4.49	676	1-72		35	585	.02	26	39
33-48-0716	570595	153159	11-69	1	305	22,720	4.32	981	11	15,570	4.45	693	12-71		19	709	.00	29	45
33-48-0717	520434	102954	6-67	3	301	17,803	4.20	747	8	14,020	4.30	603	2-72		41	583	.01	24	37
33-48-0717	548872	125640	6-69	1	305	20,440	4.26	871	7	14,220	4.22	600	10-71		35	830	.05	40	58
33-48-0717	548873	125640	7-69	1	305	17,150	4.52	776	7	14,220	4.22	600	10-71		35	582	.07	33	45
33-51-0540	457438	140365	6-63	5	294	16,651	3.73	621	6	11,363	3.98	452	3-72		36	883	-.04	30	51
33-51-0540	505079	143835	6-66	4	303	18,195	3.75	682	8	12,005	3.94	473	2-72		39	868	-.03	31	52
33-55-0146	477608	118619	10-64	5	305	17,380	3.88	675	9	12,786	4.01	513	10-71		44	957	-.04	33	56
33-55-0843	564658	125640	9-69	1	305	14,020	4.76	667	5	11,850	4.03	477	12-71		35	507	.10	33	42
33-78-0171	554196	125640	12-69	1	305	15,080	3.80	573	5	12,670	3.87	490	4-72		35	531	.03	25	37
33-78-0171	562301	125640	1-69	1	305	15,730	4.00	629	18	13,560	4.02	545	12-71		35	520	.04	26	37
33-86-0171	552706	125640	9-69	1	305	16,310	4.00	652	12	11,620	4.01	466	12-71		35	695	.04	33	48
33-86-0171	552707	125640	12-69	1	291	14,050	3.86	543	13	11,640	4.00	465	2-72		35	523	.03	25	36
33-86-0440	388511	122173	7-59	8	305	15,570	4.78	744	21	11,755	4.20	494	1-72		36	666	.13	44	56
33-86-0440	460261	137736	12-63	3	305	18,943	4.25	805	27	12,703	4.25	540	12-71		42	524	.06	29	40
33-86-0440	534567	142759	7-68	2	305	19,075	3.94	752	26	13,690	4.35	595	11-71		37	739	-.09	18	37
33-86-0449	522425	137095	10-67	3	305	19,247	3.96	763	11	12,967	4.13	536	12-71		39	725	.01	30	47
33-86-0510	422867	135099	2-61	8	302	16,277	4.15	676	31	12,758	3.96	505	1-72		37	655	.02	29	44
33-86-0682	533777	148875	7-68	1	305	21,670	3.69	800	9	14,740	4.10	605	11-70		24	712	-.05	22	4[illegible]
33-86-0910	426010	102954	10-61	8	299	16,565	4.11	681	9	12,860	4.16	535	6-71		43	610	.00	25	39
33-86-0910	490433	138348	1-64	5	305	18,140	4.07	738	10	12,300	4.19	515	11-71		34	1,084	-.01	42	67
33-86-9442	490509	136139	8-65	4	305	17,860	3.96	708	13	13,095	4.38	573	3-71		35	791	-.05	25	44
33-86-9442	521541	148487	10-67	3	305	16,483	4.29	707	13	12,756	4.21	537	1-72		32	830	.04	38	56
33-86-9442	535625	148487	4-68	1	305	17,720	4.05	718	16	12,270	4.18	513	1-71		24	852	.01	35	55
33-86-9442	535629	148487	7-68	2	305	18,565	4.34	806	11	12,645	4.18	528	1-72		29	1,045	.05	49	72
33-86-9442	535631	148487	8-68	1	305	14,870	4.31	641	14	11,880	4.13	491	3-71		24	628	.04	30	44
33-86-9442	535634	148487	10-68	1	305	16,460	4.17	687	10	12,330	4.14	511	11-70		24	734	.03	33	49
33-86-9442	535635	148487	10-68	2	305	20,195	3.98	804	7	12,855	4.20	540	9-71		29	1,217	-.01	47	75
33-86-9442	536726	148487	11-68	1	305	15,350	3.97	610	16	12,270	4.18	513	1-71		24	640	.00	26	41
33-86-9442	536727	148487	11-68	2	305	16,555	4.78	791	8	12,560	4.12	518	11-71		29	814	.12	48	64
33-86-9442	536729	148487	12-68	2	305	16,240	4.21	683	7	12,965	4.08	529	9-71		29	732	.04	34	50
33-86-9442	544928	148487	2-69	2	305	15,355	4.27	655	13	12,185	4.12	502	3-72		29	711	.04	34	49
33-86-9442	544931	148487	4-69	1	305	19,260	4.30	828	10	12,800	4.09	523	5-71		24	947	.05	44	65
33-86-9442	546411	148487	7-69	1	305	20,570	4.06	835	5	12,930	4.14	535	10-71		24	1,054	.01	44	66
33-86-9442	546496	148487	7-69	1	305	15,460	4.20	649	7	12,790	4.11	526	11-71		24	608	.03	28	41
33-86-9442	548924	148487	8-69	1	305	15,670	4.40	690	5	12,930	4.14	535	10-71		24	615	.05	31	44
33-86-9442	548925	148487	8-69	1	305	16,430	4.09	672	7	12,790	4.11	526	11-71		24	695	.02	30	46
33-86-9442	548926	148487	10-69	1	305	15,880	4.28	680	5	12,930	4.14	535	10-71		24	634	.04	30	44
33-86-9442	555695	148487	1-70	1	305	17,280	4.07	704	13	12,490	4.12	514	3-72		24	795	.02	34	52
33-87-0110	443328	102954	6-62	7	305	15,779	4.29	677	5	12,500	4.14	518	7-71		43	549	.04	27	39
33-87-0110	458116	107915	8-63	6	305	16,703	4.30	720	7	13,075	4.08	534	2-72		44	514	.07	30	40
33-87-0610	492516	114123	12-65	3	305	18,063	4.01	724	5	11,807	3.91	462	2-71		42	607	.04	29	42
33-87-0847	514321	135104	8-66	3	305	15,186	4.25	646	18	12,066	4.07	491	1-72		37	578	.03	27	4[illegible]
33-95-0354	547908	125640	8-69	2	305	14,605	3.94	576	5	10,695	4.21	450	1-72		40	707	.02	31	47
33-96-0343	542004	125640	6-68	2	267	15,710	4.40	691	7	12,740	4.08	520	11-71	8	40	632	.08	36	49
33-96-0512	497193	131528	3-66	3	305	18,770	4.13	776	11	13,280	3.96	526	5-71		42	754	.04	35	52
33-96-0512	518734	131528	9-67	3	305	21,293	3.94	839	8	13,767	3.94	542	11-71		42	997	.01	41	64
33-96-0518	412758	134408	8-60	8	305	15,408	4.11	636	8	12,431	4.04	502	8-71		34	528	.02	24	36
33-99-0515	499574	102954	1-66	2	304	17,320	4.69	812	7	13,475	4.22	569	3-72		39	536	.08	32	42

TABLE 5. BROWN SWISS USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C D	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
34-12-0073	477776	144498	9-64	3	305	16,503	3.76	620	19	11,157	4.02	449	12-71		29	743	-.04	24	$ 42
34-12-0073	488548	144498	6-65	3	305	15,613	3.89	608	19	11,240	3.91	440	4-71		29	605	-.01	23	37
34-13-0116	465764	141776	1-64	6	302	15,825	4.04	640	9	12,378	4.18	518	8-71		36	703	-.04	23	40
34-13-0116	470758	140414	7-64	6	303	18,033	3.97	716	16	13,883	4.03	559	11-71		35	561	.00	23	36
34-13-0116	470766	141776	9-64	4	305	16,312	3.93	641	11	12,230	4.14	506	7-71		35	776	-.05	24	43
34-13-0116	486385	141776	3-65	4	303	16,060	4.39	705	11	13,295	4.09	544	6-71		35	604	.03	28	41
34-13-0116	495784	141776	11-65	4	305	15,200	4.13	628	8	12,382	4.10	508	7-71		35	598	-.01	22	36
34-13-0116	505317	141776	8-66	2	305	19,845	3.25	645	8	13,085	4.12	539	3-71		30	1,011	-.17	18	45
34-13-0116	520275	134071	8-67	3	305	19,360	4.18	809	14	14,820	3.99	591	4-72		41	543	.02	24	36
34-32-0004	493963	118619	12-65	4	305	18,735	4.18	783	14	13,228	4.04	535	7-71		43	1,054	.00	42	66
34-32-0004	542813	132685	8-68	2	305	20,400	4.01	819	17	14,000	4.14	579	10-71		38	630	.01	26	40
34-39-0107	471518	139995	3-64	4	305	15,778	3.89	613	27	11,665	4.03	470	6-71		34	621	-.03	21	36
34-39-0107	484352	126555	6-65	3	304	15,133	3.84	581	8	12,457	4.13	514	4-72		41	748	-.07	20	39
34-41-0010	425371	118783	5-61	8	301	14,035	3.85	541	16	11,780	3.98	469	12-70		42	705	-.01	27	44
34-41-0010	553817	148460	10-69	1	305	16,770	4.60	771	8	10,940	3.87	423	9-71		28	810	.08	43	60
34-41-0142	497533	138750	3-66	4	302	16,532	3.83	634	16	11,707	4.12	482	10-71		42	853	-.09	22	44
34-41-0142	530440	145808	1-67	2	266	18,085	3.72	673	7	12,735	3.85	490	8-71		31	783	-.04	26	45
34-78-0137	473409	126555	8-64	5	305	17,648	3.59	633	9	12,826	4.02	515	7-71		43	1,059	-.11	27	54
35-08-0021	436772	138655	10-61	5	269	16,300	3.92	639	8	11,768	3.98	468	4-71	B	34	719	-.01	28	45
35-11-0035	452227	139290	1-63	5	305	16,868	4.09	690	13	12,594	4.03	507	11-71		33	654	.03	30	44
35-14-0582	485804	141777	1-65	4	300	14,442	3.92	566	5	12,487	4.05	506	6-71		39	679	-.02	24	40
35-14-0582	495138	144118	9-65	5	304	17,948	4.28	768	8	14,180	3.99	566	11-71		37	752	.08	41	56
35-22-0031	324571	118822	11-55	11	298	17,827	3.99	711	15	12,540	4.15	521	4-71		35	1,056	-.03	38	63
35-22-0068	397044	126555	9-59	4	305	14,275	3.81	544	16	11,615	3.79	440	5-71		42	751	-.05	24	42
35-22-0068	441925	126555	7-62	5	305	16,484	3.48	574	20	12,414	3.87	481	9-71		43	954	-.11	24	49
35-23-0038	343021	124052	9-56	4	305	19,113	4.32	825	22	13,885	4.16	578	6-71		34	850	.04	40	59
35-23-0038	402409	132005	1-60	6	305	19,940	4.00	798	17	13,872	4.14	574	3-72		32	984	-.02	37	60
35-23-0063	434250	124403	8-59	2	305	19,810	4.61	913	21	13,405	4.15	556	1-71		35	994	.05	47	69
35-23-0063	498348	139127	1-66	3	295	18,606	4.06	756	13	13,126	4.28	562	7-71		36	545	.02	24	36
35-23-0063	531020	148819	6-68	1	305	21,550	4.38	944	24	15,490	3.88	601	1-72		19	604	.07	34	46
35-24-0051	507967	146410	12-66	3	305	14,730	4.11	605	11	11,486	3.94	452	5-71		33	575	.02	26	39
35-24-0051	526109	146410	10-67	2	305	16,085	3.71	596	11	11,700	3.91	458	4-71		30	674	-.04	22	38
35-27-0012	456524	107915	6-63	5	302	16,864	4.38	739	34	13,564	3.97	538	10-71		44	470	.11	33	41
35-27-0012	526787	107915	1-68	2	305	19,085	3.90	745	32	13,220	4.05	536	1-71		40	633	.02	28	42
35-27-0012	544384	152029	2-69	1	305	19,470	3.91	762	31	13,040	4.10	535	4-71		19	616	-.02	22	37
35-28-0017	350995	118913	9-56	3	305	20,450	4.69	960	18	16,313	4.16	679	6-71		38	417	.16	37	43
35-28-0017	493111	140881	1-66	3	250	19,073	3.98	760	18	13,607	4.15	565	6-71		32	757	-.01	29	47
35-28-0017	533847	144692	8-68	2	305	18,425	3.91	721	19	15,715	4.18	657	3-72		31	695	-.02	25	42
35-28-0362	534760	149565	5-68	2	305	18,070	3.58	647	9	12,085	4.27	516	9-71		25	752	-.10	17	37
35-33-0040	404229	124942	9-59	6	305	13,983	4.18	584	8	9,797	4.00	392	3-71		36	605	.02	27	40
35-33-0411	488307	118619	4-65	4	302	15,925	3.88	618	8	10,765	4.12	443	7-71		43	980	-.05	32	56
35-33-0411	494236	139665	10-62	4	305	15,795	4.11	649	10	10,757	4.18	450	8-71		35	673	.01	28	43
35-35-0008	493825	139536	1-66	4	305	17,605	3.85	677	7	12,110	4.13	500	3-72		40	814	-.06	25	45
35-37-0033	490297	144319	11-65	3	305	15,220	3.86	588	11	11,207	3.95	443	10-71		32	603	.00	24	38
35-42-0050	501833	144952	2-66	3	305	18,613	3.74	696	16	11,533	4.09	472	1-71		29	995	-.06	32	56
35-42-0066	502554	134882	11-62	3	305	13,933	3.72	518	15	9,900	3.84	380	12-71		35	724	-.02	26	43
35-45-0525	420110	133175	1-61	5	255	17,028	4.25	723	11	12,188	4.08	497	11-71		35	762	.04	36	53
35-54-0054	481452	118619	1-65	5	304	15,194	3.97	603	18	11,936	4.24	506	7-71		44	772	-.05	24	43
35-54-0054	488013	131528	6-65	5	305	15,618	4.37	683	18	12,004	4.29	515	11-71		44	567	.04	28	4[illegible]
35-54-0054	547321	151731	5-69	1	305	19,030	4.18	795	18	12,290	4.24	521	9-71		19	638	.00	26	41
35-54-0054	547322	151731	6-69	1	282	20,760	4.28	888	11	14,420	4.22	608	2-72		19	621	.02	28	42
35-54-0054	547324	151731	7-69	1	305	17,580	4.85	852	19	12,580	4.22	531	10-71		19	476	.09	31	4[illegible]
35-56-0112	534438	118619	8-68	2	305	15,460	3.37	521	11	12,280	3.66	450	11-71		40	703	-.07	19	37
35-57-0043	497823	143480	11-65	5	296	18,338	3.63	666	13	13,368	3.94	527	3-72	B	32	802	-.07	23	43
35-57-0045	450798	139767	2-63	5	305	22,862	3.87	884	18	14,334	3.84	550	3-71		32	1,381	-.01	54	86
35-57-0045	505408	143835	9-66	3	303	18,853	3.94	743	22	14,730	3.82	562	2-71		37	592	.03	28	41
35-57-0045	520536	131528	9-67	3	305	19,430	3.72	723	19	13,920	3.78	526	12-71		42	764	-.01	29	47
35-57-0375	493421	131528	8-65	3	294	15,653	4.23	662	22	11,960	4.01	479	1-71	B	42	530	.04	27	38
35-59-0080	419579	130738	6-60	5	305	18,960	3.58	679	17	14,048	4.00	562	6-71		34	773	-.10	18	36
35-59-0080	450230	109953	7-62	6	304	18,371	3.63	667	15	13,825	3.96	548	12-70		42	763	-.06	22	41
35-59-0080	512674	139536	1-67	3	305	19,960	3.86	770	21	15,230	3.95	601	3-72		38	716	-.04	24	41
35-59-0080	540254	139536	5-68	2	305	20,430	4.14	845	20	15,290	4.01	613	12-71		36	690	.00	28	44
35-61-0026	435782	133303	11-61	5	299	15,352	4.36	669	6	12,716	3.77	479	3-71		35	445	.12	33	41
35-61-0026	525165	149572	11-67	2	305	18,300	4.14	757	9	13,945	4.02	561	9-71		25	569	.02	26	39
35-63-0061	410241	127710	6-60	4	305	19,788	3.85	762	13	13,908	3.98	554	1-71		35	954	-.02	35	58
35-63-0061	462498	125472	12-63	6	305	18,485	3.64	673	13	13,123	3.97	521	12-71		44	867	-.09	23	45
35-66-0004	445101	121273	11-62	4	305	20,180	4.35	877	22	15,353	3.98	611	4-71		35	683	.10	40	53
35-66-0004	445102	121212	9-62	6	305	19,547	4.33	846	14	14,372	3.97	571	1-72		36	877	.07	44	63
35-66-0004	458971	121212	3-63	6	305	17,708	4.40	779	15	14,698	4.00	588	1-72		36	558	.07	32	43
35-66-0004	490839	118619	1-65	4	305	18,608	4.32	804	16	15,898	3.99	634	11-71		43	739	.03	34	5[illegible]
35-66-0004	506028	149653	11-66	3	305	21,123	4.07	859	16	14,870	3.98	592	11-71		29	925	.02	40	61
35-66-0004	507898	144591	11-66	2	305	22,090	3.94	871	11	15,660	3.99	625	1-71		29	782	-.02	29	47
35-66-0004	520888	118619	4-67	2	305	24,990	4.02	1004	25	15,845	3.94	624	3-71		40	1,348	-.01	52	83
35-68-0052	408629	135041	9-60	5	296	16,794	4.34	729	16	13,694	4.18	573	2-72		32	510	.04	26	37
35-68-0052	508939	147398	6-66	3	305	19,293	4.29	827	14	14,503	4.25	616	5-71		29	711	.03	32	48
35-68-0052	555051	141843	8-69	1	305	18,480	4.24	783	10	13,370	4.07	544	10-71		25	499	.04	25	36
35-68-0154	406231	107915	4-60	7	305	19,756	4.49	888	20	15,387	3.98	613	3-71		44	633	.13	43	54
35-68-0154	410867	129884	6-60	7	291	17,516	4.04	707	15	13,047	4.09	533	9-71		36	663	.01	28	43
35-68-0154	437706	135479	8-61	5	305	16,920	4.52	765	21	13,498	4.11	555	2-71		34	622	.09	37	49
35-68-0154	449519	110327	11-62	4	305	17,848	4.02	717	33	13,028	4.12	537	4-71		42	758	-.06	23	42
35-68-0154	478362	118619	7-64	4	305	17,278	3.77	652	15	12,553	4.04	507	3-72		43	949	-.07	29	53
35-68-0154	538640	110327	12-68	1	305	20,980	3.99	838	39	13,260	4.03	534	7-71		34	759	-.06	22	41
35-68-0154	552828	142759	5-69	1	305	19,200	4.42	849	40	14,100	4.17	588	1-72		33	580	-.01	22	36
35-68-0154	571457	145427	10-67	1	305	24,520	4.26	1044	32	14,650	4.18	613	10-71		19	958	.03	42	63
41-08-9004	487290	118619	6-62	3	304	16,033	4.15	666	7	13,793	3.92	540	4-71		42	644	.01	27	42

TABLE 9, BROWN SWISS USDA-DHIA HIGH RANKING COWS (CONTINUED),

COW'S LAST HERD CODE	REGISTRATION COW NUMBER	REGISTRATION SIRE NUMBER	COW BORN MO-YR	COW'S AVERAGE PRODUCTION RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	HERDMATE AVERAGES NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C O	REPT (%)	COW INDEX MILK (LB)	FAT (%)	FAT (LB)	DOLLARS
41-08-9004	502236	118619	11-64	5	304	17,478	3.83	670	9	14,022	4.10	575	10-71		44	825	-.06	25	$ 45
41-08-9004	571322	118619	10-68	1	305	13,670	4.59	628	7	11,990	4.00	480	7-71		35	529	.02	24	36
41-08-9004	571324	146292	5-68	2	305	18,435	3.87	713	13	14,050	4.04	568	1-72		36	637	.00	26	41
41-08-9008	489342	145444	4-65	2	305	16,935	4.53	768	6	12,185	4.20	512	12-71		25	597	.07	33	45
41-23-0025	536731	151638	8-68	2	305	18,035	3.79	683	15	12,350	4.16	514	2-72		25	717	-.05	22	40
41-25-0034	389163	124528	9-58	8	303	14,879	3.91	582	7	11,196	4.14	464	8-71		35	655	-.04	21	37
41-25-0034	389164	124528	9-58	9	305	15,626	3.97	620	7	12,372	4.07	503	12-71		35	608	-.03	21	36
41-27-0029	481853	118619	3-65	5	305	15,796	3.79	598	13	12,276	3.92	481	6-71		44	811	-.05	26	46
41-28-0139	440063	135099	9-61	7	260	15,748	4.08	643	29	12,201	4.07	496	12-71		37	651	-.01	25	40
41-28-9008	525996	137095	11-67	2	305	16,520	4.18	690	16	11,240	3.99	449	11-71		37	507	.05	27	38
41-28-9009	478361	118619	3-64	5	295	15,638	3.68	576	13	12,382	3.93	486	1-72		44	777	-.06	23	42
41-28-9009	530855	135487	9-66	3	304	17,327	3.70	641	8	13,030	4.04	527	3-71		41	742	-.10	16	36
41-28-9026	470917	134882	10-63	5	305	19,458	4.45	866	9	13,254	4.05	537	1-71		38	1,134	.09	58	82
41-28-9026	508885	134882	7-66	4	305	17,248	4.42	763	8	14,313	4.06	581	2-72		37	662	.07	36	50
41-40-0019	493404	131528	3-66	4	305	15,560	3.98	619	10	11,758	4.00	470	12-71		43	567	.01	24	37
41-41-0002	498632	139631	7-65	4	305	17,132	3.73	639	5	12,345	4.16	514	3-71		37	754	-.06	22	41
41-42-9026	525702	130709	11-67	2	305	17,530	4.35	763	22	12,210	4.10	501	10-71		40	631	-.02	23	38
41-46-0020	421278	125273	2-61	7	305	17,346	4.20	729	14	12,089	4.07	492	1-72		36	776	.06	39	55
41-46-0050	492465	126555	3-66	4	300	13,560	4.03	547	20	10,608	3.95	419	12-71		42	775	-.03	27	46
41-46-9025	439335	114408	4-62	7	305	16,262	4.00	651	12	11,957	4.03	482	2-72		42	747	.02	32	49
41-52-0021	439996	118619	4-62	6	305	15,502	4.15	644	8	12,502	4.11	514	11-71		44	746	-.01	28	46
41-52-0021	473640	143737	9-64	4	305	19,465	4.03	784	6	13,542	4.01	543	9-71		33	899	.01	37	58
41-55-9174	475955	118619	1-65	5	298	16,646	4.03	671	12	13,646	4.06	554	8-71		44	761	-.03	27	45
41-55-9174	508507	126555	8-65	5	293	16,814	3.83	644	20	14,534	4.01	583	11-71		43	747	-.07	21	40
41-55-9174	525809	151105	11-67	3	299	19,073	3.81	727	20	14,407	4.06	585	10-71		29	692	-.04	22	39
41-55-9174	543924	146292	5-69	1	305	16,150	4.56	737	14	12,500	4.06	508	9-71		32	451	.08	28	37
41-55-9174	553175	143612	12-69	1	305	20,090	3.52	708	10	15,150	3.80	575	2-72		29	659	-.04	21	37
41-66-0210	530852	131528	2-66	3	305	19,483	3.93	765	5	13,133	4.11	540	2-71		42	853	-.02	32	52
41-66-0295	429812	118619	8-61	6	299	14,473	3.67	531	7	11,407	4.05	462	4-71		44	740	-.07	20	39
41-66-0295	533474	148460	6-68	2	305	15,525	4.08	633	14	12,215	4.27	522	12-71		34	683	.00	27	43
41-66-0295	533475	148460	8-68	2	297	16,205	3.64	590	10	11,435	4.02	460	3-72		34	839	-.04	28	48
41-81-0067	508444	148591	12-66	4	305	17,185	4.48	770	9	14,180	4.02	570	2-72		30	482	.10	32	41
41-82-0154	534812	144118	8-68	2	305	16,410	4.12	676	5	13,285	4.19	556	12-71		32	562	.03	26	38
41-84-9091	473280	143433	7-64	6	288	13,536	4.22	571	10	10,186	3.95	402	4-71		36	582	.04	28	41
41-85-0409	502341	118619	5-66	3	305	18,623	4.32	805	19	12,853	4.12	530	10-71		42	1,044	.02	44	68
41-85-9210	498637	139631	5-66	4	304	18,080	3.94	712	6	12,572	4.02	505	12-71		37	856	-.01	33	53
42-03-0007	470082	140088	7-64	5	302	17,148	3.61	619	19	11,746	4.08	479	3-71		32	844	-.09	22	44
42-03-0038	498774	118619	10-65	4	305	15,563	3.45	537	13	12,303	3.89	478	7-71		43	763	-.09	18	38
42-03-0075	479009	144914	11-64	5	293	15,570	3.94	614	11	10,942	4.07	445	2-72		35	670	-.01	25	41
42-03-0075	514541	147407	1-67	3	301	15,253	3.91	597	9	10,600	3.98	422	2-72		33	647	.02	28	43
42-06-0102	510006	141777	11-66	1	305	15,890	3.94	626	12	11,550	4.09	472	11-71		31	826	-.02	31	50
42-08-0004	436909	118142	8-61	7	303	17,134	4.10	702	8	11,999	4.05	486	2-72		41	657	.04	32	46
42-09-0038	498268	125472	9-65	4	303	15,408	4.37	674	8	12,420	3.99	496	11-71		43	533	.03	25	37
42-14-0005	511697	125472	8-64	4	305	19,615	3.79	744	5	14,373	3.67	527	10-71		43	838	-.02	31	51
42-14-0012	452361	139618	4-63	5	305	17,520	4.07	713	11	12,908	3.96	511	3-71		36	777	.02	34	51
42-14-0012	490699	139618	7-65	4	305	15,623	4.12	643	11	12,495	3.98	497	3-71		35	534	.03	25	37
42-16-0055	458708	118619	3-63	6	290	14,423	3.99	575	11	12,088	4.11	497	4-71	8	44	653	-.04	21	37
42-16-0055	470432	118619	6-64	5	265	17,266	3.86	666	10	12,224	3.98	487	7-71	8	44	1,008	-.05	34	58
42-22-0002	479067	118619	6-64	5	301	14,514	4.49	651	12	12,372	4.28	529	6-71		44	632	.02	28	42
42-22-0002	502247	141843	10-65	4	305	17,207	4.49	773	8	12,217	4.24	518	3-72		35	744	.08	40	55
42-22-0002	560990	151171	6-68	2	305	17,865	4.29	767	13	13,175	4.28	564	12-71		25	602	.02	27	40
42-22-0017	396574	99988	10-59	8	305	18,378	3.98	731	22	13,314	4.16	554	1-71		44	754	-.02	28	46
42-22-0017	462550	139536	12-63	6	304	18,303	4.22	773	18	13,448	4.22	568	6-71		41	778	.00	31	49
42-22-0017	496022	118619	1-66	4	305	17,363	4.31	749	21	13,695	4.13	566	7-71		43	831	.01	35	54
42-22-0017	496024	145649	12-65	3	304	18,940	3.97	752	13	13,400	4.17	559	8-70		33	750	-.02	27	45
42-22-0134	481025	118619	12-64	4	305	15,953	3.95	630	9	12,693	4.03	512	7-71		43	768	-.04	26	45
42-22-0134	484845	118619	2-65	5	297	14,812	4.15	614	19	12,390	4.21	521	12-71		44	669	-.02	24	40
42-22-0134	484845	118619	2-65	5	300	15,300	4.01	614	19	12,420	4.20	522	11-71		44	729	-.04	24	42
42-22-0134	485015	141777	2-65	4	302	17,075	4.02	687	17	12,497	4.20	525	11-70		39	1,028	-.02	38	62
42-23-0054	472562	118619	5-64	6	290	14,403	4.23	609	10	12,705	3.83	486	11-71		44	578	.03	27	40
42-23-0054	479625	118619	12-64	6	304	14,795	3.92	580	12	13,048	3.80	496	4-72		44	589	-.01	22	36
42-23-0054	485962	118619	5-65	5	300	17,716	3.34	591	8	12,160	3.87	470	7-71		44	1,075	-.12	27	55
42-23-0054	527717	135487	4-68	2	305	17,880	3.58	640	11	12,530	3.99	500	1-72		39	797	-.11	17	38
42-27-0027	468691	118619	5-64	5	305	14,560	3.85	561	8	12,072	3.88	468	11-71		44	673	-.03	23	39
42-28-0127	477611	118619	7-64	5	305	18,358	3.92	719	9	12,110	4.04	489	8-71		44	1,164	-.04	41	69
42-31-0036	453971	132823	3-63	5	304	16,598	3.81	633	12	13,070	3.89	508	10-71		40	678	-.01	26	42
42-31-0115	500225	145006	2-66	3	305	15,710	4.11	645	7	11,480	4.08	468	12-70		32	731	.00	29	46
42-33-0058	467931	134723	11-63	5	305	18,232	4.29	783	19	13,408	4.15	556	8-71		35	859	.03	39	58
42-33-0066	448736	136268	10-62	7	296	16,267	3.89	633	33	12,034	4.01	482	9-71		36	694	-.02	25	42
42-33-0066	493359	144962	9-65	4	305	17,677	3.28	580	17	11,700	4.09	479	10-71		35	879	-.17	13	37
42-33-0066	538611	149838	8-68	2	295	17,770	4.10	728	19	12,570	4.02	505	2-72		29	671	.02	29	44
42-38-0054	434066	116769	12-61	5	305	19,278	3.40	655	11	11,752	3.93	462	2-72		44	970	-.18	15	42
42-38-0054	459740	118619	7-63	6	287	15,982	3.95	631	10	11,775	4.08	480	11-71		44	894	-.04	31	53
42-38-0087	507331	124403	10-66	2	258	14,530	4.23	615	9	10,100	4.04	408	9-71		35	741	.00	29	46
42-42-0040	497883	141777	1-66	3	298	14,333	4.47	641	16	10,233	4.22	432	9-70		38	914	.03	41	61
42-42-0049	535288	152198	10-68	1	304	20,840	4.07	849	10	15,440	3.50	540	12-70		23	840	.07	43	61
42-42-0049	537443	152198	11-68	1	305	18,630	3.71	692	10	15,440	3.50	540	12-70		23	640	.02	28	42
42-42-0049	539715	152198	1-69	1	305	19,290	3.76	725	14	14,630	3.62	529	3-71		23	766	.01	32	49
42-42-0049	547068	152198	5-69	1	305	16,860	3.79	639	5	13,640	3.95	539	11-71		23	627	-.01	24	39
42-45-0009	535174	150549	7-68	2	303	16,990	3.98	677	9	11,245	4.11	462	9-71		25	711	-.01	27	44
42-46-0024	488895	118619	7-65	5	302	14,962	3.73	558	27	12,914	3.74	483	3-72		44	627	-.03	21	36
42-46-0024	507470	135487	10-66	4	300	17,523	3.42	600	43	13,018	3.80	495	11-71		42	803	-.13	15	37
42-46-0024	507474	144067	6-66	3	302	18,437	3.79	699	36	13,193	3.77	497	12-71		32	757	.00	30	48
42-46-0024	507484	147363	10-66	3	305	17,733	3.67	651	31	13,160	3.74	492	12-71		32	706	-.03	24	41
42-46-0024	525922	147363	12-67	2	305	20,635	3.55	733	28	13,375	3.79	507	8-71		29	965	-.06	30	54

TABLE 5. BROWN SWISS USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C D	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
42-48-0067	479065	118619	8-64	5	305	16,214	3.84	622	8	11,672	4.13	482	4-71		44	936	-.06	29	$ 52
42-48-0067	482725	118619	3-65	4	305	16,348	3.54	578	5	11,305	4.04	457	5-71		43	973	-.10	26	51
42-48-0067	528652	118619	8-67	2	265	13,550	4.11	557	10	11,015	4.18	460	8-71	8	40	624	-.02	22	37
42-50-0005	504575	130785	3-63	4	305	15,523	3.90	605	10	11,270	4.17	470	8-71		33	639	-.04	20	36
42-50-0005	504581	118619	9-62	3	305	14,020	4.06	569	7	10,060	4.00	402	3-71		42	801	-.02	30	49
42-50-0006	490542	118619	10-64	4	305	15,725	4.17	655	14	13,278	4.09	543	7-71		43	674	-.01	26	42
42-54-0018	533100	135487	4-68	3	287	16,780	3.60	604	17	12,107	4.00	484	3-72		41	775	-.11	16	37
42-54-0018	543543	135487	12-68	2	305	17,620	3.55	626	17	12,350	4.06	501	1-72		39	787	-.12	15	36
42-54-0018	553701	135487	5-69	2	294	16,680	3.91	652	18	12,385	3.96	491	2-72		39	686	-.06	19	36
42-71-0036	436831	118619	7-61	6	297	16,657	3.69	615	6	11,953	4.03	482	5-71		44	961	-.08	28	52
42-71-0036	480445	118619	1-65	5	298	16,468	4.06	669	8	13,240	3.94	521	7-71		44	785	.00	31	49
42-71-0037	414012	118619	2-61	7	302	16,943	3.83	649	7	11,623	3.95	459	5-71		44	1,037	-.04	36	61
42-71-0037	509599	118619	10-66	3	305	16,383	3.53	579	9	11,960	3.89	465	4-71		42	877	-.08	25	47
42-71-0037	546553	148609	5-69	2	304	15,695	3.95	620	6	11,635	3.94	459	4-72		30	501	.05	27	37
42-71-0037	546555	148609	6-69	1	305	17,450	4.11	717	7	11,360	3.91	444	11-71		25	563	.07	32	43
42-71-0057	444023	118619	9-62	4	292	13,780	3.79	522	5	10,158	3.74	380	9-71		43	781	-.03	27	46
42-72-0019	457033	118619	4-63	5	305	15,498	3.76	583	11	12,268	3.96	486	3-72		44	773	-.05	24	43
42-72-0019	501390	136140	6-66	2	305	19,020	3.62	689	12	13,090	4.00	523	10-71		40	850	-.16	12	36
42-82-0054	430958	118619	9-61	7	305	13,556	4.37	593	14	11,999	4.05	486	8-71		44	551	.02	25	37
42-82-0071	484389	118619	9-64	6	305	14,142	4.33	613	22	11,377	4.25	483	3-72		44	700	.00	28	44
42-82-0071	491888	141708	9-65	4	305	15,570	4.16	647	14	11,250	4.21	474	2-72		33	608	.01	25	39
42-82-0082	456039	136268	2-63	2	305	17,425	4.14	721	14	13,410	3.96	531	5-71		30	563	.02	25	38
42-82-0082	505274	148005	10-66	3	305	19,480	3.65	711	9	12,820	4.05	519	9-71		29	954	-.08	23	52
42-82-0082	536152	149554	9-68	2	276	18,345	4.09	750	8	13,800	3.88	536	3-72	8	29	634	.04	31	45
42-82-0084	436509	118619	7-61	8	305	14,489	4.15	601	12	12,259	4.19	514	3-72		44	642	-.02	23	38
42-82-0084	479913	142101	8-64	5	305	16,886	4.12	695	14	12,154	4.11	499	6-71		35	818	.01	34	53
42-82-0084	550219	152895	7-69	1	305	19,520	3.95	772	12	11,340	4.29	486	12-71		19	766	-.03	27	45
42-84-0050	503195	143719	6-65	6	298	15,695	3.99	626	18	11,720	3.92	459	3-72		35	560	.01	24	37
42-84-0058	408664	118619	3-60	9	305	15,120	4.09	618	9	13,334	4.04	539	1-72		44	598	-.01	22	36
42-84-0058	513099	147330	12-66	3	305	19,993	4.12	824	13	13,156	4.02	529	2-72		33	1,079	.05	50	74
42-84-0058	522875	147330	10-67	3	305	15,670	4.14	648	13	13,306	3.89	517	3-72		33	482	.07	28	35
42-84-0058	536296	147330	8-68	2	305	17,795	4.18	743	14	13,200	3.89	513	3-72		30	717	.07	38	53
42-84-0058	536297	147330	9-68	1	305	17,870	4.53	809	17	13,480	4.09	551	11-70		24	575	.08	34	45
42-84-0058	549495	151543	8-69	1	305	18,650	3.99	744	19	12,640	3.96	500	11-71		19	572	.00	23	36
42-84-0108	556620	150148	12-69	1	305	22,670	3.74	848	19	15,440	3.76	580	3-72		19	715	-.02	26	43
42-84-0108	556622	150148	8-68	1	305	30,170	3.24	976	8	13,530	3.77	510	6-71		19	1,591	-.13	45	35
42-84-0108	556631	150148	9-68	1	305	19,100	3.94	752	19	13,080	3.88	508	10-71		19	578	.01	24	37
42-85-0275	547356	143612	8-69	1	305	19,870	3.98	791	5	14,220	4.09	582	1-72		29	710	-.01	27	44
42-94-0004	375225	118619	6-58	6	305	15,602	4.34	677	13	12,677	4.12	522	1-72		44	738	.02	32	49
42-94-0004	456421	141776	6-63	7	305	18,098	3.78	685	29	14,324	4.03	577	11-71		36	780	-.08	21	41
42-94-0004	473789	118619	6-64	5	305	16,576	3.87	642	22	14,330	3.98	571	1-71		44	671	-.04	21	38
42-94-0004	474399	137486	2-64	6	274	19,092	3.80	726	15	13,873	3.99	554	6-71		35	844	-.04	29	49
42-94-0004	479624	132823	12-64	5	301	17,964	3.92	705	15	12,966	3.87	502	5-71		40	381	.01	37	57
42-94-0004	488470	118619	2-65	3	305	17,203	3.90	671	24	14,680	4.03	591	5-71		42	687	-.04	22	39
42-94-0004	496064	144118	10-65	4	304	17,227	4.45	766	21	14,292	4.06	580	8-71		36	618	.10	38	50
42-94-0004	501339	139385	6-63	3	305	19,680	4.13	812	26	14,693	4.06	596	2-72		29	742	.02	32	49
42-94-0004	514755	138750	6-67	3	305	19,030	3.98	758	31	14,306	4.12	590	12-71		41	835	-.07	24	45
42-94-0004	525687	118619	2-68	2	305	17,760	3.98	706	21	14,510	4.02	584	3-71		40	733	-.03	26	44
42-94-0004	533931	125640	11-68	1	305	16,790	4.36	732	32	15,010	4.02	604	5-71		35	501	.08	30	40
42-94-0004	548976	151372	7-69	1	305	18,980	4.26	808	29	13,690	4.21	577	9-71		24	524	.02	24	36
42-94-0004	554645	118619	9-69	1	305	19,740	3.69	728	22	15,020	4.14	622	2-72		35	761	-.07	22	42
42-94-0005	495534	144332	1-66	3	305	19,386	3.69	715	9	12,320	4.19	516	10-70		33	1,102	-.09	32	60
42-94-0005	503739	144332	12-66	3	305	15,720	4.20	660	9	11,976	4.08	489	7-71		33	652	.01	28	43
42-94-0010	492067	143173	8-65	5	305	16,828	3.82	643	5	13,050	3.80	496	3-72		36	717	-.04	24	41
42-96-0028	517651	144905	3-67	3	305	16,630	4.43	736	10	12,670	3.86	489	2-72		33	398	.15	35	41
42-96-0101	483389	138032	2-65	4	281	14,992	4.31	646	6	11,947	4.15	496	11-70	8	35	513	.05	27	38
42-96-0101	491741	138032	1-66	4	293	15,510	4.09	635	7	11,290	4.23	478	9-71		35	671	.00	27	42
42-96-0133	479650	118619	12-64	4	305	15,728	4.16	655	9	12,623	4.12	520	7-71		43	748	-.01	28	46
42-96-0133	486180	131528	5-65	5	298	15,962	3.85	615	20	12,046	4.07	490	1-72		44	607	-.02	22	35
43-20-0008	499294	141907	1-66	4	285	22,690	3.97	901	20	14,605	4.05	591	10-71		35	1,347	-.01	52	83
43-20-0008	505835	130709	7-66	3	291	19,853	3.86	766	30	12,643	3.97	502	1-72		42	930	-.07	28	51
43-20-0008	507698	130709	12-66	3	305	20,033	3.66	733	22	12,856	3.94	506	3-72		42	928	-.11	23	47
43-20-0008	507699	130709	11-66	2	305	22,925	3.84	881	24	13,230	3.93	520	4-71		40	1,087	-.07	34	61
43-20-0008	516544	135487	2-67	3	305	16,220	4.06	658	27	12,347	4.11	507	10-71		41	685	-.06	20	37
43-20-0008	536477	130709	12-68	1	297	22,650	4.06	920	34	11,790	3.99	471	1-72		35	912	-.05	30	52
43-23-0037	401489	121266	12-59	3	305	17,537	4.02	705	9	11,970	3.92	469	6-71		35	871	.02	38	56
43-33-0042	506665	143929	7-66	4	299	15,418	4.11	633	27	12,168	4.11	500	9-71		34	620	-.01	24	38
43-75-0123	489072	118619	1-65	5	299	14,850	4.26	633	13	12,012	4.18	502	5-71		44	718	-.01	28	45
45-02-0004	461502	118619	9-63	4	305	15,245	4.08	622	11	11,980	4.19	502	1-71		43	760	-.03	26	44
45-02-0004	461503	118619	9-63	6	304	15,005	3.97	595	10	12,272	4.17	512	2-72		44	708	-.05	22	39
45-02-0004	462553	118619	10-63	6	305	16,380	3.97	650	11	12,527	4.16	521	9-71		44	857	-.05	28	49
45-09-0042	432498	118619	2-62	7	302	19,379	4.11	818	9	14,791	4.21	623	9-71		44	1,048	-.03	38	63
45-09-0042	490222	114408	9-65	5	305	18,066	4.24	766	6	15,932	4.14	659	2-72		42	509	.04	26	37
45-09-0042	493192	114408	2-66	3	305	20,110	4.37	879	9	16,313	4.08	666	2-71		40	583	.08	38	52
45-09-0042	506658	114408	11-66	4	305	19,225	4.04	777	6	15,772	4.17	658	11-71		41	564	.00	27	42
45-09-0042	521954	136140	12-67	3	299	21,273	3.81	810	7	15,070	4.14	624	3-72		42	984	-.15	19	45
45-09-0042	542235	148551	5-69	1	100	19,570	4.26	833	10	16,320	4.03	657	8-71	8	24	535	.04	27	38
45-51-0051	545160	148460	7-69	1	284	13,570	4.37	593	5	10,840	4.16	451	7-71		28	549	.03	26	38
46-17-0001	515223	144647	1-67	3	305	17,413	3.97	692	5	12,416	4.22	524	5-71		32	804	-.04	27	47
46-17-0001	527612	144647	8-67	2	301	17,425	3.98	693	7	12,555	4.25	533	6-71		29	719	-.04	24	41
46-26-0039	505053	141777	7-66	2	296	14,185	3.66	519	9	10,150	4.08	414	12-71	8	35	864	-.06	27	48
46-52-0043	514256	144320	2-67	3	303	16,540	3.92	648	7	11,583	3.92	454	10-71		31	811	.00	32	51
46-52-0043	514257	144320	8-66	3	305	14,983	3.96	594	6	11,597	3.90	452	10-71		31	595	.01	25	39
46-52-0043	514258	144320	2-67	3	305	14,077	4.29	604	7	10,910	4.01	437	10-71		31	555	.04	28	40
46-56-0100	496772	140297	3-65	4	303	16,495	4.13	681	9	13,358	3.77	504	10-71	8	30	490	.06	27	37

TABLE 5. BROWN SWISS USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C D	REPT (%)	.......C O W MILK (LB)	I N D E X....... FAT (%)	FAT (LB)	DOL-LARS
46-60-0028	531927	150954	5-68	2	305	15,445	4.30	664	22	11,575	4.17	483	4-71		29	504	.04	25	$ 36
47-01-0022	463152	118619	1-64	4	305	17,810	3.95	703	7	14,188	4.06	576	7-71		43	832	-.04	28	48
47-01-C022	487768	125472	12-64	5	305	19,454	4.02	782	8	15,294	4.05	620	1-72		44	738	-.03	26	44
47-01-0022	487769	125472	4-65	3	305	18,787	4.09	769	8	14,670	4.12	605	2-71		42	671	-.02	24	40
47-20-0009	474302	139283	8-64	4	305	18,810	3.85	725	5	14,027	4.17	585	1-71		40	709	-.04	23	40
47-20-0009	538266	151022	12-68	2	305	18,900	4.28	808	7	15,145	4.20	636	12-71		30	578	.02	26	39
47-20-0025	447233	118619	2-63	6	304	15,985	4.00	639	19	13,522	4.18	565	7-71		44	689	-.04	22	39
47-20-0025	515682	135487	2-67	3	304	18,690	3.82	714	19	13,860	4.13	573	10-71		41	814	-.09	20	41
47-20-0025	570554	149541	2-70	1	305	20,190	4.24	857	12	14,080	3.87	545	11-71		23	498	.07	29	39
47-34-0013	510492	135487	10-66	3	305	17,753	3.39	601	28	11,610	4.26	495	11-71		41	941	-.17	15	41
47-48-0043	505278	125472	10-64	6	301	16,175	4.72	763	13	12,953	4.27	553	1-72		44	585	.06	31	43
47-48-0043	526177	126555	11-66	4	298	13,100	4.98	653	25	11,718	4.42	518	9-71		42	591	.04	29	42
47-48-0043	531008	149445	3-68	2	305	17,255	4.20	725	20	10,710	4.37	468	8-71		29	834	.02	36	55
47-55-0003	519318	135487	8-67	2	305	15,135	4.27	646	10	9,435	4.36	411	9-71		39	801	-.05	26	46
47-70-0034	526298	149516	3-68	2	305	16,265	4.25	692	29	10,420	4.01	418	8-71		34	584	.05	30	42
47-70-0034	543082	152016	10-68	2	292	15,040	3.92	590	19	9,760	4.09	399	11-71		28	773	-.02	28	46
47-71-0020	432562	118619	10-61	7	298	16,294	4.09	667	5	11,157	4.12	460	9-71		44	1,007	-.02	38	62
47-71-0020	443916	118619	7-62	6	297	15,862	4.03	639	7	11,998	4.05	486	2-71		44	852	-.02	31	51
47-71-0020	464588	118619	9-63	5	303	13,960	4.28	598	7	12,464	3.95	492	2-71		44	549	.02	25	37
47-71-0024	468201	117219	5-64	6	302	17,225	4.06	700	29	12,640	4.11	519	11-71		42	621	-.01	24	38
47-71-0024	475172	117219	11-64	5	299	17,818	4.05	722	12	13,270	4.11	546	6-71		42	625	-.01	24	39
47-71-0024	482745	118619	2-65	4	304	15,260	4.19	639	22	12,915	4.08	527	7-71		43	657	.00	26	41
47-71-0024	510940	135487	9-66	3	303	18,773	3.77	708	23	12,610	4.27	538	8-71		41	955	-.11	23	48
47-71-0024	520644	135487	7-67	3	299	18,090	3.70	669	30	12,433	4.29	533	8-71		41	894	-.13	19	43
47-71-0024	548375	135487	7-69	1	305	20,600	3.86	795	31	11,760	4.35	512	8-71		35	929	-.10	24	48
48-05-0075	486675	140390	8-65	1	303	17,290	3.55	614	11	12,790	3.70	473	1-72		25	666	-.02	24	40
48-14-0010	448469	124652	10-62	6	305	17,315	4.29	742	27	12,948	4.19	543	3-71		44	522	.04	26	37
48-14-0010	471939	126555	11-63	3	305	17,763	4.28	761	31	12,687	4.27	542	3-71		41	1,032	-.02	38	62
48-14-0010	479290	140390	10-64	5	298	16,668	4.32	720	32	12,452	4.20	523	8-71		36	851	.04	40	59
48-14-0010	480882	140390	9-64	5	297	15,060	4.50	677	24	12,710	4.24	539	4-72		36	578	.06	31	43
48-14-0010	494047	140390	2-66	4	299	14,942	4.22	631	29	12,122	4.26	517	8-71		35	630	.01	27	41
48-14-0010	509480	140390	8-66	3	293	14,683	4.32	635	34	12,386	4.29	531	11-71		33	541	.03	25	37
48-34-0026	470926	118619	7-64	4	305	14,653	3.69	540	14	11,548	4.04	466	4-71		43	734	-.07	20	39
48-34-0026	520134	143103	6-67	2	303	15,935	3.82	609	7	10,600	4.00	424	12-70		36	614	-.02	22	37
48-34-C026	525727	148460	3-68	2	305	14,505	4.03	584	5	12,050	4.00	482	10-71		34	584	.01	25	38
48-34-0026	525729	148460	3-68	1	305	14,600	4.14	604	6	11,240	4.16	468	8-70		28	605	.01	26	[illegible]
48-34-0026	535561	148460	7-68	1	305	19,160	3.88	743	10	13,120	3.62	475	3-71		28	846	.02	37	56
48-34-0045	478576	140390	7-64	5	303	17,974	3.73	671	18	12,966	3.93	509	9-71		36	977	-.04	34	57
48-34-0045	511209	147207	9-66	3	305	16,833	3.87	652	10	13,240	3.92	519	7-71		32	680	-.02	25	41
48-34-0045	511212	147207	12-66	3	305	18,030	3.61	651	9	11,790	3.89	459	2-71		32	1,017	-.06	33	58
48-34-0045	511213	147207	1-67	4	292	17,870	3.90	697	7	14,372	3.89	559	2-72		34	714	.00	28	45
48-34-0045	525776	147207	7-67	2	305	19,685	3.70	728	6	12,465	3.90	486	12-70		29	1,054	-.05	36	61
48-34-0045	530627	147207	8-67	2	305	20,255	3.78	766	7	14,765	3.83	566	2-72		29	875	-.02	32	53
48-34-0045	530638	147207	3-68	2	305	18,950	3.96	751	10	14,430	3.78	546	11-71		29	755	.01	32	49
48-34-0045	538998	147207	8-68	1	305	17,880	4.28	766	7	12,610	3.79	478	5-71		24	682	.05	34	49
48-34-0045	539004	147207	12-68	1	305	20,120	3.66	736	7	12,610	3.79	478	5-71		24	882	-.03	31	52
48-34-0045	539006	147207	1-69	1	304	17,180	4.06	697	7	12,610	3.79	478	5-71		24	619	.02	28	42
48-44-C163	478442	118619	9-64	4	301	18,113	4.23	767	20	13,935	4.16	579	5-71		43	898	.00	36	57
48-44-0163	479075	118619	9-64	3	305	18,597	4.12	766	17	13,683	4.23	579	11-71		42	954	-.03	34	57
48-44-0163	521515	126555	12-67	2	305	18,135	3.79	688	18	16,035	3.94	631	5-71		39	707	-.06	20	38
48-44-C186	503825	118619	9-65	3	301	13,657	4.10	560	7	11,527	4.03	465	12-71	8	42	605	-.02	22	36
48-71-0056	486851	140390	9-65	4	303	14,570	3.91	570	8	11,647	4.04	470	11-70		35	638	-.01	24	39
48-71-C057	465323	118619	11-63	6	272	13,120	4.53	594	8	11,575	4.00	463	1-72		44	544	.05	28	39
48-71-C057	488727	118619	11-61	3	300	14,243	3.78	538	9	10,740	4.07	437	10-71		42	756	-.05	23	42
48-84-0029	438654	138741	6-62	5	305	15,002	3.91	586	18	10,910	4.01	437	4-72		32	623	-.01	23	36
48-99-0040	492749	126555	11-65	3	294	14,103	3.74	527	13	10,773	3.90	420	3-71		41	805	-.06	24	44
51-04-9170	430604	135099	8-61	6	293	15,791	3.88	612	61	12,405	3.97	492	7-71		37	630	-.03	21	36
51-04-9170	506080	136688	10-66	3	303	15,650	4.09	640	36	11,347	4.00	454	7-71		35	497	.04	25	36
51-04-9170	524062	148648	1-68	2	305	18,450	3.92	723	40	11,535	3.96	457	8-71		25	863	-.01	33	53
51-04-9170	544728	135104	4-68	2	305	15,485	4.01	621	49	11,365	3.99	454	9-71		34	643	.00	26	41
51-05-9132	489730	144147	8-65	5	299	17,300	4.05	700	29	13,072	4.12	538	3-72		32	679	.00	27	43
51-07-C423	439626	109152	10-60	3	212	16,980	4.21	715	13	12,443	4.15	516	10-71		42	655	-.01	25	40
51-17-9018	502329	144154	5-66	3	305	15,270	3.86	589	11	11,013	4.01	442	4-71		33	620	-.02	22	37
51-17-9018	521093	148705	8-67	2	305	15,525	3.96	615	28	9,825	4.05	398	8-71		25	687	-.01	26	42
51-17-9157	464254	135095	1-64	5	304	19,160	4.17	799	20	13,576	4.18	567	6-71		44	571	.05	29	41
51-17-9157	491670	145125	9-65	3	305	17,966	4.38	787	13	13,570	4.27	580	2-71		32	636	.02	28	42
52-07-6127	516357	141580	1-67	3	276	15,426	4.27	658	6	11,403	3.97	453	7-71		35	535	.08	32	42
52-29-C103	517946	142224	4-67	3	305	20,526	3.81	783	24	13,280	3.90	518	1-72		34	860	-.02	32	52
52-29-0103	533957	125640	8-68	2	305	18,670	3.87	722	24	12,510	3.94	493	9-71		40	955	.03	42	63
52-29-C103	534316	125640	8-68	2	305	15,345	4.16	639	19	13,135	3.90	512	1-72		40	558	.07	31	42
52-29-0103	537161	125640	1-69	1	305	18,890	4.05	765	27	14,170	3.95	560	11-71		35	717	.05	35	50
52-29-C103	541214	125640	3-69	1	305	20,530	4.73	971	27	13,470	4.05	545	10-71		35	888	.12	52	70
52-56-0022	463424	114431	1-64	5	305	15,776	4.09	646	24	11,752	4.08	480	9-71		36	710	.00	29	45
52-82-0080	431514	135487	6-61	7	263	20,477	4.10	839	17	17,214	4.21	724	7-71	8	43	716	-.07	20	38
52-82-0080	458218	124652	7-63	6	304	25,432	4.12	1047	12	15,475	4.03	624	2-71		44	1,275	.04	56	85
52-82-0080	518531	146046	7-67	2	305	17,725	4.59	814	15	14,965	4.02	601	4-71		29	594	.09	36	48
52-82-0080	555175	146047	7-69	1	305	16,190	4.94	800	13	14,400	4.27	615	10-71		24	427	.09	29	37
55-18-0027	489500	126555	10-65	5	300	16,858	3.81	642	7	14,078	3.94	554	4-72		43	806	-.06	24	44
55-28-0033	498673	145880	12-65	4	305	16,312	4.14	676	16	12,332	4.22	521	9-71		33	627	.00	25	39
56-41-0041	524490	148818	2-68	2	305	17,260	3.84	663	25	12,805	3.70	474	8-71		25	567	.01	24	37
57-53-0512	455604	118619	6-63	6	304	14,545	3.85	560	14	12,573	3.87	486	1-72		44	612	-.03	21	36
57-53-0512	457986	139037	9-63	4	305	20,198	3.64	735	12	12,815	3.92	502	2-71		33	1,112	-.06	36	63
57-53-0512	464815	107915	6-63	5	305	16,778	3.65	613	15	12,510	3.92	491	10-71		44	583	-.01	22	36
57-53-0521	485728	144692	8-65	5	305	19,772	4.28	846	14	15,642	4.09	640	10-71		36	964	.06	47	68
57-53-0521	540108	138750	3-69	2	302	22,300	3.36	750	15	15,225	3.69	562	3-72		39	1,032	-.13	24	51

TABLE 5. BROWN SWISS USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C O	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
57-56-0506	439913	118619	8-62	2	305	17,400	3.42	595	54	12,720	3.75	477	10-71		40	860	-.08	24	$ 46
57-56-0506	521988	147172	12-67	3	305	18,153	3.62	658	38	14,430	3.67	530	3-72		33	673	-.03	23	39
57-56-0506	521996	147172	7-67	2	305	17,530	3.45	605	41	13,065	3.61	472	5-71		30	690	-.05	21	38
57-56-0506	524976	147349	10-67	2	305	17,785	3.69	656	57	13,100	3.65	478	9-71		30	714	-.03	25	42
57-56-0506	534739	150943	12-68	2	305	20,265	3.66	742	51	14,655	3.72	545	2-72		29	856	-.04	29	50
57-56-0506	548487	147377	7-69	1	305	17,770	3.71	660	53	13,220	3.70	489	11-71		26	668	-.02	24	40
57-69-0502	462143	102073	3-64	5	305	15,756	4.07	641	6	10,892	4.23	461	7-71		38	625	-.01	24	39
58-03-0042	429769	132658	12-61	6	305	16,938	3.64	617	35	12,038	3.91	471	10-71		35	755	-.06	22	41
58-03-0042	499622	141777	9-65	3	305	15,050	3.94	593	47	12,203	3.98	486	8-71		38	783	-.02	29	48
58-03-0042	522273	146693	9-67	3	304	16,917	4.26	720	37	12,947	4.04	523	12-71		34	643	.06	34	47
58-03-0042	524966	147349	12-67	1	305	20,490	3.97	813	37	13,600	4.02	547	12-70		25	785	-.02	29	48
58-03-0042	524969	147349	8-67	3	295	16,473	3.95	650	31	12,923	4.03	521	2-72	B	33	627	-.02	22	37
58-03-0042	524978	147349	11-67	2	304	18,780	3.64	683	44	12,535	3.93	492	6-71		30	890	-.06	27	49
58-03-0042	529555	118619	10-67	2	305	16,600	4.07	675	50	13,035	3.94	513	10-71		40	750	-.01	29	47
58-08-0045	446270	114431	9-62	5	294	17,730	3.72	660	26	13,688	3.86	528	6-71		36	741	-.04	25	43
58-08-0045	492887	126555	3-66	2	305	18,500	3.09	572	31	15,215	3.52	536	4-71		39	821	-.12	17	39
58-08-0045	504483	126555	4-66	3	304	18,767	3.47	652	23	15,170	3.47	526	9-71		41	888	-.06	27	49
58-08-0045	514856	147172	1-67	2	305	20,025	3.40	680	21	15,100	3.49	527	12-70		30	768	-.05	24	43
58-08-0045	521997	147172	8-67	3	297	16,870	3.65	616	19	13,856	3.49	484	9-71		33	572	.00	23	36
58-08-0045	538087	146947	6-68	1	305	17,680	3.69	653	43	14,580	3.47	506	7-71		32	729	.01	30	47
58-08-0045	540647	125640	1-69	1	305	22,670	2.85	646	33	14,790	3.62	536	1-72		35	960	-.08	28	52
58-08-0045	540648	125640	12-68	2	301	18,240	3.56	649	35	14,985	3.53	529	2-72		40	683	.03	31	46
58-08-0045	540650	146947	2-69	1	305	18,230	3.63	662	47	15,100	3.47	524	4-71		32	736	.00	29	46
58-08-0045	543487	125640	12-68	1	305	17,620	3.55	626	46	15,100	3.47	524	4-71		35	558	.04	27	39
58-08-0061	532519	148460	4-68	1	305	17,260	2.97	513	12	11,190	3.57	400	11-70		28	833	-.08	23	44
58-09-0027	542237	138750	4-69	2	305	20,210	3.21	649	13	14,045	3.89	546	4-72		39	925	-.16	15	4[illegible]
61-10-0045	530548	125640	6-68	1	305	15,070	3.76	566	21	12,980	3.44	447	6-71		35	509	.06	28	38
61-24-0066	499989	107915	4-66	3	301	16,150	4.38	708	20	12,923	4.01	518	10-71		42	407	.10	29	36
61-24-0066	532233	125640	9-68	1	305	17,890	3.98	712	23	14,640	3.92	574	5-71		35	609	.04	30	43
61-24-0066	537232	125640	9-68	2	305	18,750	3.80	712	18	13,975	4.10	573	1-72		40	828	.00	33	52
61-24-0066	537237	125640	11-68	1	305	16,980	4.23	719	11	14,090	3.93	554	3-72		35	578	.07	32	44
61-24-0066	551469	125640	10-69	1	305	17,350	3.76	652	17	14,860	3.94	585	10-71		35	553	.02	25	37
61-30-0023	453789	115176	5-63	6	305	15,573	3.83	597	16	11,125	4.05	451	9-71		42	639	-.02	23	38
61-30-0023	465443	115176	6-63	6	302	17,118	3.86	660	19	11,140	4.05	451	1-72		42	844	-.01	32	52
61-30-0023	491629	144242	12-65	4	305	16,910	3.57	604	17	11,265	4.02	453	11-71		33	751	-.08	20	39
61-33-0021	453441	118619	11-62	3	305	13,867	4.05	562	10	11,043	3.92	433	3-72		42	680	-.01	26	42
61-33-0021	525366	149717	2-68	2	301	16,155	4.19	677	21	12,100	3.78	457	9-71		29	549	.07	31	42
63-09-0010	496277	135101	7-65	4	263	21,125	3.57	754	7	14,817	3.81	565	3-71		40	916	-.05	30	52
63-25-0018	469658	135101	3-64	6	299	16,231	4.02	652	9	12,698	3.76	477	2-72		41	545	.05	28	39
63-28-0017	457945	124652	9-63	5	305	16,286	3.79	617	11	11,194	3.84	430	4-71		44	593	-.01	23	37
64-05-0115	522750	148347	11-66	3	303	15,493	4.26	660	22	12,506	4.04	505	8-71		32	536	.05	28	39
64-05-0115	522752	148347	5-67	3	303	15,253	4.37	666	21	11,973	4.13	494	8-71		32	568	.06	30	42
64-05-0115	523419	148347	12-67	2	305	17,025	4.59	782	16	13,580	4.22	573	2-72		29	563	.08	33	44
64-51-0101	430507	123323	10-61	4	305	14,795	3.85	569	20	11,533	4.01	462	5-71		42	707	-.07	19	37
64-51-0101	518968	146689	4-67	3	303	17,223	4.08	702	21	13,180	4.13	544	12-71		32	627	.00	25	39
73-36-0027	491869	135487	11-65	4	298	15,743	3.93	618	14	11,420	4.02	459	3-72		42	760	-.07	21	4[illegible]
73-36-0027	534539	147354	7-68	2	305	16,995	4.64	788	14	13,035	4.04	527	3-72		29	411	.10	30	37
73-37-0023	501812	145583	3-66	3	305	21,263	4.15	883	14	16,507	4.00	660	6-71		29	735	.03	34	5[illegible]
73-74-0012	439374	135099	3-62	6	299	16,583	3.70	614	22	12,285	4.00	492	8-70		37	761	-.07	21	4[illegible]
73-74-0012	491719	131528	9-65	4	295	18,033	4.06	732	11	14,568	3.94	574	7-71	B	43	560	.03	26	38
74-10-0219	492102	126555	8-65	3	300	16,720	3.72	622	46	14,803	3.69	546	12-71		41	687	-.04	22	39
74-10-0219	501001	122242	3-66	4	244	18,655	3.25	606	34	14,367	3.72	535	4-72	A	39	925	-.13	20	44
74-10-0219	503268	140359	7-66	2	305	20,290	3.71	753	51	15,155	3.69	559	3-72		25	683	-.01	26	42
74-10-0219	525563	148404	12-67	3	305	17,520	4.22	739	26	13,310	3.91	520	4-72		33	791	.06	40	57
74-10-0219	525564	148404	1-68	1	305	18,790	3.94	740	38	15,330	3.79	581	4-72		24	578	.03	27	4[illegible]
74-10-0219	548972	148551	8-69	1	305	22,230	3.34	742	79	14,540	3.64	529	10-71		24	915	-.06	29	52
74-10-0219	551340	147049	11-69	1	305	20,360	3.78	769	58	14,730	3.80	560	3-72		26	627	-.02	22	37
74-10-0219	555006	148404	12-69	1	305	20,540	3.90	801	73	14,690	3.73	548	12-71		24	785	.03	35	52
74-10-0219	555008	148404	1-70	1	305	18,550	3.82	709	71	14,740	3.78	557	2-72		24	604	.01	26	40
74-10-0225	524351	150890	9-67	2	305	21,520	3.60	775	23	15,535	3.53	549	11-71		25	796	-.02	29	46
74-15-0131	479677	125472	1-63	3	305	17,057	3.82	652	12	12,330	3.76	464	1-71		42	714	-.03	25	42
74-15-0131	492233	118619	11-64	2	305	20,535	3.69	757	14	13,620	3.65	497	4-71		40	1,097	-.04	39	65
74-15-0131	492236	140762	6-64	5	304	17,382	3.50	609	10	12,408	3.80	472	6-71		36	783	-.08	21	41
74-15-0131	492255	144887	7-65	2	305	19,480	3.66	712	12	12,870	3.84	494	11-71		25	841	-.04	28	48
74-16-0151	501448	146995	5-66	1	305	22,470	3.02	679	5	13,010	3.59	467	3-71		22	996	-.13	22	48
74-25-0173	457289	139774	6-63	6	305	17,066	4.22	721	25	13,056	4.07	532	2-72		36	676	.04	32	47
74-25-0173	495863	139774	11-65	4	305	18,895	3.92	741	24	13,950	4.11	573	6-71		35	801	-.02	29	46
74-25-0173	514812	145860	9-66	3	305	21,813	3.91	852	22	14,103	4.11	580	2-71		33	1,085	-.03	39	65
74-25-0173	525677	149734	10-67	2	283	17,635	4.46	786	39	14,310	4.12	590	8-71	B	29	514	.07	30	4[illegible]
74-25-0173	544538	139774	7-68	2	305	19,895	4.04	803	22	14,925	4.11	613	3-72		30	695	.00	28	44
74-25-0173	549878	139774	9-69	1	305	19,840	4.32	857	21	15,210	4.08	620	2-72		24	515	.04	26	37
74-25-0173	553315	139774	11-69	1	305	21,210	3.90	827	12	15,180	4.09	621	4-72		24	641	-.01	24	39
74-25-0202	527299	144653	1-68	3	305	19,050	3.74	713	18	14,340	3.95	567	3-72		32	719	-.05	22	4
74-25-0202	528722	144653	2-68	2	305	20,730	3.86	801	16	14,375	3.91	562	12-71		29	645	-.03	30	5[illegible]
74-25-0202	536337	144653	8-68	2	305	19,640	3.91	767	23	14,210	3.96	563	11-71		29	731	-.02	26	43
74-25-0202	539776	125640	11-68	2	286	18,285	3.73	682	23	15,085	3.93	593	12-71		40	679	.01	28	44
74-25-0202	546469	139273	8-69	1	305	18,970	3.87	735	20	12,830	4.01	515	8-71		32	744	-.06	22	41
74-25-0202	551178	125640	2-70	1	305	18,260	3.93	718	27	15,230	3.92	597	2-72		35	597	.04	29	42
74-25-0202	551180	125640	3-70	1	305	17,790	3.87	688	22	15,430	3.94	608	3-72		35	548	.03	26	38
81-07-9622	515198	124396	1-67	3	305	17,650	4.09	722	12	11,840	4.05	480	11-71		39	660	.00	26	41
81-07-9622	541371	146292	11-68	1	292	19,440	3.61	701	10	13,520	3.93	532	2-72		32	641	-.01	24	39
81-24-0741	395660	132892	8-59	4	293	17,525	3.85	674	6	13,363	4.10	548	11-71		30	646	-.04	20	36
81-24-0741	507050	135099	10-66	3	305	18,323	3.99	731	36	14,563	4.00	583	3-72		34	664	-.02	24	40
82-36-0258	409363	122242	9-60	7	295	14,111	4.18	590	5	11,648	3.98	464	6-71		40	655	.01	27	42
82-49-0165	519447	122242	5-67	2	282	15,285	3.81	582	11	10,535	3.89	410	1-71	B	35	851	-.05	28	49

TABLE 5. BROWN SWISS USOA-OHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C O	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
84-03-0025	527042	148551	1-68	2	305	13,565	4.74	643	28	11,230	4.29	482	10-71		30	460	.08	29	$ 38
84-03-0101	485140	118619	3-65	5	290	15,820	4.38	693	19	13,736	4.19	575	12-71		44	642	.02	28	42
84-03-0101	501005	144692	7-66	3	305	19,126	4.09	783	30	13,666	4.03	551	12-71		34	1,059	.03	46	70
84-03-0101	528170	147804	6-68	2	305	19,060	4.22	804	35	14,870	4.31	641	10-71		25	560	.00	23	36
84-03-0101	539092	150201	4-68	2	305	19,530	4.15	811	33	14,890	4.33	644	10-71		25	617	-.01	23	38
84-03-0101	540003	150201	4-68	2	305	19,500	4.52	881	30	15,675	4.26	668	10-71		25	524	.06	29	40
84-03-9224	527040	148551	1-68	1	305	20,150	4.26	858	27	12,350	4.36	538	9-70		24	905	.02	39	59
84-03-9224	534854	148551	10-68	1	305	16,720	4.22	705	36	12,260	4.28	525	1-71		24	607	.01	26	40
84-03-9224	541502	148551	12-68	1	305	15,520	4.60	714	31	12,500	4.14	518	4-71		24	481	.07	28	38
84-03-9224	541506	148551	1-69	1	305	17,760	4.14	736	36	12,260	4.28	525	1-71		24	700	.01	29	45
84-03-9224	541509	148551	12-68	2	305	18,060	4.01	724	27	13,660	4.22	577	3-72		30	735	-.01	28	45
84-03-9224	542894	151022	10-68	2	305	18,125	4.38	793	33	13,645	4.24	579	12-71		30	647	.04	31	45
84-03-9224	549568	148551	7-69	1	305	19,940	3.52	701	17	13,200	4.35	574	11-71		24	818	-.08	22	43
84-03-9224	549833	148551	10-69	1	305	17,430	4.41	768	17	13,200	4.35	574	11-71		24	595	.03	28	41
84-03-9224	551366	148551	9-69	1	305	17,460	4.47	780	17	13,200	4.35	574	11-71		24	598	.04	29	42
84-03-9224	560326	156617	7-69	1	305	22,250	3.58	796	21	14,840	4.21	625	3-72		19	726	-.08	18	37
84-04-9047	475424	138719	12-64	5	305	19,640	3.84	755	52	14,728	3.90	575	5-71		38	826	-.04	28	48
84-04-9047	527613	144647	8-67	3	305	19,440	3.84	746	16	15,330	3.89	597	2-72		32	723	-.02	26	43
84-04-9047	541110	116497	4-69	1	305	22,230	4.33	963	19	15,750	3.82	601	11-71		26	534	.07	31	42
84-04-9047	541113	135099	4-69	1	305	20,760	3.69	767	10	15,330	3.87	593	6-71		26	655	-.05	20	36
84-04-9047	556484	138750	11-69	1	305	24,170	3.68	890	22	17,570	3.76	661	2-72		35	832	-.08	22	43
84-04-9047	562148	138750	4-70	1	305	22,470	3.57	802	20	15,810	3.88	613	11-71		35	823	-.10	19	41
84-08-0056	454053	127197	7-62	5	305	16,662	3.94	656	16	12,202	4.01	489	9-71		36	582	-.01	22	36
84-08-0056	488593	118619	11-65	5	305	18,772	3.72	699	24	12,852	4.02	517	4-72		44	1,131	-.08	35	63
84-08-0056	515397	149305	9-66	3	305	16,807	3.96	665	19	12,377	4.06	502	8-71		32	669	-.01	26	42
84-08-0056	515408	149306	1-67	3	305	18,180	3.39	616	23	12,447	4.05	504	8-71		32	852	-.12	18	41
84-08-0056	515409	149305	1-67	2	298	16,155	4.06	656	18	11,665	4.04	471	9-71		29	602	.01	26	40
84-08-0056	530299	149306	8-67	2	249	17,320	4.01	694	24	12,970	4.10	532	3-71	8	29	606	-.01	23	37
84-08-0056	534949	148551	11-68	1	305	18,800	3.65	687	28	12,720	4.11	523	2-71		24	755	-.04	25	43
84-37-9012	514109	141607	12-66	3	305	18,460	3.91	721	19	13,797	3.80	524	1-72		29	683	.01	29	44
84-37-9012	514110	141607	12-66	3	305	18,023	3.98	717	20	13,130	3.86	507	12-71		29	706	.01	30	46
85-02-9015	511208	147207	9-66	3	299	14,366	4.34	623	8	11,443	3.93	450	4-72		32	565	.06	30	42
86-01-9165	439007	136547	4-61	8	305	19,338	4.29	829	40	15,381	4.17	642	11-71		32	673	.04	32	47
86-01-9165	449439	136738	11-62	3	297	20,670	4.11	849	105	16,240	4.09	665	11-71		32	618	.02	27	41
86-01-9165	456722	140966	6-63	3	305	21,573	4.01	864	97	16,373	4.09	670	9-71		29	796	-.01	30	49
86-01-9165	460400	124403	7-63	6	294	18,663	3.87	723	51	14,412	4.11	593	3-71		40	678	-.06	27	49
86-01-9165	462144	124652	9-63	3	305	20,927	4.02	841	57	15,937	4.04	644	4-71		42	565	.01	24	37
86-01-9165	469455	130327	9-63	2	305	22,760	3.47	789	118	16,255	4.09	665	2-72		30	1,144	-.14	27	57
86-01-9165	475604	144279	12-64	3	305	22,360	4.02	899	95	15,787	4.16	656	10-71		33	945	-.05	31	54
86-01-9165	485537	135487	11-64	2	305	21,200	3.71	787	113	16,540	4.09	677	10-71		39	767	-.12	15	36
86-01-9165	487688	138748	5-65	5	297	16,806	4.18	702	38	13,068	4.12	539	4-72		36	520	.02	27	41
86-01-9165	489861	131528	7-65	1	305	22,580	3.97	896	114	17,060	4.09	697	11-71		35	568	.00	23	36
86-01-9165	492379	105449	11-65	4	238	21,070	4.14	873	59	15,225	4.13	629	4-71		41	647	.05	33	47
86-01-9165	496543	131528	3-66	4	297	21,378	4.31	921	94	16,398	4.09	671	1-72		43	772	.06	39	55
86-01-9165	499938	143612	5-66	3	305	21,620	3.99	863	51	13,983	4.19	586	12-70		37	1,188	-.03	44	72
86-01-9165	500333	144692	6-66	4	302	20,822	4.32	899	57	17,210	4.16	716	5-71		35	695	.06	44	63
86-01-9165	505253	116497	7-66	4	305	22,065	3.78	835	87	16,087	4.10	660	2-72		35	843	-.06	26	47
86-01-9165	506796	144567	9-66	3	299	20,550	4.26	876	96	16,340	4.09	669	2-71		33	589	.05	30	42
86-01-9165	507679	141757	12-65	2	305	22,245	3.92	872	107	16,470	4.08	672	9-71		32	671	-.04	21	38
86-01-9165	510094	131528	11-66	3	305	23,327	4.14	966	74	16,507	4.08	673	7-71		42	947	.03	42	63
86-01-9165	510603	131528	12-66	4	299	21,373	4.09	874	86	16,500	4.05	669	3-72		43	760	.02	33	5[illegible]
86-01-9165	510738	110327	10-66	3	305	21,740	4.00	869	86	16,653	4.08	679	5-71		41	795	-.06	24	44
86-01-9165	512461	143612	2-67	3	293	18,493	4.34	803	106	16,736	4.06	679	11-71		37	480	.05	26	36
86-01-9165	512825	144149	3-67	3	305	20,550	3.98	818	114	16,503	4.08	673	2-72		29	634	-.02	23	38
86-01-9165	514201	131528	12-66	3	305	21,687	3.67	796	84	16,353	4.07	665	8-71		42	772	-.06	23	42
86-01-9165	514208	124403	1-67	3	303	21,670	3.67	795	102	15,893	4.14	658	12-71		38	1,035	-.11	26	53
86-01-9165	518451	131528	12-66	4	305	20,945	4.10	859	78	16,463	4.05	666	4-72		43	710	.03	32	48
86-01-9165	519925	107915	8-67	3	298	20,587	3.97	818	93	15,897	4.10	651	7-71		42	613	.02	27	41
86-01-9165	520458	131528	11-67	3	300	19,987	4.07	813	109	16,360	4.06	665	1-72		42	573	.02	25	38
86-01-9165	520588	124403	7-67	3	305	18,920	4.04	764	96	16,090	4.13	664	9-71		38	670	-.04	22	38
86-01-9165	520589	124403	7-67	3	296	22,573	4.05	914	102	15,830	4.13	653	2-72		38	1,154	-.03	42	69
86-01-9165	527491	130709	2-68	2	305	22,840	3.77	862	98	16,395	4.06	665	5-71		40	788	-.10	18	39
86-01-9165	528063	149784	4-68	2	305	21,565	3.97	856	110	15,965	4.15	662	9-71		25	752	-.02	27	45
86-01-9165	528079	145862	2-68	2	305	22,540	3.59	810	95	16,330	4.07	665	7-71		29	818	-.10	20	41
86-01-9165	529019	135681	2-68	2	305	20,190	4.16	839	109	15,945	4.14	660	9-71		36	759	-.01	29	47
86-01-9165	529870	130709	12-67	2	305	28,615	3.98	1138	115	16,060	4.10	659	1-72		40	1,408	-.07	47	81
86-01-9165	531150	138586	5-68	1	305	23,130	3.93	909	96	16,610	4.12	685	8-71		19	659	-.03	23	39
86-01-9165	534685	139232	7-68	2	305	22,705	3.51	798	118	16,115	4.13	665	12-71		33	845	-.11	19	41
86-01-9165	535263	145884	7-68	1	305	23,300	3.70	861	114	16,150	4.09	660	3-71		19	714	-.06	21	39
86-01-9165	536823	138750	12-68	1	305	22,850	3.80	869	141	17,270	4.04	698	1-72		35	752	-.09	18	38
86-01-9165	537266	131528	11-68	1	305	24,630	4.34	1069	100	16,700	4.11	687	10-71		35	747	.05	37	53
86-01-9165	538366	143612	2-69	1	305	23,930	3.62	866	100	17,330	4.01	695	3-72		29	815	-.06	25	45
86-01-9165	540011	118619	8-68	2	305	22,665	4.13	936	117	16,045	4.15	666	11-71		40	1,092	-.01	42	68
86-01-9165	544822	118619	8-69	1	305	19,990	4.17	833	118	16,900	4.11	695	10-71		35	672	-.01	25	41
86-01-9165	550844	143612	12-69	1	303	20,710	4.20	870	141	17,290	4.04	698	1-72		29	550	.02	25	37
86-01-9165	562687	131528	3-69	1	305	24,070	3.74	900	97	16,430	4.14	680	9-71		35	723	-.04	24	42
86-01-9501	531165	130327	2-67	2	305	15,870	4.33	687	12	14,465	3.93	569	8-71		30	516	.04	26	37
86-01-9501	539970	147407	11-68	1	305	19,310	4.45	860	31	14,460	3.98	576	10-71		24	505	.09	32	42
86-01-9501	562807	148508	7-68	2	305	18,385	3.75	690	13	14,700	3.73	549	2-72		29	611	.00	24	38
91-50-5007	351098	104457	7-57	6	305	21,070	3.91	824	7	16,087	3.97	639	3-72		36	733	.00	29	46
91-50-5007	416536	128017	12-60	6	305	19,312	3.86	746	10	14,677	4.08	599	1-72		37	643	-.04	20	36
91-50-5007	474174	135681	10-64	4	305	20,297	3.70	750	14	15,842	3.97	629	6-71		40	875	-.07	25	47
91-50-5007	511669	135681	10-66	3	302	19,620	3.76	737	20	15,436	4.02	621	7-71		38	805	-.07	23	43
91-66-0015	450698	109152	11-62	5	305	19,966	4.09	817	17	16,146	4.25	687	4-71		44	669	-.04	21	37
91-66-0015	488995	114123	8-65	4	305	22,570	4.47	1008	26	17,600	4.19	738	2-71		43	571	.09	35	46

TABLE 5. BROWN SWISS USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C O	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
91-66-0015	519884	147144	6-67	2	305	18,295	4.15	760	18	16,855	4.37	736	12-70		29	615	-.03	21	$ 36
91-66-0015	519885	147144	8-67	3	305	20,413	4.35	887	20	16,096	4.27	688	11-71		32	1,310	.03	44	67
91-66-0015	519888	147144	7-67	3	305	22,783	3.95	900	21	16,306	4.27	696	1-72		32	1,307	-.05	45	77
91-66-0015	520031	147144	10-67	3	304	24,576	3.82	940	20	16,080	4.30	691	11-71		32	1,580	-.09	51	90
91-66-0015	520032	147144	11-66	3	305	22,126	4.09	905	15	16,440	4.15	683	9-71		32	1,201	-.01	47	75
91-66-0015	520034	147144	9-67	2	305	20,610	4.24	873	18	16,965	4.26	723	2-71		29	883	.00	36	56
91-66-0015	521348	147144	9-67	3	305	24,600	3.89	958	21	16,306	4.27	696	1-72		32	1,555	-.07	53	91
91-66-0015	530944	147144	10-66	3	305	18,066	4.37	790	20	15,906	4.22	671	11-71		32	713	.03	33	49
91-66-0015	530945	147144	11-67	2	305	18,660	4.15	774	19	15,655	4.25	665	11-71		29	790	-.01	30	49
91-66-0015	530946	147144	11-67	2	305	19,375	3.77	731	19	16,615	4.28	711	4-71		29	772	-.08	20	40
91-66-0015	530948	147144	2-68	2	303	19,600	4.26	834	16	17,000	4.25	723	3-71		29	757	.01	31	48
91-66-0015	530950	147144	3-68	2	305	20,995	4.64	975	22	15,560	4.22	656	1-72		29	1,083	.09	56	79
91-66-0015	531860	147144	3-68	1	305	19,350	3.54	685	26	15,410	4.04	623	12-71		23	803	-.07	23	43
91-66-0015	539230	147144	12-68	1	305	17,700	4.15	735	20	14,670	4.09	600	9-71		23	714	.00	29	45
91-66-0015	555612	138750	10-69	1	305	23,390	3.83	896	32	16,310	4.00	652	12-71		35	859	-.08	24	46
91-66-0015	562890	147144	1-70	1	305	17,530	4.03	707	12	15,770	4.00	631	3-72		23	509	.00	24	38
91-70-0040	501880	109152	6-66	1	305	19,340	4.03	779	8	13,100	3.96	519	1-71		35	616	-.03	21	36
91-70-5027	439371	135099	8-61	8	304	19,032	3.78	720	59	13,097	4.08	535	9-71		37	1,012	-.07	31	56
91-70-5027	448346	135099	10-62	6	305	18,063	4.00	723	44	13,606	4.12	561	10-71		37	804	-.03	28	47
91-70-5027	469928	136570	3-64	5	305	15,708	4.56	717	15	13,290	4.08	542	12-71		35	490	.10	33	42
91-70-5027	491390	136570	3-65	4	305	17,667	3.80	672	18	13,317	4.06	541	9-71		34	756	-.03	26	44
91-70-5027	546628	136570	7-69	1	305	19,490	3.51	685	16	12,560	4.11	516	6-71		24	754	-.07	23	42
91-74-0143	418219	116769	3-61	5	305	21,520	3.71	799	10	14,780	3.90	577	12-71		44	907	-.12	22	44
91-74-5212	442762	131221	10-62	6	280	16,818	4.47	751	10	14,133	4.03	570	3-72		38	471	.09	30	39
91-74-5212	475642	125472	1-65	3	305	20,170	4.15	838	10	15,110	3.83	578	2-72		42	786	.03	35	53
91-74-5212	520996	147771	10-67	2	305	23,240	4.07	945	7	11,950	4.02	480	5-71		29	1,419	.00	57	9
92-03-0048	470493	110030	12-62	3	305	20,886	3.83	800	34	13,970	4.07	568	1-71		36	1,126	-.06	37	64
92-03-0048	470494	131221	11-62	3	305	19,123	3.70	707	24	13,640	4.10	559	2-71		35	788	-.07	22	42
92-03-0048	531603	135099	10-67	2	305	18,340	3.77	692	47	13,505	4.17	563	12-70		32	719	-.07	20	36
92-03-5048	542680	150013	3-68	2	305	19,055	3.87	738	31	14,240	4.10	584	11-71		30	671	-.04	21	33
92-03-5137	503932	138316	1-65	3	256	19,233	3.89	749	22	14,230	4.13	588	7-71		33	668	-.01	25	41
92-05-5026	371218	123323	12-57	10	298	16,191	3.95	639	95	12,214	4.01	490	8-71		43	823	-.05	26	46
92-05-5026	440077	135099	11-61	7	304	16,340	4.05	661	85	13,117	4.06	533	10-71		37	617	-.01	23	35
92-05-5026	474741	140023	7-64	3	303	17,630	4.23	746	82	13,153	4.13	543	12-71		34	654	.02	29	44
92-05-5026	484278	132499	8-63	5	305	17,890	4.19	749	86	13,598	4.05	551	5-71		36	693	.02	31	46
92-05-5026	507036	135099	8-66	4	305	16,202	4.20	680	87	13,305	4.13	550	10-71		36	557	.01	23	35
92-05-5026	507048	135099	9-66	3	305	18,180	3.81	693	93	13,656	4.02	549	5-71		34	752	-.05	23	42
92-05-5026	507053	135099	7-66	3	256	17,153	4.08	700	96	13,573	4.06	551	1-71	B	34	627	-.01	24	39
92-05-5026	520985	136022	9-67	3	304	16,103	4.67	752	85	13,740	4.10	564	3-72		33	360	.12	30	35
92-05-5026	525838	135099	12-67	2	305	18,075	4.01	724	101	13,845	4.10	567	5-71		32	553	-.02	23	39
92-16-5109	492943	142817	8-65	4	305	20,285	4.04	820	24	14,852	4.07	605	4-71		34	841	.00	34	53
92-23-0114	547017	125640	11-69	1	284	17,820	4.17	743	10	14,140	4.00	565	12-71		35	638	.05	33	45
92-23-0172	535526	126555	3-66	1	305	20,540	3.80	780	5	15,780	3.91	617	3-72		35	872	-.06	27	43
92-23-0175	416192	118783	2-61	4	305	20,417	4.15	848	12	15,467	3.89	601	1-72		41	1,094	.00	52	76
92-23-0175	488709	125472	8-65	5	305	21,310	3.68	784	7	15,542	3.85	599	2-72		44	952	-.07	29	53
93-10-0036	540339	149898	6-68	2	301	20,475	3.34	683	5	15,240	3.97	605	1-72		29	951	-.11	23	46
93-33-0189	442852	118619	10-61	5	305	14,676	4.03	591	8	12,700	4.00	508	2-72		44	615	-.02	22	37
93-33-0191	431912	130327	10-51	8	305	18,481	4.01	741	9	15,355	3.90	599	1-72		36	810	.00	33	52
93-33-0191	431913	122242	12-61	7	305	17,097	4.15	710	11	14,908	3.94	588	10-71		40	662	.01	28	43
93-33-0191	515466	122242	4-67	3	301	21,660	3.53	764	7	14,796	3.90	577	9-71		38	1,223	-.11	34	65
93-33-0191	531942	122242	8-68	2	298	19,655	3.74	736	7	15,600	3.88	605	1-72		35	830	-.05	26	45
93-33-0191	539958	143321	3-69	1	297	25,330	4.02	1017	12	15,910	3.74	595	11-71		33	494	.09	31	4
93-33-0206	462953	109152	2-64	1	305	22,140	4.26	943	14	14,410	4.52	651	5-71		35	739	-.04	24	42
93-33-0206	505165	144707	7-66	1	305	21,460	4.73	1016	8	16,750	4.36	731	1-72		19	488	.08	30	39
93-50-0222	504125	126555	8-65	4	298	16,065	4.15	666	9	13,410	3.90	523	10-71		42	773	-.01	30	42
93-50-0696	469452	130327	1-64	1	305	20,860	3.94	821	6	13,640	4.40	600	1-71		24	1,003	-.06	32	57
93-50-9598	464149	142989	10-63	7	301	18,687	4.03	753	46	14,707	4.22	621	12-71		32	586	-.03	23	39
93-50-9598	466145	139783	2-64	6	305	18,385	4.07	749	36	14,175	4.27	605	8-71		36	663	-.03	23	39
93-50-9598	492738	144798	10-65	4	302	19,030	4.22	803	44	14,842	4.22	627	5-71		33	568	.03	27	39
93-50-9598	502115	146025	4-66	4	304	18,235	4.00	729	42	14,497	4.30	623	11-71		34	624	-.03	21	36
93-50-9598	519623	131528	6-67	3	305	19,543	4.53	886	48	14,680	4.25	624	7-71		42	698	.08	38	52
93-50-9598	519626	131528	7-67	3	305	18,063	4.25	767	52	14,510	4.27	619	8-71		42	543	.02	24	36
93-50-9598	544860	151871	3-69	1	305	22,990	4.35	1001	48	14,930	4.23	632	11-71		22	1,007	.04	46	68
93-50-9598	546416	151871	4-69	1	305	22,170	4.31	955	47	15,310	4.23	648	12-71	H	22	901	.03	40	6
93-50-9598	548238	151871	7-69	1	304	18,630	4.13	769	47	15,310	4.23	648	12-71		22	579	.00	23	36
93-50-9598	548239	151871	9-69	1	305	19,760	4.07	805	47	15,310	4.23	648	12-71		22	682	-.01	26	42
93-50-9598	553108	151871	12-69	1	305	20,840	4.02	837	32	16,690	4.11	686	3-72		22	667	-.01	26	42

TABLE 6. MILKING SHORTHORN USDA-DHIA HIGH RANKING COWS.

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C O	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOLLARS
11-17-0033	314201	183510	12-63	5	291	12,244	4.04	495	6	9,664	3.90	377	11-71		39	411	.03	18	$ 27
11-17-0033	321245	296955	5-65	4	305	16,015	3.99	639	5	10,795	3.98	430	3-72		33	781	.03	32	50
11-23-0026	319072	297126	8-65	3	302	13,450	3.64	490	15	7,803	3.68	287	4-71		29	769	.00	28	46
13-03-0018	269027	240107	5-59	5	285	13,158	3.75	494	10	10,592	3.70	392	11-71		32	412	.02	17	26
13-03-0018	339548	316751	12-68	1	305	12,930	4.68	605	6	9,200	3.71	341	9-71		19	344	.12	25	31
14-10-0011	295866	161052	10-61	5	303	12,804	3.74	479	10	9,722	3.76	366	5-71		37	536	.02	22	34
14-10-0011	321506	265359	4-65	3	305	13,877	3.86	536	13	10,297	3.79	390	4-71		33	420	.03	19	28
21-11-0035	316813	291139	11-64	3	301	12,020	3.96	476	5	8,977	3.49	313	1-71		29	415	.06	22	31
23-06-0046	318637	287030	11-64	4	299	13,985	3.41	477	10	10,548	3.49	368	1-72		30	526	-.02	17	30
23-06-0046	318640	287030	1-65	4	305	13,030	3.65	476	12	10,043	3.51	353	1-72		30	450	.01	18	28
23-06-0046	318641	287030	5-64	4	292	12,260	3.78	463	11	9,485	3.52	334	12-71		30	410	.04	19	28
23-37-0010	333130	316547	9-67	2	305	14,340	3.62	519	9	11,180	3.80	425	4-72		25	411	-.02	13	23
23-37-0010	337284	318628	12-67	2	305	13,130	4.10	538	12	10,155	3.75	381	3-72		30	382	.06	21	29
23-37-0010	337285	318628	7-67	3	302	12,920	3.85	498	9	9,566	3.76	360	8-71		33	468	.03	20	31
31-06-0687	329913	260794	11-66	3	277	13,310	3.60	479	9	10,233	3.81	390	5-71	8	39	416	-.04	11	22
31-19-0060	323427	280661	4-65	5	305	12,412	3.59	445	9	9,774	3.65	357	8-71		32	410	-.01	14	24
31-19-0060	333106	195525	5-67	3	304	11,650	3.61	420	8	9,866	3.75	370	9-71		38	400	-.02	13	23
31-19-0060	340856	272008	1-69	1	305	15,930	3.70	590	8	9,990	3.79	379	6-71		27	562	-.02	19	33
31-68-0375	331594	195525	2-67	4	286	13,930	3.51	489	14	10,615	3.67	390	2-72		40	620	-.03	20	35
31-68-0375	334855	203661	10-67	2	305	12,750	3.62	462	16	10,215	3.59	367	5-71		36	341	-.02	11	19
31-68-0375	340391	79581	2-68	2	305	12,180	3.92	477	18	9,435	3.59	339	8-71		36	341	.12	25	31
31-68-0375	340392	325801	11-68	1	305	13,190	3.89	513	17	11,370	3.77	429	2-71		26	308	.02	14	21
31-68-0375	340399	272215	10-68	2	278	15,630	3.34	522	18	10,940	3.78	413	12-71		34	586	-.08	13	28
31-68-0375	345412	181531	4-66	2	283	12,835	3.69	474	14	11,090	3.62	402	3-72		35	338	.02	15	23
31-68-0375	345425	272008	9-69	1	305	14,640	3.33	488	11	10,320	3.67	379	11-71		27	427	-.04	11	22
31-71-0024	338420	316547	5-68	1	275	12,730	3.35	427	8	8,590	3.38	290	12-71		19	377	-.02	12	21
32-30-9107	306949	79581	3-63	6	288	11,305	3.55	401	8	9,390	3.54	332	8-71		41	300	.07	19	25
32-30-9107	316900	195525	12-64	1	305	19,620	3.70	726	14	12,000	3.53	423	4-71		31	833	.01	32	51
32-30-9107	334841	195525	2-67	1	305	12,210	3.73	456	13	10,800	3.62	391	9-70		31	323	.01	13	20
32-30-9107	339755	319736	2-68	3	290	14,030	3.48	488	9	11,633	3.60	419	2-72		32	323	-.02	10	18
32-85-9620	322828	312720	6-65	3	236	16,213	3.51	569	19	11,526	3.69	425	9-70	8	34	801	-.04	25	45
32-85-9620	328324	304750	12-65	3	197	14,163	3.83	542	14	11,906	3.71	442	11-70	8	33	405	.02	17	26
32-85-9620	329127	304750	7-66	3	240	13,790	3.67	506	13	10,990	3.63	399	8-70	8	33	466	.01	18	29
32-85-9620	329129	304750	9-66	3	225	15,320	3.68	564	16	11,656	3.70	431	10-70	8	33	590	.00	22	36
32-85-9620	333127	316547	8-67	2	156	13,485	3.35	452	14	10,880	3.69	402	11-71	8	25	337	-.05	7	16
32-85-9620	334359	228867	11-66	3	225	14,440	3.50	506	23	11,836	3.73	442	10-70	8	39	511	-.07	11	25
32-85-9620	337244	304750	8-67	2	260	17,190	3.38	581	11	11,405	3.59	409	8-71		30	787	-.05	24	44
32-85-9620	339050	324529	7-68	1	73	13,780	4.96	683	15	12,230	3.67	449	11-70	8	22	331	.15	28	33
32-85-9620	342442	324529	6-68	1	63	14,850	3.84	570	15	12,230	3.67	449	11-70	8	22	428	.01	17	27
32-85-9620	342445	324529	3-68	2	275	15.120	3.58	542	13	10,680	3.55	379	9-71		28	703	.00	26	43
32-88-0710	340294	328325	9-68	1	305	13,440	4.15	558	12	10,150	4.03	409	9-71		19	311	.03	15	22
33-40-0141	324467	43901	7-65	2	298	12,835	3.65	469	9	8,675	3.69	320	8-71		25	506	-.01	18	30
33-46-0440	325075	307428	1-66	2	305	15,055	3.54	533	6	11,680	3.47	405	5-71		25	445	.01	17	27
33-46-0440	332308	316562	1-67	3	305	14,437	3.76	543	6	10,960	3.65	400	8-71		33	442	.02	18	28
33-46-0440	341715	311770	7-68	1	305	16,140	3.56	574	6	12,010	3.42	411	5-71		24	687	.01	26	42
33-46-0440	341717	311770	8-68	2	305	12,565	3.69	464	6	11,210	3.64	408	8-71		30	454	.00	17	28
33-52-0714	325707	295692	7-65	4	280	11,913	3.61	430	6	9,475	3.77	357	8-71		34	471	-.03	14	26
33-52-0714	341736	332436	11-68	2	305	14,325	3.67	526	5	11,135	3.59	400	2-72		25	414	.01	16	26
33-92-0542	293468	225278	3-61	6	305	15,663	4.05	635	13	12,397	4.08	506	12-71	H	35	567	.02	23	36
33-92-0542	310916	245645	11-63	3	304	15.690	3.87	607	10	12,203	4.27	521	7-71		35	472	-.04	13	25
33-92-0542	311015	274165	1-64	3	305	16,580	3.97	658	12	13,370	4.13	552	1-71		33	531	-.02	18	31
33-92-0542	334394	323482	7-67	3	298	16,127	3.95	637	15	14,440	4.16	601	2-72		29	300	-.02	9	16
33-92-0542	334395	323482	7-67	3	299	16,587	4.11	681	15	14,150	4.18	591	12-71		29	402	.01	16	25
33-92-0542	334396	323482	8-67	2	305	17,385	4.03	700	11	14,520	4.11	597	3-71		25	416	.01	16	26
33-92-0542	336418	228867	1-68	2	305	16,260	3.96	644	12	14,680	4.08	599	4-72		36	398	-.04	[illegible]	[illegible]
33-92-0542	338938	329388	10-68	2	305	18,300	3.85	705	8	14,500	4.01	581	4-72		25	534	-.02	18	31
34-05-0005	336426	291337	5-67	2	250	15,240	3.29	502	5	10,460	3.39	355	5-71	8	29	560	-.02	18	32
35-11-0054	294876	231813	9-61	6	290	12,817	3.63	465	16	9,848	3.77	371	7-71		37	627	-.05	18	34
35-11-0054	319818	278107	10-64	3	272	14,370	3.35	481	12	9,923	3.44	341	4-71		29	629	-.03	20	35
35-11-0054	343142	322820	5-69	2	290	13,580	3.33	452	17	10.535	3.51	370	2-72		29	355	-.05	8	17
35-11-0054	345831	304430	12-69	1	283	12,940	3.81	493	21	10,570	3.50	370	2-72		24	455	.00	17	26
35-13-0499	340624	311770	2-69	1	305	14,140	3.22	456	6	9,780	3.58	350	7-71		24	688	-.05	20	37
35-28-0070	298499	278101	10-61	5	304	13,206	3.23	427	21	9,958	3.52	351	11-70		36	447	-.06	10	22
35-28-0070	311351	290454	1-64	4	291	13,355	3.68	491	14	10.117	3.74	378	12-71		35	425	-.02	14	24
35-28-0070	319827	192427	11-64	4	302	12.680	3.34	423	17	9,953	3.59	357	10-71		38	358	-.05	8	17
35-28-0070	328589	278101	11-66	1	305	14,540	3.69	536	22	10,740	3.45	370	11-70		25	302	.03	14	21
35-49-0018	321794	305392	10-65	4	273	13,695	3.80	521	17	9,018	3.78	341	6-71		30	692	.01	27	43
35-49-0018	323022	290454	11-65	4	303	13,257	3.63	481	17	9,347	3.84	359	9-71		35	510	-.04	15	23
35-49-0018	331984	299803	11-66	3	301	12,840	3.82	490	9	10.326	3.83	396	12-71		32	360	.02	15	23
35-49-0018	331991	299803	4-67	3	305	12.883	3.80	489	9	10,623	3.78	402	3-72		32	330	.02	14	21
35-49-0018	334658	299803	9-67	2	305	15,430	3.75	578	6	10,345	3.78	391	3-71		29	629	.01	24	39
35-49-0018	344543	334651	9-69	1	305	15,800	3.34	527	6	11,610	3.85	447	3-72		19	411	-.06	9	[illegible]
35-49-0026	262585	219389	12-58	8	303	14,461	3.62	523	14	9,776	3.84	375	2-71		36	817	-.03	27	47
35-49-0026	303042	262578	10-62	6	305	12.020	3.68	442	13	9.777	3.87	378	11-71		35	322	-.03	9	17
35-49-0026	324208	307857	9-65	3	287	13,523	3.50	473	8	10.457	3.83	401	5-71		29	439	-.05	11	22
35-54-0029	328294	302767	4-66	1	287	14,270	3.62	516	8	10,830	3.41	369	1-72		23	338	.03	16	23
35-54-0069	304267	153672	10-62	4	294	12,760	3.92	500	14	10,198	3.74	381	10-71		37	410	.03	18	27
35-54-0070	319554	272008	9-64	3	305	16,036	3.59	575	8	10,570	3.58	378	3-71		35	765	-.01	27	45
35-54-0070	328412	272008	7-65	4	298	12,182	3.75	457	8	10,397	3.61	375	11-71		37	300	.02	13	20
35-54-0070	328420	272008	4-65	4	301	13,737	3.87	531	7	11,495	3.51	404	3-72		37	378	.05	19	27
35-54-0070	343373	181531	5-69	1	305	12,480	3.45	431	12	10,570	3.60	380	8-71		31	306	.00	11	18
35-54-0070	343334	272008	1-69	1	305	15,420	3.49	538	10	10,290	3.60	370	11-71		27	496	-.02	16	28
35-54-0070	347794	342771	3-70	1	305	16,890	3.32	560	11	11,560	3.49	404	4-72		19	519	-.04	15	28
35-56-0041	335697	322822	12-67	2	304	12,000	4.07	488	10	9,705	3.73	362	11-71		30	308	.06	18	24
35-56-0041	340337	322822	1-69	1	305	13,580	3.57	485	8	10.340	3.73	386	5-71		24	334	.01	13	21

TABLE 6. MILKING SHORTHORN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C D	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
35-56-0261	335530	326001	12-67	2	305	13,620	3.67	500	16	10,705	3.75	401	11-71		25	374	-.01	13	$ 22
35-56-0261	339323	320857	9-68	2	305	15,295	3.43	524	11	10,450	3.68	385	10-71		30	734	-.02	25	43
35-56-0261	339326	320857	10-68	2	305	13,200	3.81	503	8	11,070	3.69	408	3-72		30	423	.04	20	29
35-56-0261	339331	320857	10-68	2	305	12,745	4.22	538	10	10,630	3.75	399	1-72		30	416	.09	25	33
35-56-0261	340402	320857	12-68	2	301	13,550	3.76	509	5	11,670	3.67	428	3-72		30	400	.04	19	28
41-07-0102	294283	248014	7-61	3	305	11,060	3.68	407	8	8,083	3.51	284	5-71		31	419	.01	17	27
41-19-9174	304968	304430	2-63	7	302	15,462	3.78	585	8	12,021	3.89	468	12-71		36	746	-.03	24	42
41-19-9174	323339	302366	8-65	3	283	15,033	3.79	569	7	12,487	3.66	457	1-71		33	422	.06	22	31
41-19-9174	330484	311770	1-67	2	305	17,260	3.70	638	11	12,680	3.68	467	1-71		30	856	-.01	31	51
41-19-9174	338096	302366	4-68	2	305	16,315	3.99	651	6	12,600	3.60	453	6-71		30	523	.11	31	41
41-19-9174	341144	304430	4-69	1	305	16,440	3.53	581	5	12,520	3.75	470	5-71		24	610	-.06	16	32
41-19-9174	343599	302366	10-69	1	305	16,520	3.94	651	8	12,010	3.81	458	12-71		24	475	.07	25	35
41-19-9174	343604	328678	8-69	1	305	16,790	4.20	705	6	12,490	3.59	449	2-72		19	430	.08	25	34
41-25-9139	323270	313022	2-66	3	298	14,190	3.66	520	8	11,286	3.49	394	2-71		33	440	.03	19	29
41-25-9139	328681	304430	7-66	3	303	17,416	3.51	612	14	10,993	3.72	409	12-70		33	1,083	-.06	33	60
41-25-9139	328686	311245	9-66	4	305	15,845	3.53	560	17	11,270	3.67	414	12-71		30	710	-.03	23	40
41-25-9139	335570	313022	12-67	2	304	14,660	3.72	546	15	11,895	3.49	415	10-71		30	386	.03	18	26
41-25-9488	335560	313022	9-67	2	280	13,020	3.29	428	7	10,525	3.48	366	12-70		30	338	-.03	9	18
41-25-9488	335561	313022	12-67	2	291	14,590	3.75	547	5	11,250	3.39	381	2-71		30	446	.05	22	32
41-25-9488	342591	195525	4-69	1	305	14,260	3.65	520	13	10,360	3.49	362	10-71		31	520	.01	20	32
41-41-0050	325898	289286	10-65	3	270	11,446	3.51	402	7	8,796	3.75	330	9-71		35	430	-.03	13	24
41-41-9033	327791	319171	12-66	4	302	14,685	3.81	559	9	10,972	3.78	415	1-72		35	523	.03	23	35
41-41-9033	336530	228867	1-68	2	305	13,695	3.59	492	13	10,330	3.89	402	9-71		36	543	-.07	13	27
41-41-9033	338756	325801	11-68	2	305	13,070	3.70	484	12	10,700	3.84	411	11-71		32	410	.00	15	25
41-41-9033	343631	330780	8-69	1	305	13,720	3.52	483	8	10,510	3.83	403	8-71		19	307	-.03	8	16
41-44-0031	277869	236713	12-59	9	294	12,488	3.30	412	7	9,351	3.50	327	11-71		35	399	-.05	9	19
41-44-0031	324607	284291	1-66	4	302	13,713	3.51	482	9	10,475	3.32	348	3-72		30	495	.02	20	31
41-44-0031	324608	284291	3-66	3	294	12,137	3.39	412	16	9,793	3.53	346	3-71		29	327	-.03	9	17
41-44-0031	336112	312671	2-68	2	290	12,535	3.49	437	12	9,885	3.52	348	4-71		34	332	-.01	11	19
41-46-9275	317368	195525	12-64	4	282	11,450	3.75	429	9	9,532	3.88	370	11-71		40	422	-.01	14	24
41-46-9275	323419	195525	10-65	4	305	12,495	3.93	491	11	9,682	3.84	372	9-71		40	542	.02	22	34
41-46-9275	330098	260794	11-66	3	302	12,036	3.73	449	14	9,623	3.87	372	11-71		39	327	-.02	10	18
41-46-9275	335584	228867	9-67	3	297	11,090	3.74	415	15	9,750	3.85	375	10-71		39	331	-.04	8	17
41-51-9015	319145	263867	7-64	4	305	13,113	3.97	521	5	9,893	3.77	373	4-71		34	393	.05	20	28
41-54-9017	294052	247002	3-61	5	284	12,508	3.72	465	16	10,136	3.62	367	3-71		35	431	.02	18	26
41-54-9017	311834	289286	6-64	4	266	12,555	3.53	443	6	11,090	3.70	410	2-71		37	317	-.02	10	18
41-54-9017	329627	311284	9-66	4	285	15,115	3.65	551	14	11,423	3.69	421	11-71		33	637	-.01	22	37
41-54-9017	331905	311284	11-66	4	299	15,840	3.52	557	9	11,603	3.73	433	1-72		33	719	-.04	22	40
41-54-9017	331908	289286	11-66	3	286	13,753	3.78	520	6	11,176	3.64	407	3-71		35	451	.03	20	3[illegible]
41-54-9017	339025	330838	6-68	2	305	17,040	3.35	570	12	10,465	3.74	391	10-71		30	971	-.08	27	52
41-54-9017	339026	330838	8-68	2	268	13,605	3.87	526	10	11,850	3.68	436	11-71		30	414	.02	17	26
41-54-9017	339149	330838	9-68	2	298	13,390	3.50	469	12	10,465	3.74	391	10-71		30	537	-.04	15	29
41-54-9017	341191	330838	1-69	1	305	11,860	3.70	439	8	10,130	3.75	380	8-71		24	354	-.01	12	21
41-54-9017	341192	330838	12-68	1	305	13,940	3.90	543	9	12,500	3.67	459	11-71		24	349	.01	14	22
41-54-9017	343857	330838	10-69	1	305	15,360	3.20	492	7	13,000	3.62	470	12-71		24	435	-.07	9	21
41-54-9033	321793	313955	10-65	4	286	14,170	3.52	499	14	9,538	3.76	359	12-71		30	693	-.04	21	38
41-54-9033	340795	330838	10-68	2	291	12,440	3.80	473	7	10,810	3.76	406	1-72		30	387	.00	14	23
41-54-9033	345945	330838	11-69	1	290	12,060	3.62	436	10	10,680	3.76	402	1-72		24	327	-.03	9	17
41-77-0239	317457	289286	8-64	3	229	12,250	3.85	472	7	10,346	3.47	359	3-72		35	353	.06	19	26
41-77-0239	341095	301205	10-67	2	267	12,755	3.85	491	9	9,815	3.42	335	11-71		29	436	.05	21	3[illegible]
41-77-9195	321130	301205	1-65	3	289	16,113	3.61	582	6	12,250	3.47	425	6-71		32	635	.00	24	39
41-77-9195	337369	320857	12-67	2	305	16,835	3.60	605	12	13,680	3.38	462	3-71		30	574	.05	27	40
41-77-9195	337948	320857	3-68	2	305	16,890	3.27	553	12	13,680	3.38	462	3-71		30	580	-.01	20	34
41-77-9195	337952	311970	3-66	4	303	14,330	3.86	553	9	13,050	3.61	471	12-71		37	362	.01	14	22
41-77-9195	337953	320857	3-68	3	305	15,173	3.25	493	10	13,116	3.45	453	3-72		33	468	-.02	15	26
41-77-9195	337954	311970	4-66	4	305	15,080	3.40	513	8	11,635	3.66	426	3-72		37	644	-.08	15	32
41-77-9195	337955	311970	4-67	2	305	14,975	3.56	533	10	13,810	3.50	483	3-71		32	330	-.03	9	17
41-77-9195	337962	311970	3-66	4	288	15,290	3.17	485	5	11,692	3.70	433	11-71		37	666	-.13	10	28
41-77-9195	340295	320857	5-68	2	305	17,350	3.88	674	8	13,625	3.52	479	12-71		30	640	.09	33	46
41-77-9195	342475	322591	9-68	2	305	16,790	3.31	556	19	13,070	3.59	469	1-72		25	566	-.06	12	25
41-77-9195	344149	337951	9-68	2	305	16,825	3.68	620	16	12,690	3.57	453	2-72		25	554	.01	22	35
41-77-9195	344895	322591	9-69	1	305	15,350	3.54	544	10	11,730	3.60	422	4-72		19	358	-.01	12	21
41-79-0233	328089	315375	12-65	3	298	13,463	3.71	500	13	9,630	3.53	340	2-71		32	491	.03	21	32
41-79-0233	328093	315375	1-66	4	304	13,412	3.59	482	17	10,120	3.66	370	11-71		34	456	-.01	16	27
41-79-0233	337058	292879	10-64	4	299	12,240	3.91	479	21	9,915	3.56	353	11-71		34	434	.06	23	32
41-79-0233	337059	315375	9-67	3	305	14,370	3.78	543	15	10,210	3.58	366	1-72		32	543	.04	24	36
41-79-0233	337198	315375	1-67	3	284	13,023	3.38	440	15	10,186	3.60	367	10-71		32	364	-.04	9	16
42-14-0003	296491	275758	3-62	6	269	11,338	3.51	415	16	9,903	3.69	365	5-71		35	333	-.03	9	17
42-14-0003	307539	275758	7-63	4	302	14,953	3.81	569	11	10,013	3.71	371	1-71		33	760	.02	30	48
42-14-0003	311178	275758	4-64	4	291	14,038	3.32	466	17	10,120	3.70	374	1-72		33	613	-.08	14	3[illegible]
42-14-0003	324341	307535	3-66	3	305	14,446	3.45	498	15	10,626	3.70	393	8-71		33	370	-.05	8	18
42-14-0003	326925	289251	9-66	3	305	13,746	3.86	531	22	10,106	3.65	369	10-71		32	550	.05	26	36
42-14-0003	329064	319307	12-66	3	292	12,943	3.75	486	21	10,116	3.65	369	12-71		33	447	.03	20	3[illegible]
42-14-0003	344131	319307	10-69	1	305	14,600	3.99	583	21	10,540	3.66	386	12-71		24	443	.05	22	31
42-15-0003	315621	301074	7-64	4	305	14,613	4.04	590	12	11,438	4.12	471	2-72		30	500	.01	20	32
42-15-0003	318509	195525	11-64	5	304	14,406	3.93	566	8	11,890	4.06	483	3-72		41	547	.00	20	33
42-15-0003	325097	228867	3-66	4	304	13,985	4.11	575	11	11,887	4.09	486	3-72		40	465	-.01	16	27
42-15-0003	333075	79581	1-68	2	305	14,845	3.83	569	9	12,535	4.08	511	3-71		35	327	.06	18	25
42-15-0003	353557	272008	6-69	1	305	14,570	4.22	615	7	11,120	4.15	462	12-71		27	359	.02	15	23
42-22-0063	301118	253683	11-62	6	305	13,781	3.67	506	14	10,773	3.67	395	11-71		40	380	.00	14	23
42-22-0063	321652	290965	9-65	4	300	13,580	3.67	499	17	10,785	3.67	396	10-71		30	432	.00	16	26
42-22-0063	323688	290965	11-65	4	303	14,580	3.77	550	18	11,028	3.68	406	11-71		30	551	.02	23	36
42-22-0063	328840	290965	8-66	3	305	13,650	3.36	458	13	11,147	3.62	404	7-71		29	369	-.05	8	18
42-22-0063	328841	315445	11-66	3	305	13,337	3.50	467	18	10,750	3.65	392	8-71		29	375	-.03	11	2[illegible]
42-22-0063	328844	315445	8-66	4	303	14,128	3.86	545	5	11,393	3.68	419	2-72		30	433	.04	20	3[illegible]

TABLE 6. MILKING SHORTHORN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C D	REPT (%)	.......C O W I N D E X....... MILK (LB)	FAT (%)	FAT (LB)	DOL-LARS
42-23-0007	297834	269476	12-61	7	286	12,087	3.69	446	6	9,474	3.75	355	12-71		35	416	.00	15	$ 25
42-23-0007	298158	269476	5-62	6	299	13,172	3.71	489	6	9,327	3.75	350	12-71		35	600	.00	22	36
42-23-0007	325799	272215	1-66	3	301	14,640	4.00	586	14	10,240	3.80	389	10-70		37	610	.02	25	39
42-23-0007	334569	260794	8-67	2	299	13,160	3.66	482	15	9,545	3.72	355	5-71		36	423	-.02	14	24
42-23-0007	339764	326678	8-68	1	295	15,800	3.73	589	15	9,220	3.74	345	9-71		23	589	.00	22	36
42-23-0007	341180	326678	9-68	1	291	13,450	3.42	460	15	9,220	3.74	345	9-71		23	377	-.04	10	20
42-23-0007	341183	330735	11-68	2	293	12,805	3.65	467	11	10,250	3.71	380	4-72		25	323	-.01	11	19
42-33-0210	311813	79581	2-64	4	296	11,672	3.62	423	6	9,060	3.53	320	3-71		40	376	.09	23	30
42-33-0210	335415	195525	12-67	2	305	11,830	3.74	443	9	8,745	3.73	326	12-71		36	509	.00	19	31
42-42-0037	322658	228867	12-65	3	305	15,413	3.21	495	12	10,996	3.63	399	9-71		39	722	-.11	15	34
42-42-0037	340944	312416	12-68	1	305	12,470	3.41	425	6	8,160	3.37	275	5-71		19	389	-.01	13	22
42-43-0010	330359	317993	9-66	4	305	13,207	3.88	513	11	10,195	3.86	394	1-72		35	582	.01	23	36
42-43-0010	330360	317993	9-66	3	305	11,296	3.80	429	5	9,830	3.83	376	7-71		33	346	.00	13	21
42-43-0010	333849	317993	5-67	3	305	11,690	4.04	472	13	8,700	3.87	337	9-71		33	534	.04	24	36
42-43-0010	333851	303727	9-67	2	305	13,565	3.69	501	5	11,190	3.86	432	9-71		31	301	-.02	9	17
42-43-0010	333856	317993	9-67	1	305	13,310	3.37	449	15	9,000	3.80	342	9-70		25	545	-.04	16	30
42-43-0010	336180	317993	3-68	2	305	11,300	3.99	451	9	9,535	3.84	366	6-71		30	362	.03	17	25
42-43-0010	340036	317993	9-68	2	293	13,985	3.70	517	6	11,995	3.78	453	3-72		30	417	.00	15	25
42-43-0010	342741	317993	3-69	1	305	12,900	3.97	512	6	8,600	3.94	339	7-71		25	541	.02	22	34
42-43-0010	344825	317993	10-69	1	305	13,150	3.58	471	6	10,760	3.84	413	2-72		25	392	-.01	13	23
42-43-0010	344827	317993	9-69	1	305	15,180	3.47	527	5	10,820	3.87	419	3-72		25	566	-.04	17	31
42-43-0010	344832	317993	8-69	1	305	12,310	3.85	474	5	10,820	3.87	419	3-72		25	313	.00	12	19
42-56-0004	320731	290966	12-64	4	304	13,438	3.85	518	10	10,488	3.78	396	1-71		30	452	.02	19	29
42-56-0004	324888	305879	1-66	4	284	11,102	3.80	422	6	9,855	3.68	363	9-71		35	346	.03	16	24
42-56-0004	328653	304811	7-66	4	297	14,755	3.54	523	9	11,135	3.82	425	1-72		34	658	-.05	19	36
42-56-0004	328656	305879	10-66	4	228	13,537	4.06	549	7	11,615	3.71	431	3-72	B	35	466	.08	26	35
42-56-0004	339376	305879	6-68	2	305	15,655	3.65	571	5	10,805	3.86	417	11-71		31	761	-.01	27	45
42-56-0004	339379	324884	8-68	1	305	15,560	3.57	556	13	11,580	3.87	448	3-71		19	391	-.03	11	21
42-56-0004	344141	325917	7-69	1	305	14,740	3.41	503	8	11,060	3.88	429	7-71		19	357	-.05	8	17
42-57-0168	325259	295856	7-65	4	295	11,245	3.65	411	13	9,413	3.52	331	1-72		33	322	.02	14	21
42-57-0168	331424	295856	12-66	3	281	13,793	3.43	473	14	9,747	3.47	338	12-71		32	615	-.02	21	36
42-57-0168	337126	295856	8-67	3	292	13,820	3.51	485	18	10,307	3.48	359	2-72		32	549	.00	20	33
42-57-0168	337129	324235	4-67	3	287	13,386	3.56	477	11	10,173	3.64	370	3-72		32	443	-.02	14	25
42-57-0168	341690	324235	7-68	2	304	14,805	3.35	496	10	10,775	3.73	402	3-72		29	500	-.07	11	24
42-66-0122	322155	304949	3-65	3	190	12,023	3.48	419	9	9,257	3.53	327	3-71		29	380	-.01	13	22
42-66-0122	328817	228867	11-66	3	211	12,250	3.49	428	9	9,670	3.55	343	1-72		39	481	-.04	13	25
42-66-0122	335806	328808	1-68	2	267	13,085	3.64	476	6	10,260	3.47	356	1-72		25	357	.02	15	23
42-66-0122	343786	334565	7-69	1	276	12,660	3.52	446	8	9,260	3.66	339	8-71		19	313	-.01	10	18
42-66-0122	343792	328808	11-69	1	305	15,210	3.33	507	5	11,330	3.42	387	1-72		19	379	-.02	12	21
42-71-0004	323280	195525	9-65	4	291	12,620	4.06	513	5	9,562	3.70	354	3-72		40	573	.05	27	40
42-71-0004	340844	326785	8-68	1	305	12,980	3.73	484	5	10,210	3.97	405	10-70		23	306	-.02	9	17
42-86-0089	327285	312720	10-66	3	305	14,256	3.71	529	14	11,803	3.53	417	8-71		34	509	.02	21	33
42-89-0007	336104	325801	3-68	2	305	13,035	3.68	480	5	9,665	3.36	325	6-71		32	513	.04	23	34
42-91-0093	334130	322557	9-67	3	291	12,487	3.49	436	10	10,037	3.68	369	4-72		29	346	-.03	10	19
42-91-0093	339407	328613	8-68	2	288	13,195	3.53	466	11	8,375	3.61	302	11-71		25	586	-.02	20	34
42-91-0093	339408	328613	12-68	2	261	12,180	3.33	406	11	9,360	3.71	347	1-72		25	345	-.05	7	16
42-91-0093	339414	332607	12-68	2	304	11,990	3.42	410	7	8,980	3.65	328	8-71		25	364	-.03	10	19
43-19-0028	319330	215779	10-64	3	305	12,310	3.90	480	7	9,676	3.80	368	10-71		33	348	.02	15	23
43-35-0010	315919	232133	10-64	3	293	14,347	3.60	517	15	13,280	3.47	461	3-71		36	315	.01	13	20
43-35-0010	325974	323237	6-66	2	305	14,000	4.10	574	11	10,590	3.53	374	8-71		25	435	.08	25	34
43-35-0010	344016	322823	7-69	1	305	15,100	3.63	548	5	10,280	3.64	374	8-71		26	431	-.03	13	24
43-35-0036	301745	260385	9-62	5	305	13,994	3.95	553	10	9,868	3.67	362	4-71		36	651	.05	29	44
43-35-0036	328117	312186	3-66	4	284	11,903	3.60	428	16	9,875	3.61	356	1-72		30	302	.00	11	18
43-35-0036	329844	260385	6-66	4	304	12,012	3.45	414	12	9,980	3.63	362	3-72		35	331	-.04	8	17
43-35-0036	337027	260385	6-67	3	305	12,140	3.67	446	13	9,080	3.66	332	7-71		33	438	.00	16	26
43-49-0035	224629	172342	11-55	7	303	13,133	3.80	499	13	11,321	3.86	437	3-71		32	304	.00	11	18
43-49-0035	269782	32190	2-59	5	263	13,400	3.54	475	17	10,466	3.71	388	8-71		37	459	.01	18	29
43-49-0035	288301	32190	2-60	6	302	13,672	3.99	545	11	11,727	3.90	457	4-71		37	333	.06	19	26
43-49-0035	303743	260225	11-62	5	303	13,190	3.68	485	22	10,730	3.84	412	8-71		35	395	-.02	12	22
43-49-0035	308303	260385	9-63	5	253	12,440	3.60	448	18	10,114	3.66	370	10-70		36	387	-.01	13	22
43-49-0035	308818	293041	6-63	3	305	13,983	3.63	507	13	11,537	3.72	429	3-71		32	343	-.02	11	19
43-49-0035	308820	293041	5-63	4	305	14,280	3.47	496	11	11,505	3.86	444	2-71		34	415	-.07	8	19
43-49-0035	321981	293041	10-64	3	305	14,817	3.37	500	9	11,390	3.62	412	1-72		32	474	-.05	12	24
43-49-0035	321986	293041	10-64	4	305	14,600	3.66	535	8	11,773	3.72	438	3-72		34	426	-.01	15	25
43-49-0035	329742	293041	1-66	3	279	13,673	3.09	423	20	10,443	3.61	377	11-71		32	434	-.09	6	18
43-49-0035	331458	260794	11-66	2	305	15,320	3.95	605	31	10,440	3.54	370	8-71		36	569	.04	25	38
43-49-0035	334886	271253	8-67	2	305	14,020	4.08	572	33	10,355	3.53	366	8-71		32	347	.09	22	29
45-09-0007	295222	280708	11-61	6	246	12,480	3.53	440	7	11,173	3.45	386	4-72	B	35	429	-.01	15	25
45-09-0007	338101	337716	11-67	3	290	13,597	3.24	441	6	10,817	3.49	377	9-71		29	404	-.06	9	20
45-29-0001	344508	306246	11-67	1	305	15,840	3.30	523	16	10,970	3.50	384	12-70		29	417	-.03	12	22
45-29-0001	344847	328705	7-68	2	230	14,595	3.09	451	14	10,830	3.55	385	11-71	B	25	483	-.08	9	22
45-29-0001	345476	309596	8-68	2	264	14,565	3.36	490	14	11,325	3.51	398	3-72		29	381	-.04	10	20
47-01-0001	323903	272215	10-65	4	303	12,802	3.95	506	7	9,027	3.81	344	10-71		38	545	.02	22	35
47-01-0001	334186	302366	8-67	3	273	12,193	3.94	481	17	10,307	3.70	381	11-71		33	304	.08	20	26
47-21-0004	330740	301074	11-66	3	305	15,417	3.44	530	10	9,280	3.79	352	9-71		29	860	-.06	25	47
47-21-0004	331240	300784	1-67	3	305	12,820	3.74	479	18	9,773	3.81	372	5-71		29	427	-.01	15	25
47-21-0004	332560	322823	2-67	3	305	11,923	3.56	425	9	9,263	3.82	354	1-72		34	348	-.06	7	16
47-21-0004	334568	260794	9-67	2	305	12,510	3.57	447	17	9,505	3.85	366	4-71		36	357	-.04	9	18
47-21-0004	336123	260794	12-67	2	305	12,505	3.57	446	16	9,500	3.81	362	6-71		36	357	-.04	9	18
47-21-0004	338118	305879	5-68	1	305	14,250	3.89	555	17	10,280	3.83	394	3-71		26	546	.03	23	35
47-34-0014	315390	306703	6-64	4	300	11,755	3.52	414	9	9,580	3.59	344	1-71		30	320	-.02	10	18
47-34-0014	329194	304137	7-66	3	292	12,890	3.75	484	8	9,693	3.59	348	10-70		34	346	.04	17	24
47-34-0014	336220	232133	2-68	2	289	13,200	3.47	458	14	10,575	3.53	373	3-72		33	447	-.02	14	25
47-71-0070	315414	300784	8-64	4	304	11,995	4.01	481	9	9,490	3.89	369	11-71		30	369	.03	17	25
47-71-0070	323008	228867	10-65	3	298	12,223	3.90	477	8	9,833	3.96	389	1-72		39	460	-.03	14	25

TABLE 6. MILKING SHORTHORN USDA-DHIA HIGH RANKING COWS (CONTINUED).

COW'S LAST HERD CODE	..REGISTRATION... COW NUMBER	SIRE NUMBER	COW BORN MO-YR	..COW'S AVERAGE PRODUCTION. RECS	DAYS	MILK (LB)	FAT (%)	FAT (LB)	..HERDMATE AVERAGES.. NO.	MILK (LB)	FAT (%)	FAT (LB)	LAST CALVD MO-YR	T C D	REPT (%)	.......C O W MILK (LB)	I N D E X....... FAT (%)	FAT (LB)	DOL-LARS
47-71-0070	324264	311719	3-66	3	268	12,247	3.78	463	8	9,763	4.11	401	1-72		29	347	-.04	9	$ 18
71-02-0005	298822	232133	4-62	6	301	14,832	3.48	516	17	12,540	3.50	439	3-71		38	496	-.02	16	28
71-02-0005	313550	298817	4-64	3	303	16,460	3.15	519	16	13,367	3.39	453	3-71		29	485	-.06	11	24
71-02-0005	330338	312720	9-66	4	303	15,215	3.30	502	20	12,472	3.57	445	1-72		35	581	-.07	14	29
71-02-0005	334462	308992	9-67	2	302	15,600	3.36	524	14	13,255	3.51	465	5-71		29	402	-.05	10	20
71-02-0005	334808	322008	10-67	3	295	16,063	3.35	538	16	13,407	3.53	473	3-72		29	423	-.04	11	22
71-19-0037	298472	253691	3-62	6	305	12,655	3.21	406	18	9,842	3.44	339	10-71		35	405	-.07	8	19
71-19-0037	320134	297356	3-65	3	305	12,873	3.53	454	21	10,667	3.43	366	8-71		29	320	.01	13	20
71-19-0037	322852	308992	9-65	3	305	12,806	3.60	461	12	10,190	3.52	359	3-72		32	434	-.01	15	25
71-19-0037	329555	291166	11-66	3	305	13,627	3.43	467	21	10,390	3.46	359	8-71		32	501	-.02	16	28
71-19-0037	329561	291166	10-66	3	299	14,463	3.37	488	17	11,213	3.55	398	2-71		32	514	-.05	14	27
71-19-0037	329565	291166	12-66	3	305	14,133	3.22	455	16	11,047	3.43	379	2-72		32	489	-.06	12	25
71-19-0037	332382	308992	3-67	3	293	11,940	3.38	403	15	9,830	3.53	347	9-71		32	360	-.05	8	17
71-19-0037	336316	314597	1-68	1	305	14,120	3.55	501	18	11,390	3.63	414	8-70		27	579	-.04	17	31
73-20-0002	321629	307377	6-65	2	302	12,055	3.43	414	24	9,500	3.51	333	2-71		25	313	-.01	10	18
73-20-0002	324453	210413	10-65	4	304	12,460	3.39	422	19	10,313	3.59	370	3-72		35	339	-.05	7	16
73-25-0003	310868	296208	12-63	4	251	13,833	3.42	473	9	11,058	3.51	388	11-71		33	481	-.03	15	27
73-25-0003	316011	296208	8-64	4	303	13,160	3.46	455	16	11,335	3.53	400	10-71		33	346	-.02	11	20
73-25-0003	322195	309239	7-65	3	305	13,523	3.39	458	17	10,043	3.47	348	7-71		29	492	-.03	15	27
73-25-0003	332861	242048	3-67	1	305	16,130	3.63	585	12	11,490	3.72	428	8-70		28	375	-.01	13	22
73-25-0003	339929	325341	8-68	1	305	16,940	3.65	619	10	11,290	3.46	391	11-71		23	447	.02	19	29
73-26-0001	281593	211667	9-60	7	279	16,604	3.31	549	18	11,664	3.46	404	2-71	8	36	766	-.07	21	40
73-26-0001	326794	228867	9-66	4	305	14,212	3.43	488	13	11,132	3.52	392	11-71		40	583	-.06	15	30
73-26-0001	333423	307427	9-67	2	207	15,395	3.22	495	18	11,910	3.37	401	3-71	8	25	461	-.05	12	24
73-26-0001	340241	314597	2-69	1	283	11,640	3.81	443	9	10,030	3.58	359	9-71		27	472	-.01	16	27
73-26-0001	345220	342771	3-70	1	305	15,75[illegible]	3.66	576	10	11,150	3.35	374	12-71		19	445	.02	19	29
73-66-0029	332578	228867	4-67	3	293	11,713	3.46	405	11	8,773	3.50	307	9-71		39	514	-.05	14	27
82-32-0123	339398	314597	10-68	2	304	15,350	3.66	562	5	11,300	3.63	410	12-71		32	792	-.02	27	46
82-71-0019	337343	317676	4-68	2	289	13,890	3.95	549	5	11,035	3.72	410	1-72		25	371	.04	18	26
82-71-0019	338580	320485	8-68	2	275	15,720	4.88	767	5	11,090	3.77	418	10-71		25	596	.21	45	55
84-03-0902	336250	293661	11-67	1	305	15,310	4.24	649	10	10,090	3.69	372	2-72		32	490	.05	23	34
84-03-0902	341476	305879	1-69	1	270	12,030	3.45	415	6	9,080	3.73	339	7-71		26	447	.00	16	27
84-03-0902	344143	320736	9-69	1	305	14,150	3.57	505	9	10,740	3.78	406	3-72		19	328	-.02	10	18
86-01-9416	294151	181531	7-61	4	299	12,337	3.72	459	8	9,562	3.69	353	11-71		39	488	.02	20	31
86-01-9416	329010	255156	3-66	3	296	14,093	3.24	457	5	9,050	3.70	335	5-71		34	692	-.08	17	35
86-01-9416	329014	301131	8-66	4	293	12,960	3.56	462	8	9,988	3.68	368	1-72		35	374	-.02	12	21
86-01-9500	321544	195525	7-65	3	305	13,413	3.71	497	9	10,876	3.49	380	9-71		38	506	.02	21	33
86-01-9500	330121	260794	7-66	3	300	13,920	3.47	483	8	11,293	3.53	399	1-72		39	374	-.03	11	20
91-28-0082	299260	250463	3-62	3	291	12,113	3.65	442	12	9,363	3.56	333	1-72		29	379	.01	15	24
91-28-0082	307543	262973	10-63	5	279	11,490	3.75	431	9	9,628	3.67	353	2-72		34	316	.01	13	20
91-28-0082	333163	318395	7-67	2	277	13,260	3.24	429	9	8,675	3.70	321	5-71		30	685	-.08	17	35
91-28-0082	333173	314416	7-67	2	305	12,685	3.72	472	10	8,575	3.74	321	10-71		25	498	.01	19	31
91-28-0082	333882	318395	7-67	3	302	12,126	3.62	439	10	9,163	3.56	326	3-72		33	539	.00	20	33
91-28-0082	333884	318395	10-67	3	299	12,080	3.84	464	9	9,520	3.55	338	2-72		33	490	.03	21	32
91-34-0210	296535	262190	9-61	7	277	14,043	3.35	471	18	11,746	3.45	405	3-72		35	409	-.03	12	22
91-34-0210	334680	312720	7-67	3	246	12,243	3.48	426	12	10,550	3.41	360	12-71		34	393	.00	14	23
91-34-0210	335959	314597	4-68	2	305	15,970	3.24	518	10	9,985	3.46	345	9-71		32	999	-.08	28	53
91-34-0210	337174	228867	6-68	2	205	13,090	3.19	418	9	11,255	3.39	381	3-72		36	389	-.07	7	18
91-34-0210	337956	311970	4-66	4	302	12,960	3.59	465	5	10,762	3.57	384	2-72		37	458	-.04	13	25
91-34-0210	341412	312671	5-69	1	291	13,860	3.52	488	6	9,770	3.38	330	7-71		29	379	.00	14	23
92-20-5054	314996	294055	10-63	4	305	11,713	4.06	475	11	9,360	3.81	357	11-71		30	344	.05	18	25
92-20-5054	338806	321101	7-68	1	305	12,880	3.63	468	12	9,500	3.80	361	6-71		19	314	-.02	10	18
92-20-5054	338810	321101	3-68	1	305	12,360	3.62	448	13	8,920	3.85	343	10-71		19	314	-.02	10	18
93-48-0006	296529	253689	2-62	4	302	12,888	3.61	465	50	10,485	3.70	388	9-71		36	419	-.01	14	24
93-48-0006	302782	189693	7-62	3	286	14,640	3.30	483	41	11,743	3.62	425	4-71		38	348	-.06	7	16
93-48-0006	302786	254947	5-62	3	305	13,863	3.47	481	49	10,967	3.71	407	7-71		34	409	-.04	11	21
93-48-0006	310435	176356	5-63	3	297	12,623	3.81	481	44	10,326	3.69	381	8-71		33	304	.03	14	21
93-48-0006	318376	295919	12-64	4	305	13,825	3.73	515	34	11,510	3.61	416	4-72		34	402	.03	18	27
93-48-0006	324148	295919	7-65	3	304	12,646	3.60	455	42	10,576	3.65	386	7-71		32	334	.00	12	20
93-48-0006	324849	295919	8-65	3	305	12,950	3.85	498	33	10,426	3.64	379	3-72		32	394	.04	19	28
93-48-0006	328890	312671	4-66	4	296	14,045	3.60	506	37	11,347	3.65	414	2-72		38	417	.00	15	25
93-48-0006	328897	290495	6-66	3	305	14,180	3.41	484	42	11,597	3.67	426	6-71		33	361	-.04	9	16
93-48-0006	328921	290495	6-66	3	305	14,707	3.48	512	38	11,670	3.65	426	1-71		33	422	-.03	12	23
93-48-0006	340447	314067	2-68	1	305	14,500	3.63	526	43	11,840	3.64	431	4-71		22	369	-.01	13	22
93-48-0006	340449	295919	1-68	2	305	12,905	3.78	488	44	10,445	3.71	387	8-71		29	349	.02	15	23
93-48-0006	340461	314067	8-68	1	305	14,570	3.87	564	43	11,840	3.64	431	4-71		22	375	.03	17	25
93-48-0006	340545	314067	11-67	2	297	12,270	3.79	465	52	10,330	3.73	385	8-71		28	340	.01	14	22
93-48-0006	340553	295919	11-67	3	293	12,750	3.45	440	31	10,950	3.60	394	1-72		32	303	-.02	9	17
93-48-0006	340558	295919	6-68	2	305	15,645	3.43	536	28	11,825	3.53	418	3-72		29	528	-.02	17	30
93-48-0006	340566	314067	8-68	1	305	14,820	3.70	549	43	11,840	3.64	431	4-71		22	398	.00	15	24
93-48-0006	340588	314067	11-68	1	305	13,080	3.55	464	27	10,550	3.65	385	11-71		22	345	-.02	11	19
93-48-0006	340589	314067	8-68	1	305	14,000	3.64	509	43	11,840	3.64	431	4-71		22	323	.00	12	20
93-48-0006	345134	325606	7-69	1	305	15,250	3.33	508	30	12,120	3.53	428	3-72		19	315	-.03	8	16
93-50-0579	302011	189693	8-62	3	282	14,460	3.53	510	8	11,790	3.54	417	1-71		38	321	.00	12	20

TABLE 7. LIST OF HERD-OWNERS.

HERD CODE	NAME OF OWNER	. . . . A D D R E S S O F O W N E R . . . . STREET OR ROUTE	TOWN	ZIP-CODE	STATE
11-10-0001	ADDITON, ELDEN F.		GREENE	04236	ME
11-10-0003	CENTURY ELM FM. INC. 1	ATT LESLIE BOOTHBY	LIVERMORE FALLS	04254	ME
11-10-0005	BRIGGS, H. C. AND SON	R F D 1	TURNER	04282	ME
11-10-0008	BRADFORD, ALBERT	R F D 1	TURNER	04282	ME
11-10-0011	HEMOND, ROLAND	R F D 2	MECHANIC FALLS	04256	ME
11-10-0013	KEENE, RAYMOND & MAURICE	NORTH RIVER ROAD	AUBURN	04210	ME
11-10-0015	LEAVITT FARM	R D 2 ATT P.B.VARN	NORTH TURNER	04266	ME
11-10-0028	CALDWELL, LAWRENCE HD 1	R F D	TURNER	04282	ME
11-10-0032	CASTONGUAY, C. AND SONS	R D 2	LIVERMORE FALLS	04254	ME
11-10-0033	HERSEY, NORMAN	R F D 1	TURNER	04282	ME
11-10-0037	LIBSON FARMS	R.D.1ALFRED T. LIB	AUBURN	04210	ME
11-10-0038	TORREY, GLEN W.	ROUTE 4 BOX 108	AUBURN	04210	ME
11-10-0042	BARKER, TED		NORTH LEEDS	04263	ME
11-10-0069	WATERMAN, ROBERT & DONAL		SABATTUS	04280	ME
11-10-0111	BOTMA, A.	R F D 1	LISBON FALLS	04252	ME
11-10-0112	ROSS, NATALIE AND ALTHEA	R F D 3	FREEPORT	04032	ME
11-10-0187	CENTURY ELM FM. INC. 2	ATT LESLIEBOOTHBY	LIVERMORE FALLS	04254	ME
11-10-0190	TRIPP, DWIGHT JR.	R F D 2	AUBURN	04210	ME
11-10-0196	POLAND, DOUGLAS W.	RFD 5	GARDINER	04345	ME
11-11-0024	ANDERSON, WILLIAM W.		SHERMAN MILLS	04776	ME
11-11-0035	RAND, STUART S.	RFD1	SHERMAN MILLS	04776	ME
11-11-0040	SHUR, JACOB		ISLAND FALLS	04747	ME
11-12-0007	BENSON, A. H. JR.	R F D 2	GORHAM	04038	ME
11-12-0008	BLACK, HENRY W.		WEST BALDWIN	04091	ME
11-12-0021	FLAGGY MEADOW FARM	ATT C E YOUNG R D	GORHAM	04038	ME
11-12-0022	SPRING BROOK FARM	GREELY ROAD	CUMBERLAND CENTER	04021	ME
11-12-0026	LIBBY, W. G. AND A. W.		SEBAGO LAKE	04075	ME
11-12-0037	WILSON FARMS	RFD1	CUMBERLAND CENTER	04201	ME
11-12-0038	ZACHARIAS HOLSTEINS	31 EUREKA ROAD	FALMOUTH	04105	ME
11-12-0065	ROSSBACH, JILL & WALTER	R D SNOWFIELD FARM	POWNAL	04069	ME
11-12-0071	WILSON, MICHAEL M.	MERRILL RD	GRAY	04039	ME
11-12-0076	GORDON, ROBERT C. & SON	PINEVIEW FM R F D	GORHAM	04038	ME
11-12-0079	MORRELL BROTHERS	J & C MORRELL RFD	SOUTH WINDHAM	04082	ME
11-12-0095	SILVER MAPLE FARM 2	R F D STATE ROAD	HARRISON	04040	ME
11-12-0101	WILSHORE FMS-DOUG SHORES	85 HURRICANE ROAD	FALMOUTH	04105	ME
11-13-0035	FARRINGTON, E. AND SON	ROUTE 1	DRYDEN	04225	ME
11-13-0048	ARCHER, ELWOOD & SON	R F D 2	FARMINGTON	04938	ME
11-13-0051	SILVER VALLEY FARMS	R F D	NEW SHARON	04955	ME
11-13-0055	BOGUE, EARL	65 NORTH MAIN ST.	FARMINGTON	04938	ME
11-13-0060	HARDY, FRED	R F D 1	FARMINGTON	04938	ME
11-15-0009	CLEARVIEW FARMS	BOX 315	WINTHROP	04364	ME
11-15-0012	PRIME, RALPH HD 1	ROUTE 5	AUGUSTA	04301	ME
11-15-0041	PINE HILL FARMS	R F D 2	WATERVILLE	04900	ME
11-15-0043	DRAKE, FREELAND	R F D 2	ALBION	04910	ME
11-15-0078	CAVERLY BROS.	R F D 2	WATERVILLE	04900	ME
11-15-0110	PRATT, PHYLLIS	POND RD.	ALBION	04910	ME
11-15-0115	CHICK ORCHARDS INC.	FARM 1	MONMOUTH	04259	ME
11-15-0116	OAKLANDS FARM 1		GARDINER	04345	ME
11-15-0161	BRADSTREET, FRED & AVIS	FARM 2	ALBION	04910	ME
11-15-0166	DAVENPORT, WARREN + EVA	R F D 1	WAYNE	04284	ME
11-15-0170	PICARD, EDWARD	UNITY PL. RFD 1	UNITY	04988	ME
11-15-0179	PERKINS, FRED V. HD. 1	R F D 4	AUGUSTA	04330	ME
11-15-0183	CLEMEDOW FARMS HD 2	RFD 1	MONMOUTH	04259	ME
11-16-0024	HAWES, HERBERT & SONS IN		UNION	04862	ME
11-16-0030	JOHNSTON, LEON		JEFFERSON	04348	ME
11-17-0001	BENNETT BROTHERS	R F D	BUCKFIELD	04220	ME
11-17-0012	SMEDBERG, ROGER N.	R F D 1	SOUTH PARIS	04281	ME
11-17-0032	CONANT, GLADYS E. & SONS	CONANT ACRES RD.	CANTON	04221	ME
11-17-0033	KEENE, MILTON & LOLA	ROCKY RIDGE FM RFD	CANTON	04221	ME
11-17-0036	HOWARD, ARCHER AND SONS	R D 1	HARRISON	04040	ME
11-17-0053	DU-WAYNE FARM	RFD2 BOX 28A	NORWAY	04268	ME
11-17-0080	MILLIGAN, SABON P.	STAR ROUTE	RUMFORD POINT	04279	ME
11-17-0098	SHAW, FRANK JR.		NORTH FRYEBURG	04058	ME
11-18-0002	UNIVERSITY OF MAINE	ROGERS HALL	ORONO	04473	ME
11-18-0003	UNIVERSITY OF MAINE	ROGERS HALL	ORONO	04473	ME
11-18-0004	UNIVERSITY OF MAINE	ROGERS HALL	ORONO	04473	ME
11-18-0035	DUNIVAN, ORAL	R F D	DIXMONT	04932	ME
11-18-0046	HODGDON, FRANCIS	R F D 2 BOX 345	BREWER	04412	ME
11-18-0059	COBURN, PHILIP	R F D 1	CORINNA	04928	ME
11-18-0060	VEAZIE, KENNETH		CORINNA	04928	ME
11-18-0066	BUTTERS, WARREN G.	R F D 1	EAST CORINTH	04427	ME
11-18-0067	EATON, LINWOOD	R F D 1	EAST CORINTH	04427	ME
11-18-0088	HOWARD BROTHERS	R F D 2	ORRINGTON	04474	ME
11-18-0125	GOODELL, ROGER N.	BOX 346 R D 2	BANGOR	04401	ME
11-18-0136	VARNUM, REX	R F D 2	DOVER-FOXCROFT	04426	ME
11-18-0179	HESKETH, CHARLES E.	R F D 2	DOVER FOXCROFT	04426	ME
11-18-0181	DOW, ELWIN AND SONS	R F D 2	DOVER FOXCROFT	04426	ME
11-20-0002	CROCKETT, BURLEIGH S.	MIDDLE ROAD R D 1	FAIRFIELD	04937	ME
11-20-0004	PRICE, EVERETT R & SON	RFD EAST RIDGE ROA	SKOWHEGAN	04976	ME
11-20-0027	DAVIS, C. L.	ROUTE 2	PITTSFIELD	04967	ME
11-20-0037	BUBAR, WENDELL AND SONS	R F D	SAINT ALBANS	04971	ME
11-20-0042	WIERS, BYRON R.		SAINT ALBANS	04971	ME
11-20-0066	WILLIAMS, HARVEY		NORTH ANSON	04958	ME
11-20-0083	GRAZEMOOR FARM E. PATTEN		SAINT ALBANS	04971	ME
11-20-0134	LEAVITT, DANA	R F D 1	SAINT ALBANS	04971	ME

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	. . . . ADDRESS OF OWNER . . . . STREET OR ROUTE	TOWN	ZIP-CODE	STATE
11-20-0175	BEMIS, EDWARD	R F D	ST. ALBANS	04971	ME
11-20-0182	SCOTT, RICHARD W.	MARTIN STREAM RD #	NORRIDGEWOCK	04957	ME
11-20-0184	PHOTIOU, JAMES	R F D	CORINNA	04928	ME
11-21-0003	HUNTER, G. LEROY	R D 1	UNITY	04988	ME
11-21-0007	INGRAHAM, JOHN W. & SON	R F D	THORNDIKE	04986	ME
11-21-0009	HURD, VAUGHN E.		THORNDIKE	04986	ME
11-21-0014	LARRABEE, NEWTON & SONS	R D 1	THORNDIKE	04986	ME
11-21-0015	GRAY, ROBERT E.	R D 1	TROY	04987	ME
11-21-0018	PIPER, SEAVY A. AND SON	R D 1	TROY	04987	ME
11-21-0037	SPRINGDALE FARM	ROUTE 2	BELFAST	04915	ME
11-21-0048	HOLMES, J. S.	39 WATER STREET	BELFAST	04915	ME
11-21-0052	WARD, FREDERIC	R D 2	THORNDIKE	04986	ME
11-21-0058	CLEMENTS, MRS ROLAND ESN	R F D 1	FRANKFORT	04438	ME
11-21-0080	MITCHELL, ROGER L.	STAR ROUTE	UNITY	04988	ME
11-21-0087	HUSTUS, KENNETH L.	R D 2	THORNDIKE	04986	ME
11-21-0106	PRICE, RONALD	R F D 1 CRANELAND	THORNDIKE	04986	ME
11-21-0123	LUFKIN, BENJAMIN	BOX 81 LUFKINFMS	BROOKS	04921	ME
11-23-0010	SCAMMAN, LELAND G.	R F D 2	SACO	04072	ME
11-23-0016	JOHNSON, CHESTER	WILSON ROAD	KITTERY	03904	ME
11-23-0023	COLE FARM DAIRY, INC.	R F D 3 FM 1	BIDDEFORD	04005	ME
11-23-0026	NOYES, CHARLES E.	R F D	BERWICK	03901	ME
11-23-0027	HARRIS, JOHN FARM 1	R F D 3	BIDDEFORD	04005	ME
11-23-0036	SHAW, HAROLD J.	R F D	SANFORD	04073	ME
11-23-0039	STEWART, JAMES A.	DOWNING RD.	KENNEBUNK	04043	ME
11-23-0051	NICHOLS, MARK & BEVERLY	ROCKEM WHIP FARM	LIMERICK	04048	ME
11-23-0052	GAY, ROBERT	R F D 1	SACO	04072	ME
11-23-0053	EMERY, HARTLEY JR.	BLACKBERRY HILL RD	BERWICK	03901	ME
11-23-0064	LEARY, MILLARD AND SON	R F D 1	SACO	04072	ME
11-23-0069	SHERMAN, CHARLES 3RD.	R D 3 WADLIN RD.	BIDDEFORD	04005	ME
11-23-0090	COLE FARM DAIRY, INC	R F D 3 HERD 2	BIDDEFORD	04005	ME
11-23-0092	PIKE, ROBERT S.	RFD	CORNISH	04020	ME
11-23-0093	SUNUP FM ATT WM TIEDEMAN	STAR ROUTE	STEEP FALLS	04085	ME
11-23-0094	HARRIS, JOHN FARM 2	R F D 3	BIDDEFERD	04005	ME
12-10-0104	BROOK HILL FARM	ATT MILTON STONE	TILTON	03276	NH
12-11-0103	CRESCENT FARM 1	WENTWORTH RD	WALPOLE	03608	NH
12-11-0107	ALDRICH, J. KIRK	ROUTE 1 BOX 71	WESTMORELAND	03467	NH
12-11-0108	CHESHIRE COUNTY FARM		WESTMORELAND DEPO	03467	NH
12-11-0121	BARRETT, PETER & DAVID	SUMMIT ROAD	KEENE	03431	NH
12-11-0128	HILLSIDE VIEW FARM	HARRY C TENNEY RF	KEENE	03431	NH
12-11-0129	PLUMB, FRANCIS	MELLOW MEADOWS FAR	WALPOLE	03608	NH
12-11-0140	PLEASANT VALLEY FARM		WINCHESTER	03470	NH
12-11-0149	ADAMS, ROGER S.		WESTMORELAND	03467	NH
12-12-0101	FRIZZELL, EDWIN	R F D 1	COLEBROOK	03576	NH
12-12-0105	COOS COUNTY FARM		WEST STEWARTSTOWN	03597	NH
12-12-0112	MARTIN, MILLARD	R F D 1	LANCASTER	03584	NH
12-12-0115	ROGERS, WOODROW	SERENE ACRES	JEFFERSON	03583	NH
12-12-0173	MARSHALL, A.J. & SONS	BOX 95	NORTHUMBERLAND	03905	NH
12-12-0174	IDLENOT JERSEY FARM	ATT: WINSTON BANFI	NORTH STRATFORD	03590	NH
12-12-0209	WHITAKER G L & C M	R F D 1	NORTH STRATFORD	03590	NH
12-13-0109	KING, EVERETT R.	R F D	LYME	03768	NH
12-13-0113	PATCH, WALLACE M. AND SO	BOX 270	LEBANON	03766	NH
12-13-0116	TOWNSEND, NORMAN	STARRS HILL	LEBANON	03766	NH
12-13-0117	KORPELA, JOHN AND SON	RFD 1	WEST LEBANON	03784	NH
12-13-0146	PUTNAM, WILLIAM AND SON		HAVERHILL	03765	NH
12-13-0147	RITCHIE, GEORGE F.		HAVERHILL	03765	NH
12-13-0154	STODDARD, GERALD A.		NORTH HAVERHILL	03774	NH
12-13-0166	THE ROCKS	R F D	LITTLETON	03561	NH
12-13-0169	CLEMENT, DAVID	JOCKEY HILL FARM	LISBON	03585	NH
12-13-0172	SPRINGVALE FARMS	R F D 2	LISBON	03585	NH
12-13-0174	DENNIS, RALPH		ORFORD	03777	NH
12-13-0181	WARD, LINFIELD		MONROE	03771	NH
12-13-0194	ROBIE, FREEMAN	R F D	PIERMONT	03779	NH
12-13-0200	WARD, H. NORMAN		MONROE	03771	NH
12-13-0201	BIRCHBROOK FARM	R F D	LISBON	03585	NH
12-13-0205	RECORD, WALTER L.		LYME	03768	NH
12-13-0206	THAYER, ORMAN AND SONS	R F D	NORTH HAVERHILL	03774	NH
12-13-0210	TULLAR, GEORGE		ORFORD	03777	NH
12-13-0217	FOBES FARM	BOX 57	FRANCONIA	03580	NH
12-13-0219	MILLER BROTHERS		NORTH HAVERHILL	03774	NH
12-13-0225	TULLAR, BERNARD		LYME	03768	NH
12-13-0249	CLEAR DAY FARM	BOX 27A	LISBON	03585	NH
12-13-0256	LEWIS, DALE & JACQUELINE	R F D	HAVERHILL	03765	NH
12-14-0110	CLOVERLY FARM	R F D	SOUTH LYNDEBORO	03082	NH
12-14-0121	JOPPA HILL FARM	R F D 2	MANCHESTER	03100	NH
12-14-0150	CHESTNUT RIDGE FARM		AMHERST	03031	NH
12-14-0158	GREAT MEADOWS FARM	HERSEY FARM	NEW BOSTON	03070	NH
12-14-0167	TROMBLY, STANLEY E.	R D	MILFORD	03055	NH
12-14-0173	CLARKS FARM	WORTHLY ROAD	MANCHESTER	03100	NH
12-14-0174	KNOXLAND FARM	R F D 2	WEARE	03281	NH
12-14-0176	WHEELER, KARL F.	NASHUA ST WHEELND	MILFORD	03055	NH
12-15-0104	BLOOD, DR. ROBERT D.	CRYSTAL SPRING FAR	EAST CONCORD	03300	NH
12-15-0105	N. H. STATE PRISON FARM	NO STATE ST	CONCORD	03300	NH
12-15-0119	GREEN GOLD FARM	R F D 1	SUNCOOK	03275	NH
12-15-0122	N. H. HOSPITAL FARM	105 PLEASANT STREE	CONCORD	03300	NH
12-15-0126	KIMBALL, FRANK AND SON	R F D 1	CONCORD	03301	NH

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	. . . . ADDRESS OF OWNER . . . . STREET OR ROUTE	TOWN	ZIP-CODE	STATE
12-15-0127	SAND BANK FARM	ATT ROBERT RUSSELL	CONTOOCOOK	03229	NH
12-15-0150	NELSON, STANLEY	STONEYNOOK FARM	CONTOOCOOK	03229	NH
12-15-0151	MORRILL, JOHN H. AND SON	31 RENACOOK STREET	PENACOOK	03303	NH
12-15-0154	FISHER, S. EMERY	FISHER FARM RFD 5	PENACOOK	03303	NH
12-15-0163	BARTLETT, STANLEY	R F D 8	CONCORD	03300	NH
12-15-0164	JORDAN, WILLIAM T. & SON	KADOCKADEE FARM RF	CONCORD	03301	NH
12-15-0169	KIMBALL, LLOYD	R F D 2	PITTSFIELD	03263	NH
12-15-0188	MESSER, RETER	KING HILL FARM	NEW LONDON	03257	NH
12-15-0193	DURGIN, LLOYD L.	SHAKER HILL RD.	HENNIKER	03242	NH
12-16-0101	BURWELL, CHARLES	HAMRTON FALLS RD	EXETER	03833	NH
12-16-0131	BODWELL, H. AND SONS		EAST KINGSTON	03827	NH
12-16-0149	JOHNSON, SAM & SONS HD 1		NORTHWOOD	03261	NH
12-16-0153	RUNNYMEDE FARM		NORTH HAMPTON	03862	NH
12-16-0162	STUART FARM	P O BOX 88	STRATHAM	03885	NH
12-17-0107	PIERCE, WESLEY		CENTER STRAFFORD	03815	NH
12-17-0115	FOWLER, H. E. AND SONS	SALMON FALLS ROAD	ROCHESTER	03867	NH
12-17-0119	LEE HOOK FM-CHARLES BRAD	R F D 1	NEWMARKET	03857	NH
12-17-0130	UNIV. OF NEW HAMPSHIRE	ATT DR GERALD D HA	DURHAM	03824	NH
12-17-0133	GREEN DREAM FARM	R F D 2	DOVER	03820	NH
12-17-0135	UNIV. OF NEW HAMRSHIRE	ATT DR GERALD D HA	DURHAM	03824	NH
12-17-0140	UNIV. OF NEW HAMPSHIRE	ATT DR GERALD D HA	DURHAM	03824	NH
12-17-0143	RIVERSIDE FM REM BATEMA	R F D 1	NEWMARKET	03857	NH
12-17-0145	SCRUTONS DAIRY FARM	R F D 2	ROCHESTER	03867	NH
12-17-0149	GEARWAR, ALBERT	R F D 1	DURHAM	03824	NH
12-17-0154	DAY, HERBERT E.	ROCKY HILL ROAD	SOMERSWORTH	03878	NH
12-17-0156	HALE, WILLIAM H.	HUCKINS RD.	DOVER	03820	NH
12-18-0106	BASCOM, HARVEY	GRAYDAWN FARM	ALSTEAD	03602	NH
12-18-0108	BASCOM, HORACE	HEMLOCK ROAD	CHARLESTOWN	03603	NH
12-18-0113	HOLMES FARM	R F D	ALSTEAD	03602	NH
12-18-0134	ADAMS, FRANK D.	R F D 1	CHARLESTOWN	03603	NH
12-18-0156	GOWEN, GORDON H.		ALSTEAD	03602	NH
12-18-0165	RUNNALS, GEORGE A.	R F D 2	WINDSOR	05089	VT
12-18-0168	READ, MR & MRS ALBERT	R F D 2	WINDSOR	05089	VT
12-18-0178	MERRELL, DANA		ALSTEAD	03602	NH
12-18-0197	SIMMONS, ROLAND T. & SON	R F D	CHARLESTOWN	03603	NH
12-18-0208	HIGH VIEW CHURCH FARM		EAST LEMPSTER	03606	NH
13-01-0022	FORD, JAMES R.	FORDHAVEN FARM RFD	NEW HAVEN	05472	VT
13-01-0115	FRYSLAN FARM	R F D 3 WM DEGRAAF	VERGENNES	05491	VT
13-01-0137	BLAKELY, DONALD	R F D I	ORWELL	05760	VT
13-01-0144	BARNES, EDWARD AND SONS	R D 1	VERGENNES	05491	VT
13-01-0149	MUNDY, ROBERT	R D 1	FERRISBURG	05456	VT
13-01-0202	AUDET, LEANORE		ORWELL	05760	VT
13-01-0203	AUDET, MAGLOIRE		ORWELL	05760	VT
13-01-0212	SCARELAND FARM		WHITING	05778	VT
13-01-0214	DUBOIS GEORGE & MADELEIN		SHOREHAM	05770	VT
13-01-0260	POCANTICO FARM		SHOREHAM	05770	VT
13-01-0261	MAC LAREN, MRS. ANNE	R D	BENSON	05731	VT
13-01-0272	CANDIDO, GEORGE	R F D 2	MIDDLEBURY	05753	VT
13-01-0274	MALZAC, G. & M.		SHOREHAM	05770	VT
13-01-0311	FOOTE, ARLYN W & W E SR	R D	MIDDLEBURY	05753	VT
13-01-0313	ROADS END FARM	R D	VERGENNES	05491	VT
13-01-0324	BROAD VIEW FARM	R D 2 BOX 124	BRISTOL	05443	VT
13-01-0331	BURNHAM, D. E. & SON		VERGENNES	05491	VT
13-01-0337	TELGEN, WILLIAM	R R	SHOREHAM	05770	VT
13-01-0340	FARNHAM + ORVIS		SHOREHAM	05770	VT
13-01-0347	SAUNDERS, LEE W.	R D 2	BRISTOL	05443	VT
13-01-0351	SAWYER, GERALD	R D 3	MIDDLEBURY	05753	VT
13-01-0355	PARTRIDGE BROTHERS	R F D	ORWELL	05760	VT
13-01-0366	KNEE-DEEP FARM	R D 1 WHITCOMB WM	VERGENNES	05491	VT
13-01-0368	MUNGER, ROGER & MAY		WHITING	05778	VT
13-01-0382	KAYHART, ROGER V.	R D 2 BOX 282	VERGENNES	05491	VT
13-01-0395	MILAWAY, M. & H. FARM	RFD2	MIDDLEBURY	05753	VT
13-01-0398	SAVAGE, ALBERT E.		ORWELL	05760	VT
13-01-0406	CLARK, ERWIN A.	R F D 1	VERGENNES	05491	VT
13-01-0407	EASTER, ROLAND	R F D 3	VERGENNES	05491	VT
13-01-0411	HOWLETT, THOMAS & DIANE	R F D	BRIDRORT	05734	VT
13-01-0412	HUESTIS, DANIEL		BRIDRORT	05734	VT
13-01-0417	PAYNE, E. B. AND R. G.	R F D	BRIDPORT	05734	VT
13-01-0418	RRATT, WILBUR		VERGENNES	05491	VT
13-01-0423	SMITH, GUY E. & SONS FM	R D 1	VERGENNES	05491	VT
13-01-0428	WOOD, ROLAND	RFD1	VERGENNES	05491	VT
13-01-0435	MCBRIDE,C.R. & J.W. HD1	R D 3	VERGENNES	05491	VT
13-01-0436	BODETTE, RAYMOND JR.	R F D 1	VERGENNES	05491	VT
13-01-0530	BOURGOIS, BROS.		VERGENNES	05491	VT
13-01-0534	PURINTON, ROBERT	STAR ROUTE	BRISTOL	05443	VT
13-01-0540	SISTERS, RAUL		FERRISBURG	05456	VT
13-01-0542	KITTREDGE,STERHEN C. HD.	KITTREDGE&SNSDAIRY	VERGENNES	05491	VT
13-01-0543	VERMONT STATE RRISON FAR	HERD 2	WINDSOR	05089	VT
13-01-0613	WRIGHT, DAVID	R 3	MIDDLEBURY	05753	VT
13-01-0620	SEVERY, JUDSON & DORIS	CORNWALL - RD 2	MIDDLEBURY	05753	VT
13-01-0628	QUARRY ROAD FARM	R D 3	MIDDLEBURY	05753	VT
13-01-0640	GALVIN, F. AND SONS		SALISBURY	05769	VT
13-01-0705	MARKWELL, RICHARD	R F D 2	BRISTOL	05443	VT
13-01-0728	NORRIS, VERNICE		BRISTOL	05443	VT
13-01-0734	MC KINLEY, JOHN R. JR.	R D 2	VERGENNES	05491	VT

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	. . . . ADDRESS OF OWNER . . . . STREET OR ROUTE	TOWN	ZIP-CODE	STATE
13-01-0808	LARRABEE, W. C. AND V. S		SHOREHAM	057[illegible]	VT
13-01-0816	SIMMONS FARM	ROLAND T SIMMONS	ORWELL	0576[illegible]	VT
13-01-0827	QUESNEL, VICTOR		WHITING	05778	VT
13-01-0907	DEERWOOD FARM	ROUTE 125	BRIDPORT	05734	VT
13-01-0914	HILTUNEN, ARNE & KATHLEE	R D 1	BRIDPORT	05734	VT
13-01-0920	TORREY, MERTON & STEVEN	R D 1	VERGENNES	05491	VT
13-02-0001	BEALS, HARRY JR.	R F D 1	POWNAL	05261	VT
13-02-0012	FAIRDALE FARM 2 INC.	WEST ROAD	BENNINGTON	05201	VT
13-02-0015	BRYANT, CLYDE JR.	HERD 1	MANCHESTER CENTER	05255	VT
13-02-0025	LEAKE, RICHARD 3RD	WOODFORD ROAD	BENNINGTON	05201	VT
13-02-0034	VAUGHN, MILLARD	R F D 1	ARLINGTON	05250	VT
13-02-0041	POLYMEADOWS FARM		SOUTH SHAFTSBURY	05262	VT
13-02-0071	KELLY, JOHN T.	R F D 1	EAGLE BRIDGE	12057	NY
13-02-0072	SMITH, ERNEST JR.	R F D 1	SALEM	12365	NY
13-02-0085	FAIRDALE FARM 1 INC	WEST ROAD	BENNINGTON	05201	VT
13-02-0089	SHADOWBROOK FARM	BOX 767	BENNINGTON	05201	VT
13-02-0099	ZECHER, I. STANFORD JR.	R F D	EAST DORSET	05253	VT
13-02-0105	STEELE, HENRY & JOHN		PAWLET	05761	VT
13-02-0119	SIMONDS, HARRY S.	R D 1	MANCHESTER DEPOT	05256	VT
13-03-0018	WILDER FARM		LYNDONVILLE	05851	VT
13-03-0027	BEAN, LEO	R R 1	SAINT JOHNSBURY	05819	VT
13-03-0053	SIMPSON, DONALD		SUTTON	05867	VT
13-03-0055	SIMPSON, BERNARD		SUTTON	05867	VT
13-03-0058	HALL, FOREST	BOX 19 R F D 1	GLOVER	05839	VT
13-03-0120	RICKER, GEO & PETERSON,		GROTON	05046	VT
13-03-0144	PECK, RONALD	BOX 36	DANVILLE	05828	VT
13-03-0169	SEYMOUR, GORDON H.	EVELON FARM	SUTTON	05867	VT
13-03-0211	WHITE, REGINALD		RYEGATE	05042	VT
13-03-0223	PEARL, MERWYN		BARNET	05821	VT
13-03-0305	DELARICHELIERE, M R & SO		EAST HARDWICK	05836	VT
13-03-0331	WARD, KENNETH E.	R F D	SAINT JOHNSBURY	05819	VT
13-03-0338	LANGMAID, HUGH	R F D 3	SAINT JOHNSBURY	05819	VT
13-04-0008	HEINS, JOHN C.	R F D 2	WILLISTON	05495	VT
13-04-0115	SHELBURNE FARMS		SHELBURNE	05482	VT
13-04-0119	VARNEY, HARRY	SNOWDRIFT LANE	CHARLOTTE	05445	VT
13-04-0145	BENNETT, ROGER AND DOUG	R F D	RICHMOND	05477	VT
13-04-0154	BERARD FARM 1	101 ETHAN ALLEN RD	SO. BURLINGTON	05401	VT
13-04-0173	BUSHEY, RANDALL FARM 2		ESSEX JUNCTION	05452	VT
13-04-0195	KALI YUGA FARM 2	R D 1	HINESBURG	05461	VT
13-04-0196	ONEILL, WARREN J.		SHELBURNE	05482	VT
13-04-0199	BUSHEY BROS. FARM 3		ESSEX JUNCTION	05452	VT
13-04-0203	BUSHEY BROTHERS FARM 1	R D 2	ESSEX JUNCTION	05452	VT
13-04-0204	CHAPMAN, MARVIN	R F D	WILLISTON	05495	VT
13-04-0208	FONTAINE, RAYMOND	R F D	WILLISTON	05495	VT
13-04-0216	VERCHEREAU, EDMOND	R F D	RICHMOND	05477	VT
13-04-0225	SWEENEY, R. L.	R F D	MILTON	05468	VT
13-04-0228	COLLINS, DR. FARM		COLCHESTER	05446	VT
13-04-0231	DEVINO, EARL	R F D 2	MILTON	05468	VT
13-04-0309	THOMPSON, ROLAND E.		COLCHESTER	05446	VT
13-04-0315	PACKARD, ARTHUR JR.	R F D 1	ESSEX JUNCTION	05452	VT
13-04-0420	DUESNEL, HERMAN	R F D	HUNTINGTON	05462	VT
13-04-0443	KALI YUGA FARM 1	R D 1	HINESBURG	05461	VT
13-04-0449	DIKE, HENRY		NORTH FERRISBURG	05473	VT
13-04-0501	VT AG EXP STA S. GIBSON	DAIRY BUILDING U V	BURLINGTON	054[illegible]1	VT
13-04-0503	VT AG EXP STA S. GIBSON	DAIRY BUILDING U V	BURLINGTON	[illegible]1	VT
13-04-0504	VT AG EXP STA S. GIBSON	DAIRY BUILDING U V	BURLINGTON	[illegible]	VT
13-06-0109	GUAY, BERNARD	RD 3	SAINT ALBANS	0547[illegible]	VT
13-06-0111	HUBBARD, GEORGE F.	R D 1	SAINT ALBANS	05478	VT
13-06-0126	VALLEE, R. L.	R D 1	SAINT ALBANS	05478	VT
13-06-0127	VIENS, OLIVA	R D 1	SWANTON	05488	VT
13-06-0130	DUNSMORE, DR. MURRAY	R D 1	SWANTON	05488	VT
13-06-0216	SUNSET VIEW FARM	R. D. 2	ENOSBURG FALLS	05450	VT
13-06-0219	TULIP, DR. HENRY T.	R D 2	SAINT ALBANS	05478	VT
13-06-0314	HULL, WENDALL	R D 2	ENOSBURG FALLS	05450	VT
13-06-0386	HUBBARD, RALPH	R D 1	SAINT ALBANS	05478	VT
13-06-0399	CARPENTER, JOHN & BETTY	R D FARM 1	ENOSBURG FALLS	05450	VT
13-06-0455	SWEET, ERNEST & CATHERIN	R F D	EAST FAIRFIELD	05448	VT
13-06-0474	CARPENTER, JOHN & BETTY	RD FARM 2	ENOSBURG FALLS	05450	VT
13-06-0476	MAYOTTE, DAVID & BARBARA	R F D 2	EAST FAIRFIELD	05448	VT
13-06-0492	BEGNOCHE, GASTON		MONTGOMERY CENTER	05471	VT
13-06-0516	BROOKS, JOHN B. & SONS	R F D 1	SWANTON	05488	VT
13-06-0518	COUTURE, PAUL & RAYMONDE	R F D	ENOSBURG FALLS	05450	VT
13-06-0621	HAWLEY, BRIAN	R.D.1	SWANTON	05488	VT
13-08-0012	JONES, ROBERT	R D	HYDE PARK	05655	VT
13-08-0022	WARE, JOHN		STOWE	05672	VT
13-08-0040	KEITH BROTHERS		MORRISVILLE	0566[illegible]	VT
13-08-0051	HUNT, WILBUR & VICTOR		JEFFERSONVILLE	05464	VT
13-08-0053	TRASK, FREDERICK JR. HD1		CAMBRIDGE	05444	VT
13-08-0122	WHITAKER, HOWARD & ARDEL		HYDE PARK	05655	VT
13-08-0125	GATES, GORDON HERD 1		CAMBRIDGE	05444	VT
13-08-0143	CLARK, JOHN	R F D	MORRISVILLE	05661	VT
13-08-0146	MAXHAM, J. ALLEN	JAM HOLSTEIN FARM	JOHNSON	05656	VT
13-09-0003	BUTTON, ARTHUR		CHELSEA	05038	VT
13-09-0005	HOWE, CHARLIE J. & ALAN	HOWEACRES FARM	TUNBRIDGE	05077	VT
13-09-0007	HOWE, MARK A.		TUNBRIDGE	05077	VT

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	. . . . ADDRESS OF OWNER . . . . STREET OR ROUTE	TOWN	ZIP-CODE	STATE
13-09-0008	HOWE, SYLVESTER		TUNBRIDGE	05077	VT
13-09-0010	HUTCHINSON FARM		TUNBRIDGE	05077	VT
13-09-0013	TUCKER, ROBERT		TUNBRIDGE	05077	VT
13-09-0106	LEETE, O. AND S.		WELLS RIVER	05081	VT
13-09-0133	CARPENTER, CONRAD	R F D	RANDOLPH CENTER	05061	VT
13-09-0139	HODGDON, PERRY & CAROL	R F D	RANDOLPH	05060	VT
13-09-0140	GULICK, DONALD		ELY	05044	VT
13-09-0148	BROWN, FRANK H. JR.	R F D 1	BRADFORD	05033	VT
13-09-0162	APPLETON, K. W. AND SONS	FARM 2	BRADFORD	05033	VT
13-09-0167	SMITH, DONALD A.	R F D	RANDOLPH CENTER	05061	VT
13-09-0169	VERMONT TECH COLLEGE	HOLSTEIN HERD	RANDOLPH CENTER	05061	VT
13-09-0170	BLAISDELL, KENNETH JR.	R F D	RANDOLPH CENTER	05061	VT
13-09-0184	STEVER, MELVIN J.	R D 1	ELY	05044	VT
13-09-0191	DICKIE, KATHLEEN & LOGAN		HAVERHILL	03765	NH
13-09-0198	PALMER, WALTER G.	R F D	RANDOLPH	05060	VT
13-09-0201	AVERY, ALBERT S.		WEST TOPSHAM	05086	VT
13-09-0204	BURGESS FARM A&K BURGESS		BRADFORD	05033	VT
13-09-0208	GILMAN, DAVID		CHELSEA	05038	VT
13-09-0216	METCALF, BRYCE	R D 1	EAST CORINTH	05040	VT
13-09-0218	PETERS, FRANK		BRADFORD	05033	VT
13-09-0224	TYLER FARMS		WEST NEWBURY	05085	VT
13-09-0225	WHITE, D. AND J.		CORINTH	05039	VT
13-09-0245	CARLETON, DONALD	R F D	SOUTH RYEGATE	05069	VT
13-09-0248	PAGE, GERALD R.		WELLS RIVER	05081	VT
13-09-0251	DEVINS BROTHERS		BRADFORD	05033	VT
13-09-0252	SUNSET HILL FM2 DCSTEVEN	TERRACE ROAD R D 1	WELLS RIVER	05081	VT
13-09-0261	LEWIS, DELWIN & SON INC.		STRAFFORD	05072	VT
13-09-0264	CHURCHILL, RAY E.		BROOKFIELD	05036	VT
13-09-0305	GEORGE, GORDEN	R F D 1	ELY	05044	VT
13-09-0314	ROBINSON BROTHERS		SHARON	05065	VT
13-09-0322	HARKDALE FARM INC. AYR		NEWBURY	05051	VT
13-09-0324	DUNLOOKIN FARM	ARTHUR & BRUCE HYD	BRADFORD	05033	VT
13-09-0403	WHITCOMB, NEWTON		CHELSEA	05038	VT
13-09-0409	EDWARDS, A. & SONS		CHELSEA	05038	VT
13-09-0420	SLACK, CHARLES & PAULINE	RFD 2	RANDOLPH CENTER	05061	VT
13-09-0427	PINEVILLE FARM	R F D	RANDOLPH CENTER	05061	VT
13-09-0517	NEEDLES EYE FARM		TUNBRIDGE	05077	VT
13-09-0532	RUSSELL, S. F. AND P. C.		TUNBRIDGE	05077	VT
13-09-0538	ROBINSON, RALPH		STRAFFORD	05072	VT
13-09-0707	BLAISDELL, WARREN G.	R F D 2	RANDOLPH	05060	VT
13-09-0736	SPAULDING, J. H. & B. S.	R F D 1	SOUTH ROYALTON	05068	VT
13-09-0747	CAMP, LAWRENCE G.		EAST RANDOLPH	05041	VT
13-09-0802	CHURCHILL, ROBERT	R F D	BROOKFIELD	05036	VT
13-09-0808	FLIN-DALL RANCH	RFD1	RANDOLPH	05060	VT
13-09-0817	DROWN, ARTHUR		WASHINGTON	05675	VT
13-10-0004	DURGIN, HARRY F.	SUNSET DRIVE R F D	WEST CHARLESTON	05872	VT
13-10-0009	JORDAN, JAMES & NANCY		MORGAN CENTER	05854	VT
13-10-0026	BEFORE, MAURICE T.	AGAWAM FARM RT 2	NEWPORT	05855	VT
13-10-0027	PETIT, EDMOND	R D 2	NEWPORT	05855	VT
13-10-0035	CHAMBERLIN, RUPERT	R F D	BARTON	05822	VT
13-10-0036	DUNBAR, HERBERT & SON		CRAFTSBURY	05826	VT
13-10-0040	POULIN, GASTON		NORTH TROY	05859	VT
13-10-0043	ELLIOTT, BRYCE & JAN	R D	BARTON	05822	VT
13-10-0049	NELSON, DOUGLAS		DERBY LINE	05830	VT
13-10-0307	MAXWELL, MAURICE & LOIS	R D 1	NEWPORT	05855	VT
13-10-0321	PETIT, ROBERT	R D 2	NEWPORT	05855	VT
13-10-0323	PERRY, LEON	R F D	ORLEANS	05860	VT
13-10-0335	ROBILLARD, JOSEPH & MARI	DERBYVIEW FARM R D	NEWPORT	05855	VT
13-10-0341	BLY, EDWARD & THELMA		EAST CHARLESTON	05833	VT
13-10-0350	LEBLANC, RAYMOND&SUZANNE	BURTON HILL FARM	BARTON	05822	VT
13-10-0351	MAXWELL, DALE	R D 1	BARTON	05822	VT
13-10-0372	LEBLANC, GABRIEL & JEANN		BARTON	05822	VT
13-10-0404	LUMSDEN, LEE		HARDWICK	05843	VT
13-10-0416	LAMARCHE, CLAUDE & CARME		IRASBURG	05845	VT
13-10-0417	LUMSDEN, LAWRENCE	R D	GREENSBORO BEND	05842	VT
13-10-0446	SPATES, FRANK&JEANNETTE	R.D. 2 BEEBE PLAIN	NEWPORT	05820	VT
13-10-0450	ROYER, ANDREW		NEWPORT CENTER	05857	VT
13-10-0466	RODGERS, JOHN & SON	RODGERS FARM R F D	WEST GLOVER	05875	VT
13-11-0101	RYAN, PETER	SUNNING HILL FARM	RUTLAND	05700	VT
13-11-0116	MILLS, ALBERT D.		FLORENCE	05744	VT
13-11-0120	THOMAS, ORIN A. & SONS	ROUTE 1	RUTLAND	05701	VT
13-11-0121	WEEKS, WM. A.	SKYWAY FARM	NORTH CLARENDON	05759	VT
13-11-0132	KIMBALL, DEXTER	OLD TOWN FRM RD RD	BRANDON	05733	VT
13-11-0203	DAVENPORT, JAMES & SON	R F D	WALLINGFORD	05773	VT
13-11-0217	STAFFORD, FRANK&VIRGINIA	R F D	WALLINGFORD	05773	VT
13-11-0231	DICKINSON, DAVID		CENTER RUTLAND	05736	VT
13-11-0255	CLARK, LAWRENCE D.		WEST PAWLET	05775	VT
13-11-0311	LEACH, WILLIAM		PAWLET	05761	VT
13-11-0317	PARKER, ELUID		SOUTH GRANVILLE	12832	NY
13-11-0320	DODDS, RICHARD		WEST RUTLAND	05777	VT
13-11-0324	PARKER, ELON		GRANVILLE	12832	NY
13-11-0351	BY ROX FARM	R D 1	RUTLAND	05701	VT
13-11-0357	CRESSY, CLIFTON & D.R.	R D 1	FLORENCE	05744	VT
13-11-0402	BUXTON, HENRY		MIDDLETOWN SPRING	05757	VT
13-11-0406	PURPLE DELL FARM	RFD1 ATT L. MASHAK	HAMPTON	12837	NY

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP-CODE	STATE
		. . . . A D D R E S S	O F O W N E R		
13-11-0411	LADD, BERT	W RUTLAND R D 1	IRA	05777	VT
13-11-0424	LEWIS, A. C. & EDWARD A.	TIDY HILL FARM R F	POULTNEY	05764	VT
13-11-0429	AYERS, EDSON	R F D	WHITEHALL	12887	NY
13-11-0438	MCGANN, ROY	RD 1	POULTNEY	05764	VT
13-11-0467	SMOKEY HOUSE FARM	BOX 238	DANBY	05739	VT
13-11-0504	KING, KENYON		BENSON	05731	VT
13-12-0007	GOVE, ROBERT	P.O. BOX 565	MORETOWN	05660	VT
13-12-0013	MAYNARD, EVERETT C.	R F D 1	MORETOWN	05660	VT
13-12-0014	NEILL, ELWIN A.	ROUTE 1	MORETOWN	05660	VT
13-12-0026	CHURCHILL, PERCY &PAULIN		CABOT	05647	VT
13-12-0036	SMITH, EDWIN		CABOT	05647	VT
13-12-0085	ABBOTT, KNIGHT & RUTH	BOX 22	CABOT	05647	VT
13-12-0108	DODGE, GEORGE	R F D 3	BARRE	05641	VT
13-12-0110	FARNHAM, CARROLL		PLAINFIELD	05667	VT
13-12-0114	MOLLY BROOK FARMS		WEST DANVILLE	05873	VT
13-12-0115	GOULD, DICK, MARGARET&ED		MARSHFIELD	05658	VT
13-12-0172	BOUTIN, ARMAND	R F D 1	WILLIAMSTOWN	05679	VT
13-12-0174	WHITE, NELSON & VELMA		WEST DANVILLE	05873	VT
13-12-0181	HALL, JOHN & DONNA	R F D	EAST MONTPELIER	05651	VT
13-12-0188	NEDDO BROTHERS	EAST HILL	BARRE	05641	VT
13-12-0191	CLEAVES, AUSTIN	R D	EAST MONTPELIER	05651	VT
13-12-0195	SMITH, CARY & SANDRA	R D 1	EAST MONTPELIER	05651	VT
13-12-0227	SCRIBNER, STANLEY	R D 3	MONTPELIER	05602	VT
13-12-0244	BROCK, JOHN W.	R F D 3	MONTPELIER	05602	VT
13-12-0254	MAC-NOBLE FARMS INC.		EAST MONTPELIER	05651	VT
13-12-0255	LAMBERT, RICHARD J.		GRANITVILLE	05654	VT
13-12-0259	GODIN, JEAN	R F D 1	PLAINFIELD	05667	VT
13-12-0266	BANCROFT, ROBERT L.	R F D 1	EAST MONTPELIER	05651	VT
13-12-0268	BOOTH, GORDON	R F D 3	BARRE	05641	VT
13-12-0337	BOUCHARD, PAUL & LOUISE	R F D	PLAINFIELD	05667	VT
13-13-0015	MILLER, P.E. & J. M.		VERNON	05354	VT
13-13-0018	PUTNEY SCHOOL, INC.	LAURENCE TITUS MGR	PUTNEY	05346	VT
13-13-0019	RANNEY, GEORGE	R F D	PUTNEY	05346	VT
13-13-0061	RANNEY, ISABELLE S.	R F D	PUTNEY	05346	VT
13-13-0107	DUNKLEE, ALFRED A.		VERNON	05354	VT
13-13-0145	SUMNER, HOMER		WEST HALIFAX	05358	VT
13-13-0312	JANEWAY, EDWARD		SOUTH LONDONDERRY	05155	VT
13-14-0003	BISHOP FARM INC 1	R F D	SPRINGFIELD	05156	VT
13-14-0108	GILNOCKY FARM	ATT B.W. SMITH BX7	WINDSOR	05089	VT
13-14-0133	HUNT, JOHN		HARTLAND FOUR COR	05049	VT
13-14-0142	GREEN ACRES FARM 1	BOX 114	NORTH HARTLAND	05052	VT
13-14-0154	GERMAIN, LEONARD L	R F D	SPRINGFIELD	05156	VT
13-14-0158	HUNTLEY, T.L.&E.J.&SONS	R F D 2	SOUTH ROYALTON	05068	VT
13-14-0160	BIGELOW, DON	RFD 3	BETHEL	05032	VT
13-14-0166	DODGE, GEORGE M.	STAR ROUTE	SOUTH ROYALTON	05068	VT
13-14-0170	EDDY, STEPHEN H.	R F D 3 FARM NO. 1	BETHEL	05032	VT
13-14-0171	EDDY, DAVID & JEAN P.	R F D 1	BETHEL	05032	VT
13-14-0173	ADAMS BROTHERS	R D 1	CHESTER	05143	VT
13-14-0180	MOSMAN, D. F.	R F D	SPRINGFIELD	05156	VT
13-14-0195	KETCHUM, FRANCIS & ROBER		STOCKBRIDGE	05772	VT
13-14-0201	HARVEY BROS ATT R HARVEY		ROCHESTER	05767	VT
13-14-0202	BILLINGS FARM		WOODSTOCK	05091	VT
13-14-0205	CONKLIN, ALBERT E.	ROUTE 1 BOX 128	WOODSTOCK	05091	VT
13-14-0212	LEXINGTON FARM	ATT E H LOCKE	READING	05062	VT
13-14-0214	QUINN, FORREST	R F D	WOODSTOCK	05091	VT
13-14-0223	BISHOP FARM INC 3	R F D	SPRINGFIELD	05156	VT
13-14-0224	POWERS, F. RUSSELL	R F D	NORWICH	05055	VT
13-14-0226	GENDRON, RAY R.	R F D	ROCHESTER	05767	VT
13-14-0231	EDDY, STEPHEN H.	R F D 3 FARM NO. 2	BETHEL	05032	VT
13-14-0232	HUNSDON, VERNON A.	BOX 175A	PERKINSVILLE	05151	VT
13-14-0233	EASTMAN, HAROLD HD2	R F D	QUECHEE	05059	VT
13-14-0303	BALLA MACHREE FARM INC.	R F D 2	SOUTH ROYALTON	05068	VT
13-14-0316	LEWIS, ORA	R F D 2	WOODSTOCK	05091	VT
13-14-0322	RIKERT, JAMES	R F D 2	SOUTH ROYALTON	05068	VT
13-14-0329	MAPLEROW FARM		WHITE RIVER JUNCT	05001	VT
13-14-0416	MAXFIELD, M. B. AND SONS		NORTH HARTLAND	05052	VT
13-14-0513	SEVERY, MERL AND JOYCE		ROCHESTER	05767	VT
13-14-0524	MARTIN FARMS		ROCHESTER	05767	VT
14-10-0001	HALE BROTHERS	SUNSET FARM 2	TYRINGHAM	01264	MA
14-10-0002	WILDE, MR. & MRS. H. G.	HIGHLAWN FARM	LENOX	01240	MA
14-10-0008	PULPIT ROCK FARM	916 E. NEW LENOX R	PITTSFIELD	01200	MA
14-10-0011	CANOE, NELSON	FLINTSTONE FM NO.	DALTON	01226	MA
14-10-0013	MALNATI, DR. & MRS J. J.	1054 STATE ROAD	NORTH ADAMS	01247	MA
14-10-0026	WILCOX, WARREN HD 2	R F D	SHEFFIELD	1257	MA
14-10-0101	TRYON, RICHARD		MONTEREY	01245	MA
14-10-0126	HOWARD, WALTER	HOWARD FARM	TYRINGHAM	01264	MA
14-10-0133	MALNATI, ANTONIO J.		ASHLEY FALLS	01222	MA
14-10-0223	TOWNE, LELAND S.	STRATTON ROAD	WILLIAMSTOWN	01267	MA
14-10-0227	LEGEYT, EDWIN S.	RFD	SHEFFIELD	01257	MA
14-10-0230	LIMESTONE FARM	SSR	CANAAN	06018	CT
14-10-0235	CHAPIN, ROBERT A.		SHEFFIELD	01257	MA
14-10-0244	BANGS, FRED A.		ASHLEY FALLS	01222	MA
14-10-0246	DELLERT, DWIGHT		ASHLEY FALLS	01222	MA
14-10-0309	GALUSHA, DANIEL E.	GREEN RIVER ROAD	WILLIAMSTOWN	1267	MA
14-10-0311	RODDA, ARTHUR		HANCOCK	01237	MA

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	ADDRESS OF OWNER: STREET OR ROUTE	TOWN	ZIP-CODE	STATE
14-10-0313	ROTTI, SILVIO V.	270 FORT HILL AVE.	PITTSFIELD	01201	MA
14-10-0325	PHELPS, HARLEY	NEW ASHFORD	LANESBORO	01237	MA
14-10-0327	FLETCHERS JERSEY ACRES		CHESHIRE	01225	MA
14-10-0345	WIRTES, ROBERT	SILVER BIRCH FARM	LANESBORO	01237	MA
14-10-0351	BUCKLEY FARM	PO BOX 352 BAILEY	LANESBORO	01237	MA
14-10-0412	ARMSTRONG, ARTHUR	BOX 92	SEGREMONT	01258	MA
14-11-0150	HASTINGS, DALE E.	383 EAST RIVER ST	ORANGE	01364	MA
14-11-0164	PARSONS, RICHARD G.	R F D 2 BOX 171	NORTHFIELD	01360	MA
14-11-0168	HERZIG, DONALD W.	SHELBURNE FALLS RD	CONWAY	01341	MA
14-11-0174	SHEARER, ROBERT B. & SON	PINE MEADOW	NORTHFIELD	01360	MA
14-11-0177	YOUNGBLOOD FARM 1	OLD ALBANY RD.	GREENFIELD	01301	MA
14-11-0237	SCOTT, ROGER B. HD1	APPLE VALLEY ROAD	ASHFIELD	01330	MA
14-11-0239	FITZGERALD, WILLIAM R.		SOUTH ASHFIELD	01371	MA
14-11-0264	LILLY, KEN A & D WALLACE	HERD 1	ASHFIELD	01330	MA
14-11-0302	WRIGHT, JOHN AND SONS	LEYDEN ROAD	GREENFIELD	01301	MA
14-11-0320	MELLOW MEADOWS FARM	CROSS ST-A. MILLER	BERNARDSTON	01337	MA
14-11-0321	HERRON, D. MAPLE SHADE FM	LEYDEN STAGE RD	GREENFIELD	01301	MA
14-11-0324	WAUBAN FARM 1	WATSON ROAD R F D	ASHFIELD	01330	MA
14-12-0001	WENTWORTH, MRS. HAROLD T	SOUTH EAST STREET	AMHERST	01002	MA
14-12-0003	JACQUES, CHARLES&SNS HD1	575 SO. PLEASANT S	AMHERST	01002	MA
14-12-0009	COOK, GORDON	R F D 1	HADLEY	01035	MA
14-12-0064	COLE, RICHARD I.	FRANKLIN STREET	BELCHERTOWN	01007	MA
14-12-0069	HORTON, JACK HERD 2	R F D	CUMMINGTON	01026	MA
14-12-0070	TRACY, RICHARD	HERD 2	EASTHAMPTON	01027	MA
14-12-0102	FOWLES, ELWYN M.	SUNNYDELL FARM	SOUTHAMPTON	01073	MA
14-12-0105	SMITH SCHOOL		NORTHAMPTON	01060	MA
14-12-0129	JOYNER, ROBERT C.		CUMMINGTON	01026	MA
14-12-0201	KENTFIELD FARM & DAIRY	R D 2 HD 1	HADLEY	01035	MA
14-12-0202	WENTWORTH, FRED A.	STANLEY STREET	AMHERST	01002	MA
14-12-0207	BARSTOWS LONGVIEW FARM	R F D 1	HADLEY	01035	MA
14-12-0208	GUNN, WILLIAM	PLEASANT ST	SOUTHAMPTON	01073	MA
14-12-0217	LAVALLE, FRANCIS J., JR.	R R 1 BOX 591A HD	BELCHERTOWN	01007	MA
14-12-0321	WICKLAND, FRANCIS	BRYANT ST	CHESTERFIELD	01012	MA
14-12-0337	THATCHER, A. C. AND SON	CENTRAL ST	PLAINFIELD	01070	MA
14-12-0356	PARSONS, MAHLON K.	R F D	EAST HAMPTON	01027	MA
14-12-0359	WEST, OSBORNE C.	R F D	HADLEY	01035	MA
14-12-0402	HILTON, BERNARD UNIV.MAS	303 STOCKBRIDGE HA	AMHERST	01002	MA
14-12-0508	BURT AND SONS, INC	EAST ST	EASTHAMPTON	01027	MA
14-12-0511	HERRON, FRANK C.	UPLAND FARM 1	CUMMINGTON	01026	MA
14-13-0016	MALONEY, J. PINE GROVE	COLLEGE HIGHWAY	SOUTHWICK	01077	MA
14-13-0030	STEVENS, GEORGE W. JR.	POCHASSIC RD BOX 1	WESTFIELD	01035	MA
14-13-0035	WATERMAN, RICHARD	COLLEGE HIGHWAY	SOUTHWICK	01077	MA
14-13-0040	HALL, P. K. AND SON	SUNNYSIDE RD	SOUTHWICK	01077	MA
14-14-0010	ATLANTIC UNION COLLEGE	ATT RICHARD A FOLG	SOUTH LANCASTER	01561	MA
14-14-0025	DAVIS, JOHN A. AND SON		STERLING JUNCTION	01565	MA
14-14-0033	FERNALD, W. E. SCHOOL	TEMPLETON COLONY	BALDWINVILLE	01436	MA
14-14-0035	GARDNER STATE HOSPITAL	ATT D. G. NOWERS	EAST GARDNER	01440	MA
14-14-0038	GOODFIELD, CHESTER E. FM		HARDWICK	01037	MA
14-14-0039	GRAFTON STATE HOSPITAL	211 WESTBORO RD	NORTH GRAFTON	01536	MA
14-14-0041	HANSEN AND ROBERTS		GILBERTVILLE	01031	MA
14-14-0048	HOOK, CARL	140 GREEN ST	SHREWSBURY	01545	MA
14-14-0053	JORDAN, WARREN & WAYNE	MUSCHOPAUGE ROAD	RUTLAND	01543	MA
14-14-0054	KILINSDALE FARM	DOUGLAS ROAD	OXFORD	01540	MA
14-14-0056	KING, LEWIS E.	DREAMLAND FARM	NEW BRAINTREE	01531	MA
14-14-0066	MUDGETT, ARTHUR		STERLING JUNCTION	01565	MA
14-14-0075	PIERCE, ROBERT B.	1028 PLEASANT ST	PAXTON	01612	MA
14-14-0078	PROCTOR, D. L. AND SON		SPENCER	01562	MA
14-14-0081	PROUTY, H. S. AND A. C.	STAR ROUTE	GILBERTVILLE	01031	MA
14-14-0092	SURABIAN, HARRY	379 PROSPECT ST	WEST BOYLSTON	01583	MA
14-14-0099	WELLS, RUTH DYER	GAYVIL FARM	CHARLTON CITY	01508	MA
14-14-0102	WHITTIER FARMS INC 1	TOWN FARM ROAD	WEST SUTTON	01527	MA
14-14-0125	HARPER, DAVID	HARPERS DAIRY FARM	LEOMINSTER	01453	MA
14-14-0128	ADAMS, CLARENCE	NORTH WEST RD	SPENCER	01562	MA
14-14-0174	MASONIC HOME	ATT DONALD LAWYER	CHARLTON	01507	MA
14-14-0185	OAKLAWN FARM	BOX 15	SPENCER	01562	MA
14-14-0186	TOWN LINE DAIRY FARM	R F D WILLIAM ST	UPTON	01568	MA
14-14-0222	GOODFIELD, CHESTER E. FM		HARDWICK	01037	MA
14-14-0223	WHITTIER FARMS INC. 2	DOUGLASRD J WHITTI	WEST SUTTON	01527	MA
14-14-0224	COTTING, C.E. CHEDCO FM	ATT A.C. WARNER RT	BERLIN	01503	MA
14-14-0239	PILLSBURY, ROGER S. FM 2	HEYWOOD ROAD R F D	LEOMINSTER	01453	MA
14-14-0240	MASON, ORRIN W. JR.	R F D	JEFFERSON	01522	MA
14-14-0250	STILLMAN, C. E.	LANCASTER AVE	LUNENBURG	01462	MA
14-14-0257	BENNETT, HARRY JR.	R F D 1 BOX 38	NORTH BROOKFIELD	01535	MA
14-14-0261	WAYTINA, THEODORE		NORTH BROOKFIELD	01535	MA
14-14-0270	OAKHOLM FARM	LAKE ROAD	BROOKFIELD	01506	MA
14-14-0282	AHEARN, GEORGE F.	180 MARSHALL ST.	PAXTON	01612	MA
14-14-0291	PAQUIN, R. J. + SONS	ELMWOOD ROAD	LUNENBURG	01462	MA
14-14-0296	KIBBE, CORYDON W.	RAGGED HILL ROAD	WEST BROOKFIELD	01585	MA
14-14-0310	MEANS, BLANCHARD W. HERD	ELMHILL FARM	BROOKFIELD	01506	MA
14-14-0313	DEWEY, CARL T.	UPPER CHURCH STREE	GILBERTVILLE	01031	MA
14-14-0520	RYDER, FLOYD E. JR.	SOUTH RD	TEMPLETON	01468	MA
14-15-0003	MATTISON, E. A.	WILLIAMS RD	CONCORD	01742	MA
14-15-0015	EASTLEIGH FARMS	RD1 P.O. BRAGG SUP	FRAMINGHAM CENTER	01701	MA
14-15-0117	TWIN VALLEY FARM GUERNSE	BROOKLINE STREET	PEPPERELL	01463	MA
14-15-0121	SKYFIELD FARM GUERNSEY	ALLAN CROSLAND	GROTON	01450	MA

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	. . . . A D D R E S S O F O W N E R . . . . STREET OR ROUTE	TOWN	ZIP-CODE	STATE
14-15-0123	ROSSBACH, GEORGE AND SON	TURNPIKE ROAD	TOWNSEND	01469	MA
14-15-0133	PICKARD, WILLIAM L. HD 1	245 FOSTER STREET	LITTLETON	01460	MA
14-15-0136	STONYMEADE FARMS	JOHN CUMING BLDG.	CONCORD	01742	MA
14-15-0201	SMITH, FARNHAM W.	GREAT BROOK FARMS	CARLISLE	01741	MA
14-15-0203	TEWKSBURY HOSPITAL	ATTN. L. KARNER	TEWKSBURY	01876	MA
14-16-0002	ESSEX AGRIC.&TECH. INST.	ATT RICHARD BROWN	HATHORNE	01937	MA
14-16-0008	WHITE FARMS, INC.	ROWLEY BRIDGE ROAD	TOPSFIELD	01983	MA
14-16-0009	APPLETON FARMS		IPSWICH	01938	MA
14-16-0015	MEREDITH FARM	CROSS ST	TOPSFIELD	01983	MA
14-16-0021	SARGENT, ROBERT R.	BEAR HILL ROAD	MERRIMAC	01860	MA
14-16-0109	ROGERS, HAROLD B. FARM 1	133 NECK ROAD	WARD HILL	01830	MA
14-16-0130	ROGERS, HAROLD B. FARM 2	133 NECK ROAD	WARD HILL	01830	MA
14-16-0207	FOSTER, EARL	135 FOSTER STREET	NORTH ANDOVER	01845	MA
14-17-0028	WRENTHAM STATE SCHOOL	ATT GEORGE KENNEDY	WRENTHAM	02093	MA
14-17-0040	WHEELER, PHILLIPS W.	1489 WEST ST	WRENTHAM	02093	MA
14-17-0041	BRIGGS, ROBERT	38 WINTHROP STREET	WEST MEDWAY	02053	MA
14-18-0012	HOUGHTON, WILLIAM A.	R F D	NORTON	02766	MA
14-18-0117	NYSTROM, ART	588 VERNON STREET	BRIDGEWATER	02324	MA
14-18-0120	ROBERY, GILBERT P.	123 NORTH ELM ST	WEST BRIDGEWATER	02379	MA
14-18-0213	GREAT HILL TRUST	GREAT HILL FARM	MARION	02738	MA
14-18-0251	CUMBERLAND FARMS 1	CURVE STREET	BRIDGEWATER	02324	MA
14-19-0015	FLINT, BENJ W.	832 EAST STREET	MANSFIELD	02048	MA
14-19-0017	BLISS FARM	711 PARK ST	ATTLEBORO	02703	MA
14-19-0041	CHACE, WARREN R.	BARNEY AVE	SEEKONK	02771	MA
14-19-0115	EVANS, ARTHUR W. JR.	ELLIS ROAD	NORTH ATTLEBORO	02760	MA
14-19-0155	SOUZA, R. M. & M. H.	771 DIVISION ROAD	SOUTH WESTPORT	02790	MA
14-19-0175	HILL, DR. JOSEPH F. JR.	HORSENECK ROAD	DARTMOUTH	02714	MA
14-20-0002	ROBERTIS DAIRY FARM	BOX 16	SANDWICH	02563	MA
15-11-0115	MACDONALD, STUART K.	R F D 1	SLOCUM	02877	RI
15-11-0116	COTTRELL HOMESTEAD	OLIVER COTTRELL	WEST KINGSTON	02892	RI
15-11-0118	GUERNSEY ACRES	ATT ALBREY TEFFT	HOPE VALLEY	02832	RI
15-11-0124	MAPLE LAKE FARM		KENYON	02836	RI
15-11-0128	KENYON, HENRY AND SONS		WYOMING	02898	RI
15-11-0131	HOYLE, G. THOMAS		WEST KINGSTON	02892	RI
15-11-0134	UNIVERSITY RHODE ISLAND	AN & DRY HUS DEPT	KINGSTON	02881	RI
15-11-0143	PANCIERA BROTHERS	ALTON ROAD	BRADFORD	02808	RI
15-11-0152	UNIVERSITY RHODE ISLAND	AN & DRY HUSB DEPT	KINGSTON	02881	RI
15-11-0153	CLARK, GEORGE P & VERA J	HORSESHOE FALLS FM	SHANNOCK	02875	RI
15-11-0158	PANCIERA, CHARLES E.	DUNNS CORNERS RFD	WESTERLY	02891	RI
15-13-0113	R. I. DEPT. OF WELFARE	INST FARM OFFICE	HOWARD	02834	RI
15-13-0121	HILLSIDE FARMS INC.	1308 PHENIX AVE	CRANSTON 10	02910	RI
15-14-0116	KESSON, J. S. AND SON	1903 WEST MAIN RD	MIDDLETOWN	02843	RI
15-14-0143	LEBREUX, LUCIEN	1057 CRANDALL RD	TIVERTON	02878	RI
15-14-0145	VAUCLUSE FARM	P O BOX 534	NEWPORT	02840	RI
16-02-0002	CASTLE HILL FARM	SUGAR LANE	NEWTOWN	06470	CT
16-02-0003	WALT,S DAIRY	53 MAPLE AVE.	SHELTON	06484	CT
16-02-0020	GREEN OAKS FARM	RICHARD C ROCKWELL	NEWTOWN	06470	CT
16-02-0218	LUFKIN, DAN W	POVERTY HOLLOW FAR	NEWTOWN	06470	CT
16-02-0260	MOREAU, M. OLD HUNDRED F	HUNDRED ACRE ROAD	NEWTOWN	06310	CT
16-04-0002	OSBORN PRISON FARM	BOX G	HAZARDVILLE	06036	CT
16-04-0003	MERRITT, RICHARD H.	TOWN FARM RD	FARMINGTON	06032	CT
16-04-0013	KRISTOFF BROTHERS	183 BAILEY ST	GLASTONBURY	06033	CT
16-04-0015	MINNECHAUG FARM	2992 HEBRON AVENUE	GLASTONBURY	06033	CT
16-04-0023	SHELDON MEL FARM	SHELDON STREET	EAST GRANBY	06026	CT
16-04-0060	HILLCREST FARM HOLSTEIN	68 DEMING AVENUE	NEWINGTON	06111	CT
16-04-0111	THRALL, OLIVER J. INC.	145 THRALL ROAD	WINDSOR	06095	CT
16-04-0112	NIELSEN, CHRIS AND SONS	1312 HALL BLVD	BLOOMFIELD	06002	CT
16-04-0133	CROUSS, LESLIE NELSON JR	BOX 261	BLOOMFIELD	06002	CT
16-04-0212	THRALL, H. C. AND SONS	DAY HILL RD	WINDSOR	06095	CT
16-04-0222	STROH, CHARLES	HILLTOP FARM	SUFFIELD	06078	CT
16-04-0224	MILLER, FRED	SHELDON ST	WEST SUFFIELD	06093	CT
16-04-0230	NIELSEN, E. HOWARD	182 WOODLAND AVE	BLOOMFIELD	06002	CT
16-04-0235	PETERSEN, A. C. FMS 3,IN	61 TERRY PLAIN ROA	BLOOMFIELD	06002	CT
16-04-0314	MUNSON, NORM AND DON	782 KENSINGTON RD	KENSINGTON	06037	CT
16-04-0403	COULTER BROTHERS	TAINTOR HILL	SUFFIELD	06078	CT
16-04-0404	COLTON, WILLIAM H.	NORTH GRANBY ROAD	GRANBY	06035	CT
16-04-0411	COLLINS POWDER HILL FARM	POWDER HILL RD	ENFIELD	06082	CT
16-06-0020	CARLSON, DOUGLAS J.	CARLWOOD FARM RFD	CANAAN	06018	CT
16-06-0026	SLATE, REGINALD W.	R F D 2	LITCHFIELD	06759	CT
16-06-0029	DEEP LAKE FARM		LAKEVILLE	06039	CT
16-06-0030	DELAY, HENRY AND SON	FAIRVIEW FARM	HARWINTON	06790	CT
16-06-0031	DUDLEY, GEORGE C.		LITCHFIELD	06759	CT
16-06-0034	EVARTS, KATHARINE A.		KENT	06757	CT
16-06-0036	FALCON FLIGHT FM	BEACH ST A&C CHENF	LITCHFIELD	06759	CT
16-06-0037	FINCH, ERNEST	RIDGEMOOR FARM	ROXBURY	.6783	CT
16-06-0048	GIULIAN, ALBERT	BONEY HILL RD	CANAAN	06018	CT
16-06-0050	GOLDEN HARVEST FARM	GUERNSEY	BRIDGEWATER	06752	CT
16-06-0064	HOPKINS, WILLIAM	THE SACHEM FARM	NEW PRESTON	06777	CT
16-06-0067	HURLBUT FARM	R F D 3	WINSTED	06098	CT
16-06-0077	LEE, ABEL		LAKEVILLE	06039	CT
16-06-0084	MORGAN FARM	ELLSWORTH	SHARON	06069	CT
16-06-0096	PLUMB, FRED		LITCHFIELD	06759	CT
16-06-0098	POTTER, F. ARTHUR	TAMARACK FARM	WASHINGTON	06793	CT
16-06-0105	RIPLEY, LOUIS R. H01	ATT FARM MANAGER R	LITCHFIELD	06759	CT
16-06-0115	BRISCOE, JOHN D.	SILENT MEADOW FARM	LAKEVILLE	06039	CT

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	ADDRESS OF OWNER STREET OR ROUTE	TOWN	ZIP-CODE	STATE
16-06-0122	SPENCER, W. W.	R F D 1	WATERTOWN	06795	CT
16-06-0125	STEVENS, LAWRENCE	R F D 1	WEST CORNWALL	06796	CT
16-06-0127	SULLIVAN, GEORGE JR.	139 PARK LANE	NEW MILFORD	06776	CT
16-06-0128	PRATT, GEORGE D. JR.	SUNNY VALLEY FARM	NEW MILFORD	06776	CT
16-06-0130	TANNER, LEWIS	NUTMEG ACRES FARM	NEW PRESTON	06777	CT
16-06-0136	TOLL GATE FARMS	CHESNUT HILL	LITCHFIELD	06759	CT
16-06-0137	TOPLANDS FARM	RFD P.MACDONALD,MG	ROXBURY	06783	CT
16-06-0142	VAILL, DONALD	BOX 62	GOSHEN	06756	CT
16-06-0145	WEBSTER, ARTHUR	R D BOX 217	LITCHFIELD	06759	CT
16-06-0152	WHITE AYR FARMS	R & E WHITEHEAD RF	WASHINGTON DEPOT	06794	CT
16-06-0154	WILBER,GEORGE-BROWN SWIS	R F D 1	WINSTED	06098	CT
16-06-0159	ZINKE, NORBERT	BAWANA FARM	CANAAN	06018	CT
16-06-0162	GOLD, T. S.-CREAM HILL F	R F D 1	WEST CORNWALL	06796	CT
16-06-0166	WELLS, GEORGE & SONS INC	WELLSVIEW AVENUE	NEW MILFORD	06776	CT
16-06-0178	KELLEY, JOHN R. FM 1	121 PICKETT DIST R	NEW MILFORD	06776	CT
16-06-0184	SWENDSEN, SAMUEL JR.	R F D	BETHLEHEM	06751	CT
16-06-0199	KENT SCHOOL	ATT EDWARD AMMERMA	KENT	06757	CT
16-06-0201	ATWOOD, GROVER C.	BELDEN ROAD	FALLS VILLAGE	06031	CT
16-06-0204	FOLEY, THOMAS AND SONS	BOX 633	CANAAN	06018	CT
16-06-0208	GRASSLAND FARM	HAMMERTOWN ROAD	SALISBURY	06068	CT
16-06-0225	LORENZO, OTTAVIO	TOWN HILL ROAD	LAKEVILLE	06039	CT
16-06-0236	HARRIS, GEORGE	R D 3 BROWN SWISS	NEW MILFORD	06776	CT
16-06-0244	JACQUIER, ROBERT	R F D	EAST CANAAN	06024	CT
16-06-0247	REIMER, CHARLES R.	R F D 3	NEW MILFORD	06776	CT
16-06-0249	WEINGART, CHARLES L.	R F D 3	HARWINTON	06790	CT
16-06-0269	THORN, MARSHALL	IVES ROAD	LITCHFIELD	06759	CT
16-06-0277	CANFIELD FARM	BEEBE HILL ROAD	FALLS VILLAGE	06031	CT
16-06-0319	HURLBURT, ALLYN H JR	HAUTBOY HILL RD	FALLS VILLAGE	06031	CT
16-06-0340	TABER, PAUL & LINDSEY	REBAT FARM RT 109	MORRIS	06763	CT
16-06-0345	WENTWORTH, HOWARD AND SN	FARM 2	EAST CANNAN	06024	CT
16-06-0348	EIPPER, R. J. & R. C.	BOX 91	ROXBURY	06783	CT
16-06-0357	MONTGOMERY, RUSSELL	BACON ROAD HERD 1	ROXBURY	06783	CT
16-06-0364	CY-BON FARM	LITCHFIELD ROAD	MORRIS	06763	CT
16-06-0365	MONTGOMERY, RUSSELL	BACON ROAD HERD 2	ROXBURY	06783	CT
16-06-0369	SUNSET FARM	ARTILLERY RD	WATERTOWN	06795	CT
16-06-0372	TAYLOR, WILLIAM M.	LITCHFIELD ROAD	NORFOLK	06058	CT
16-06-0375	WILBER, GEORGE-HOLSTEIN	R F D 1	WINSTED	06098	CT
16-06-0387	CUNNINGHAM, BRIGGS 3RD	RFD 1	SOUTH KENT	06785	CT
16-06-0389	GILLETTE, ROBERT HD1	SILENT MEADOW FARM	LAKEVILLE	06039	CT
16-06-0396	WILLIAMS, DANIEL	CARMEL HILL RD	WOODBURY	06798	CT
16-10-0014	BROCKETT, DICK AND TED	ARROWDALE RD	NORTH HAVEN	06473	CT
16-10-0027	WILMOT BROTHERS HD 1	GUNNTOWN ROAD	NAUGATUCK	06770	CT
16-10-0029	SCHREIBER, DAVID T.	QUAKER FARMS RD	OXFORD	06483	CT
16-10-0032	SOUTHBURY TRAINING SCHOO	ATT EDWARD HVEEM	SOUTHBURY	06488	CT
16-10-0039	MITCHELL, R. KIMBERLY	RIVER RD.	SOUTHBURY	06488	CT
16-10-0041	LARKIN, HOWARD T.	SOUTH ST	MIDDLEBURY	06762	CT
16-10-0045	GREENBACKER, C.&SNS. FM1	743 MURDOCK AVENUE	MERIDEN	06450	CT
16-10-0048	TOMLINSON, W. P. AND SON	WOODHOUSE AVE	WALLINGFORD	06492	CT
16-10-0053	MASONIC HOME FOUNDATION	MASONIC AVENUE	WALLINGFORD	06492	CT
16-10-0087	JENSEN BROTHERS	QUAKER FARMS ROAD	OXFORD	06483	CT
16-10-0091	FARNAM, GEORGE B.	1283 WHIRLWIND HIL	WALLINGFORD	06492	CT
16-10-0120	COAG FARM	NORTHFORD RD	WALLINGFORD	06492	CT
16-10-0123	GEHRKE, HAROLD C.	178 GREIB ROAD	WALLINGFORD	06492	CT
16-10-0141	GREEN HILL FARM	MOSHER RD BX 102 R	SCIPIO CENTER	13147	NY
16-12-0006	BROWN, J. FRANKLIN	WYCHWOOD FARM	STONINGTON	06378	CT
16-12-0010	BROCK, E LEROY & SON FM	RIDGE ROAD	MIDDLETOWN	06457	CT
16-12-0011	MOOHILL DAIRY FARM	MCDONALD RD.	COLCHESTER	06415	CT
16-12-0017	GADBOIS, GEORGE O.	R F D 4	COLCHESTER	06415	CT
16-12-0020	GASPARINO, ALDO	R F D 1	NORWICH	06360	CT
16-12-0025	KALLMAN, HERBERT	R F D 1	JEWETT CITY	06351	CT
16-12-0027	KRAUSE, HAROLD	R F D 1	WILLIMANTIC	06226	CT
16-12-0033	MANNING, OLIVER HD 1	HOLSTEIN	LEBANON	06249	CT
16-12-0034	MT.HIGBY DAIRYFM, F.KOSK	HIGBY ROAD	MIDDLETOWN	06457	CT
16-12-0037	PIONEER FARM	ATT E L MARSH	OLD LYME	06371	CT
16-12-0041	NORMAN, GEORGE E.	NORMAN RD. GUERNSE	JEWETT CITY	06351	CT
16-12-0042	PALMER, CHARLES	R F D 2	LISBON	06351	CT
16-12-0046	WIMLER, R & I	GUILFORD ROAD	DURHAM	06422	CT
16-12-0079	BLUESLOPE FARM	ATT E STAEBNER	LEBANON	06249	CT
16-12-0080	NELSON, CONRAD	R F D 1	UNCASVILLE	06382	CT
16-12-0083	GOOD BROS.	R F D 3	NORWICH	06360	CT
16-12-0101	CUSHMAN, N. AND SON		LEBANON	06249	CT
16-12-0129	RAYDONGED FARM	BOX 972	NEW LONDON	06301	CT
16-12-0130	POLINSKY FARMS	R F D 1	JEWETT CITY	06351	CT
16-12-0132	COX, R. GLENN	RFD 1 WNORG WALLS	NORWICH	06360	CT
16-12-0134	STEBNER FARM	COOK HILL RD	LEBANON	06249	CT
16-12-0135	WOLF, RICHARD	R F D 1	LEBANON	06249	CT
16-12-0138	RODDE, R.L.&D.J. HERD 1	R F D 1	JEWETT CITY	06351	CT
16-12-0148	WEINGART, H. AND SONS	R F D 1	LEBANON	06249	CT
16-12-0155	BARNES DAIRY	DON L BARNES RFD 3	NORWICH	06360	CT
16-12-0164	DUBICKI, KENNETH	R F D 2	NORWICH	06360	CT
16-12-0168	BECKWITH BROTHERS		NORTH FRANKLIN	06254	CT
16-12-0169	DE BARI, JERRY	STRICKLAND STREET	PORTLAND	06480	CT
16-12-0170	OSGA, JOHN J. JR.	R F D 3	NORWICH	06360	CT
16-12-0172	TARRYK BROTHERS	RFD 4 LONELY ASH F	NORWICH	06360	CT
16-12-0191	STOREY, GEORGE	YAWBUX VALLEY	NORTH STONINGTON	06359	CT

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	. . . . A D D R E S S O F O W N E R . . . . STREET OR ROUTE	TOWN	ZIP-CODE	STATE
16-12-0210	MANNING, OLIVER HD 2	BROWN SWISS	LEBANON	06249	CT
16-14-0003	NIEMANN, KENNETH	RURAL ROUTE 1	ELLINGTON	06029	CT
16-14-0014	BAHLER FARMS INCORPORATE	R D 1	ELLINGTON	06029	CT
16-14-0017	KAMINSKI, L. AND T.	BELLEVUE AVE	ROCKVILLE	06066	CT
16-14-0020	LUGINBUHL, EDWARD	R F D 1	ELLINGTON	06029	CT
16-14-0022	PEASE, HORACE	9TH DEST RD	SOMERS	06071	CT
16-14-0037	SZEGDA, JOSEPH		COLUMBIA	06237	CT
16-14-0038	KAPLAN, MORRIS		COLUMBIA	06237	CT
16-14-0041	SPRING MANOR FARM	UNIV OF CONN, BOX	MANSFIELD DEPOT	06251	CT
16-14-0046	ELLIS, KENNETH & SON	MAPLELEAF E FM RFD	HEBRON	06248	CT
16-14-0060	ELM KNOLL FARMS HERD2	R D 2	SOMERS	06071	CT
16-14-0063	CHASE, FRANK	ELLINGTON RD	SOMERS	06071	CT
16-14-0091	WINDSWAY FARM	BOX 376 R D 2	COVENTRY	06238	CT
16-14-0100	GIGLIO BROS	R F D 2 BOX 183	BOLTON	06040	CT
16-14-0108	MARTIN, RUSSELL W.	P. O. BOX 144 FARM	WILLIMANTIC	06226	CT
16-14-0109	SZEGDA, RONALD		COLUMBIA	06237	CT
16-14-0113	UNIV OF CONN. W S GAUNYA	DEPT. OF ANIMAL IN	STORRS	06268	CT
16-14-0114	UNIV OF CONN. W S GAUNYA	DEPT. OF ANIMAL IN	STORRS	06268	CT
16-14-0118	HECKLER BROTHERS	BREWSTR ST BX245 R	COVENTRY	06238	CT
16-14-0120	HOFFMAN, DONALD	JOB'S HILL ROAD	ELLINGTON	06029	CT
16-14-0127	ABERLE FARMS	R D 1	ELLINGTON	06029	CT
16-14-0130	SAGLIO, RONALD	R F D 1	HEBRON	06248	CT
16-16-0002	BARRETT, GEORGE	R F D 2	WOODSTOCK	06281	CT
16-16-0060	ANDRUS, KAYE		MANSFIELD CENTER	06250	CT
16-16-0071	STONE BROTHERS	R F D	HAMPTON	06247	CT
16-16-0076	WEED, R. M.	R F D 2	WOODSTOCK	06281	CT
16-16-0078	FRANZMANN, PAUL	R F D 1 MASON ROAD	BROOKLYN	06234	CT
16-16-0121	STAN WAL FARM	R D 1 GENDRON ROAD	MOOSUP	06354	CT
16-16-0123	TYLER BROTHERS	R F D 1 HERD 1	CANTERBURY	06331	CT
16-16-0124	BURROUGHS BROTHERS	BARSTOW RD	CANTERBURY	06331	CT
16-16-0137	FAIR VUE FARM	STAR ROUTE	SOUTH WOODSTOCK	06267	CT
16-16-0146	WAY, BURTON L	P.O. BOX 139	ONECO	06373	CT
16-16-0155	KNOWLTON, THOMAS	KNOWLTON ROAD RFD	STORRS	06268	CT
16-16-0160	TYLER BROTHERS	R D 1 HERD 2	CANTERBURY	06331	CT
16-16-0161	TYLER BROTHERS	R D 1 HERD 3	CANTERBURY	06331	CT
16-16-0180	STEARNS, LUTHER	RFD 2 HILLYLAND FA	WILLIMANTIC	06226	CT
21-01-0062	STEVENS, MARK W.	1000 DELAWARE AVE	ALBANY	12200	NY
21-01-0073	PUTNAM, FLOYD & EDWARD	FLD LINE FMS R D 1	DUANESBURG	12056	NY
21-01-0253	COOKE, LAWRENCE FM 1	R D 1	OAK HILL	12460	NY
21-01-0410	MILLER, CHESTER A.	HELDERIDGE LONGACR	BERNE	12023	NY
21-01-0607	MILLER, HUBERT & SONS	COLE HILL FARMS	EAST BERNE	12059	NY
21-01-0879	LAGRANGE, J. E. AND SONS		FEURA BUSH	12067	NY
21-01-0928	HEATH, WILLIAM AND SONS		GLENMONT	12077	NY
21-02-0033	MARLON FARMS	R D 3 C. HABBERFIE	WELLSVILLE	14895	NY
21-02-0077	KNIBLOE, KEITH M.	F D 2	FILLMORE	14735	NY
21-02-0116	SMITH, OTIS	RFD 3	CUBA	14727	NY
21-02-0129	DUNLAP, ALTON	R F D 3	CUBA	14727	NY
21-02-0144	DOTY, FRANCIS		REXVILLE	14877	NY
21-02-0178	BRUBAKER, WILBUR		WHITESVILLE	14897	NY
21-02-0202	LAMPHIER, HARLEY & SONS	R D 1	WELLSVILLE	14895	NY
21-02-0219	DOTY, RAYMOND C.	DBL ROAD	PORTVILLE	14770	NY
21-02-0247	FURNISS, WILLIAM W.	R D 1	HOUGHTON	14744	NY
21-02-0249	EHRLICH, ROBERT	RD2 RED TOP FARM	BELMONT	14813	NY
21-02-0253	WATERS, LEWIS		WHITESVILLE	14897	NY
21-02-0261	SUBJECT, RUSSELL J.	R F D 2	CUBA	14727	NY
21-02-0322	WILLIAMS, ARTHUR	RD 1	HOUGHTON	14744	NY
21-02-0380	SUBJECT, ALBERT	R F D 2 RUS-MAR FM	CUBA	14727	NY
21-02-0423	HOUGHTON COLLEGE FARM	R F D	HOUGHTON	14744	NY
21-02-0605	STATE UNIV AG & TECH COL	FARM DEPT	ALFRED	14802	NY
21-02-0965	SNIDER, CEYLON R.	R F D	FILLMORE	14735	NY
21-03-0035	QUICK, RAYMOND	R D 6	BINGHAMTON	13900	NY
21-03-0061	WINSOR ACRES	R D 2	HARPURSVILLE	13787	NY
21-03-0073	VANSLYKE, LEE	R D 3	WINDSOR	13865	NY
21-03-0126	DEW-DEC FARM INC.	R D 3	WINDSOR	13865	NY
21-03-0147	GLEN-MAR FARM 1	R D 2	HARPURSVILLE	13787	NY
21-03-0217	HAMLIN, THOMAS	R D 1	DEPOSIT	13754	NY
21-03-0222	LYON, ROBERT	R D 1	NINEVEH	13813	NY
21-03-0223	AUKEMA, DOUGLAS	KNAPP HILL ROAD	CHENANGO FORKS	13746	NY
21-03-0225	LAWRENCE BROTHERS	R D 1	CONKLIN	13748	NY
21-03-0248	ANDRESEN, RICHARD	RD1	DEPOSIT	13754	NY
21-03-0368	WORDEN BROTHERS	R D 2	WINDSOR	13865	NY
21-03-0687	HELM, KARL	RD 1	NINEVEH	13813	NY
21-03-0879	OLIN, DONALD	RD 2	HARPURSVILLE	13787	NY
21-03-0910	WICKS, ALFRED	RD 1	PORT CRANE	13833	NY
21-03-0982	HOLCOMB, ROBERT	R D 2	GREENE	13778	NY
21-04-0020	PUTT, ALBERT F. HD2	BIRCH RUN RD.	ALLEGANY	14706	NY
21-04-0036	FRANGALEX FARM	ATT F.C. ANDEFA RD	GREAT VALLEY	14741	NY
21-04-0069	RUSHING BROOK FARM	ATT LYLE WAITE RD	RANDOLPH	14772	NY
21-04-0081	PRO-SHO FARM	PO ATT EDMON LAMPS	CONEWANGO VALLEY	14726	NY
21-04-0094	READ, JOHN A.	MALTBIE HEIGHTS	GOWANDA	14070	NY
21-04-0116	WOODMANCY BROTHERS	RD 2	RANDOLPH	14772	NY
21-04-0119	BURROUGHS, HOWARD HERD 1	R F D BOX 87	LITTLE VALLEY	14755	NY
21-04-0121	JEORZEJEK BROTHERS	R D 1	ELLICOTTVILLE	14731	NY
21-04-0124	BUSEKIST, ROBERT	RFD 3	CATTARAUGUS	14719	NY
21-04-0128	KENT, WAYNE	R F D	LITTLE VALLEY	14755	NY

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	.... ADDRESS OF OWNER .... STREET OR ROUTE	TOWN	ZIP-CODE	STATE
21-04-0130	HINTZ, ERWIN	R F D	EAST OTTO	14729	NY
21-04-0134	STUDLEY FARMS	RFD 2	GOWANDA	14070	NY
21-04-0255	STEINBAR, PRESTON	R F D	EAST OTTO	14729	NY
21-04-0307	EL-A-RAY FARM	RFD 3 RAYMOND HILL	CATTARAUGUS	14719	NY
21-04-0311	CHARLESWORTH, HOWARD	R F D 1	EAST OTTO	14729	NY
21-04-0312	CHAPMAN, EDGAR	R F D 1	CONEWANGO VALLEY	14726	NY
21-04-0316	PALMARJA FARM	WEST FIVE MILE ROA	ALLEGANY	14706	NY
21-04-0356	REYNOLDS, DOUGLAS	R D 3	CUBA	14727	NY
21-04-0369	SENN, DALE	R D 1	RANDOLPH	14730	NY
21-04-0409	SILVER FALLS FARMS	PFD DONALD DEWEY	PERRYSBURG	14129	NY
21-04-0441	ELLIS, JAMES HERD 2	R D 3	CATTARAUGUS	14719	NY
21-04-0452	BLACKTHORN FARM	R D 3	CATTARAUGUS	14719	NY
21-04-0597	KRISTLAWN FARM		PORTVILLE	14770	NY
21-04-0619	ECCLES FARM	RD1 ATT H. T. ECCL	RANDOLPH	14772	NY
21-05-0011	ALEXANDER, HAROLD	R D 1	UNION SPRINGS	13160	NY
21-05-0030	RIPLEY, ROLAND	R D 4	CORTLAND	13045	NY
21-05-0031	SEXAUER AND LOCKWOOD	RD 3	AUBURN	13021	NY
21-05-0039	OCONNOR, JOSEPH D	R D 1 ROUTE 31B	WEEDSPORT	13166	NY
21-05-0043	DUNHAM, ROBERT	R D 3	MORAVIA	13118	NY
21-05-0094	KEHOE, DONALD	R D 2	MORAVIA	13118	NY
21-05-0095	VAN NOSTRAND, WM. W.		VENICE CTR	13161	NY
21-05-0114	DATES, CARL	R D 2	RED CREEK	13143	NY
21-05-0156	DAVIS, ARTHUR		GENOA	13071	NY
21-05-0157	STEVENS, DUANE	RD 2	RED CREEK	13143	NY
21-05-0160	JOHNSON, MAURICE W.	R D 4	AUBURN	13021	NY
21-05-0167	DUNKLE, E. C.	R D 1	KING FERRY	13081	NY
21-05-0194	CAMPBELL, WARREN		STERLING	13156	NY
21-05-0221	RIFORD, L. S.	RD 3	AUBURN	13021	NY
21-05-0242	ABER, PHILIP W.	R D 1	MORAVIA	13118	NY
21-05-0244	LERSON LAWN FARM	BOX 44	SENNETT	13150	NY
21-05-0249	PEARCE, RICHARD W. & SON	R D 5	AUBURN	13021	NY
21-05-0270	PATCHEN, KENNETH A. & SO		LOCKE	13092	NY
21-05-0275	LITTLEJOHN FARMS	R D 1	UNION SPRINGS	13160	NY
21-05-0294	MILLER, EDWARD AND REVA	MAPLEWOOD FARM R D	AUBURN	13021	NY
21-05-0309	MONTGOMERY, GEORGE	R D 2	GROTON	13073	NY
21-05-0334	HATFIELD, W. KEITH	BOX 202 R D 1	SCIPIO CENTER	13147	NY
21-05-0344	CAREY BROTHERS, HERD 2	R D 1	LOCKE	13092	NY
21-05-0360	HILTON, DORWIN & SONS	R D 3	CATO	13033	NY
21-05-0362	WALTON, JOHN	R D 1	CATO	13033	NY
21-05-0376	MCMAHON, RALPH M.	R D 6	AUBURN	13021	NY
21-05-0388	ROSSBACH, DIETRICH	CREST EDGE FM	VENICE CENTER	13161	NY
21-05-0397	MAPLEHURST FARM	PATTINGTON, RUS&BR	SCIPIO CENTER	13147	NY
21-05-0407	CAREY, DONALD	R D 1	WEEDSPORT	13166	NY
21-05-0419	RICHARDSON, ROBERT G.	SHERWOOD FARMS	AURORA	13026	NY
21-05-0421	MORSE, PAUL	R D 1	MORAVIA	13118	NY
21-05-0422	PERRY, MARK R.	R D 3	AUBURN	13021	NY
21-05-0428	MITCHELL, CHARLES		MORAVIA	13118	NY
21-05-0434	MCDOWELL, DONALD	R D 1	JORDAN	13080	NY
21-05-0435	SHELDON, L. W. AND SONS	R 1	FULTON	13069	NY
21-05-0441	MUTCHLER, EUGENE		VENICE CENTER	13161	NY
21-05-0701	CAYUGA COUNTY HOME	RD 6	AUBURN	13021	NY
21-05-0764	GAHWILER, ALBERT	R D 2	AUBURN	13021	NY
21-05-0832	HARGETT, ROBERT	SAXOJAC FARM	LOCKE	13092	NY
21-05-0878	HATFIELD, ARBON & DONALD	RD01 BLUVAL FARM	MORAVIA	13118	NY
21-05-0982	SOUTHARD, LEE	RD 3 CLOVER HILL F	CATO	13033	NY
21-06-0011	AMES, CHARLES	R D 2	JAMESTOWN	14701	NY
21-06-0025	JONES, ALLEN & RALPH	ATT. DUANE FROST	JAMESTOWN	14701	NY
21-06-0029	CARLBERG FARMS	R D 1	FREWSBURG	14738	NY
21-06-0031	WHITE, JOHN	R D 2	CLYMER	14724	NY
21-06-0043	FORBES FARMS	RFD 2	JAMESTOWN	14701	NY
21-06-0049	NEWELL, EDWARD	R D 1	SHERMAN	14781	NY
21-06-0053	ANDERSON, MERVEL		KENNEDY	14747	NY
21-06-0054	ANDERSON, STANLEY	R D 1	SINCLAIRVILLE	14782	NY
21-06-0060	COCHRANE, A. JAMES JR.	R D 2	RIPLEY	14775	NY
21-06-0061	CROWELL, DONALD V.	R D 2	SOUTH DAYTON	14138	NY
21-06-0070	IVETT, LYNN AND SON	R D 2	SOUTH DAYTON	14138	NY
21-06-0100	SPINLER, CHARLES	R D 2	SINCLAIRVILLE	14782	NY
21-06-0113	CROSS, ELWIN & SON	ALLEGANY ROAD	FORESTVILLE	14062	NY
21-06-0114	CROWELL, NORTON	R D 1	CHERRY CREEK	14723	NY
21-06-0149	TRUMP, ROGER	R D 1	WESTFIELD	14787	NY
21-06-0231	LAWSON, RALPH J.	520 CAMP STREET	JAMESTOWN	14701	NY
21-06-0240	HEDLUND, GEORGE F.	R D 2	ASHVILLE	14710	NY
21-06-0256	LINDQUIST, GEORGE HD 1	R D 1	KENNEDY	14747	NY
21-06-0283	WRIGHT, HOWARD	R D 2	CLYMER	14724	NY
21-06-0291	WHITNEY, OLIVER	R D 2	CLYMER	14724	NY
21-06-0313	DUNNEWOLD, ERNEST	R D 2	CLYMER	14724	NY
21-06-0327	HESS, ROBERT	R D 2	FORESTVILLE	14062	NY
21-06-0348	BENNINK, DONALD	RD1 CLYMER CENTER	CLYMER	14724	NY
21-06-0349	TENPAS, JAN JR.	R D 1	CLYMER	14724	NY
21-06-0366	RATER, LAWRENCE	R D 4	SHERMAN	14781	NY
21-06-0387	FINCH, RICHARD	R D 2	SINCLAIRVILLE	14782	NY
21-06-0394	CROSS, ROBERT	R D 2	KENNEDY	14747	NY
21-06-0420	THOMPSON FARM, R & M & V	R D 2	KENNEDY	14747	NY
21-06-0423	MILLER, RAYMOND & RICHAR	R D 2	KENNEDY	14747	NY
21-06-0449	MAPL CAMP FARM	ATT JARED WOOLLEY	FORESTVILLE	14062	NY

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	STREET OR ROUTE (ADDRESS OF OWNER)	TOWN	ZIP-CODE	STATE
21-06-0494	ANDERSON, LEON	R D 3	JAMESTOWN	14701	NY
21-06-0497	CUNNINGHAM, RONALD	R D 1	SHERMAN	14781	NY
21-06-0505	COWEN, WARREN L.		CONEWANGO VALLEY	14726	NY
21-06-0510	LAPORTE, JOESPH	PROSPECT ROAD	WESTFIELD	14787	NY
21-06-0518	CRUMP, HOWARD	76 WEST MAIN STREE	SHERMAN	14781	NY
21-06-0535	WASSINK, RAYMOND W.		CLYMER	14724	NY
21-06-0565	ANDERSON BROTHERS	R D 3	JAMESTOWN	14701	NY
21-06-0594	LIDDELL, EDWARD	R D 1 BAYVIEW ROAD	BEMUS POINT	14712	NY
21-06-0600	DALMORE HOLSTEINS	RD 2, BOX 137	SINCLAIRVILLE	14782	NY
21-06-0644	GREEN, FREDERICK E.	HANOVER RD R D	FORESTVILLE	14062	NY
21-06-0653	SVENTEK, JOSEPH	R D 3	SHERMAN	14781	NY
21-06-0655	GROSS, EDGAR F. HD 1	7136 RODD ROAD	SINCLAIRVILLE	14782	NY
21-06-0659	SUGAR MAPLE FARM	R D 1	SHERMAN	14781	NY
21-06-0688	FAIRBANKS, BRUCE	R D 2	FORESTVILLE	14062	NY
21-06-0704	HEWESHURST FARM 2	R D 2	MAYVILLE	14757	NY
21-06-0708	HOOKER, LAWRENCE	R D 2	SOUTH DAYTON	14138	NY
21-06-0716	BLY, MR. & MRS. FRANK	BOX 414	ELLINGTON	14732	NY
21-06-0731	NICKERSON, ROYAL	R D 2	CORRY	16407	PA
21-06-0747	RESLINK, MELVIN	R D 2	CLYMER	14724	NY
21-06-0846	KIMVALE FARM	RD 1	FALCONER	14733	NY
21-06-0893	COWLES, HAROLD	R D 2	ASHVILLE	14710	NY
21-06-0950	HEWESHURST FARM 1	R D 2	MAYVILLE	14757	NY
21-07-0007	SMITHOME FARMS		BIG FLATS	14814	NY
21-07-0014	LANT, FRED AND SONS	R D 2	HORSEHEADS	14845	NY
21-07-0033	HOFBAUER, OWEN	R D 1	PINE CITY	14871	NY
21-07-0080	DALRYMPLE FM A. DALRYMPL	334 SING SING ROAD	HORSEHEADS	14845	NY
21-07-0090	EVERETTS, FLOYD FARM 1	R D 2	HORSEHEADS	14845	NY
21-07-0363	WHITCOMB, R. K. & M. L.	R D 1	CORNING	14830	NY
21-07-0573	HOOSE, ELWIN		WELLSBURG	14894	NY
21-07-0699	WELLES, WILLIAM V.	RD 3	HORSEHEADS	14845	NY
21-08-0007	GREENVIEW FARMS	RD 3	BAINBRIDGE	13733	NY
21-08-0019	MUZZY, DOUGLAS OR DAVID	STAR ROUTE	GREENE	13778	NY
21-08-0020	HOWARD, JOHN E.	BOX 302	SHERBURNE	13460	NY.
21-08-0027	BUTTON, OWEN		SOUTH NEW BERLIN	13843	NY
21-08-0066	SPREUSVIEW FARMS INC.	R D 1	MOUNT UPTON	13809	NY
21-08-0077	LACROCE, VINCENT	BOX 125 R D 1	SHERBURNE	13460	NY
21-08-0097	FLEMING, MILLARD	12 SCOTT STREET	BAINBRIDGE	13733	NY
21-08-0100	FLEMING, DEWITT E.		GUILFORD	1378[illegible]	NY
21-08-0123	DOYLE, PAUL	R D 1	WEST EDMESTON	13485	NY
21-08-0152	PLANKENHORN & ORTON HD 1	RIVERLEA FARMS BX3	SIDNEY	13838	NY
21-08-0154	BENSON, ALF P.	SUN BEN FM R D 2	NEW BERLIN	13411	NY
21-08-0173	BLANCHARD FARMS 1	LEE AND STEWART	SMYRNA	13464	NY
21-08-0185	LARKIN, WILLIAM & SONS	R D 1	HUBBARDSVILLE	13355	NY
21-08-0222	LATHROP, C. E.	BOX 251 B	SHERBURNE	13460	NY
21-08-0230	HOLL, THOMAS JR.		DE RUYTER	13 52	NY
21-08-0246	COLEGROVE, JOHN & BEVERL	R D 2	EDMESTON	13335	NY
21-08-0247	IVES, DAVID	R D 3	BAINBRIDGE	13733	NY
21-08-0273	BENNETT, RONALD	R D 1	BURLINGTON FLATS	13315	NY
21-08-0330	WILLIAMS, HARRY	R D 1	OXFORD	13830	NY
21-08-0347	MARSHMAN FARMS	RD 3	OXFORD	13830	NY
21-08-0404	GILBERT, LESLIE		PITCHER	13136	NY
21-08-0405	ROX BURGHE FARMS	RFD 1	EDMESTON	13335	NY
21-08-0408	MCLAUGHLIN, J. P.	R D 1	GREENE	13778	NY
21-08-0419	MICHA, JOHN	R D 2	GREENE	13778	NY
21-08-0434	COMINGS, PHILIP C.	RFD 1	BAINBRIDGE	13733	NY
21-08-0452	DUNCKEL, LOUIS	R D 2	OXFORD	13830	NY
21-08-0484	MEADE BROTHERS	R D 3	OXFORD	13830	NY
21-08-0489	MUDGE, WILLIAM		CINCINNATUS	13[illegible]40	NY
21-08-0492	SYLSTRA, N. L. JR.	R D 2	OXFORD	13830	NY
21-08-0539	WILLCOX, EDMOND K.	R D 3	NORWICH	13815	NY
21-08-0581	WELCH AND HIGGINS	R D 1	NEW BERLIN	13411	NY
21-08-0587	EAVES, THOMAS		SHERBURNE	13460	NY
21-08-0663	SABIN, REXFORD	R D 3	OXFORD	13830	NY
21-08-0691	TALBOT, G. EDWARD	EDKAY FARM R D 1	WEST EDMESTON	13485	NY
21-08-0697	DUELL, GEORGE		MCDONOUGH	13801	NY
21-08-0701	STANTON, FRANCIS	R D 1	EDMESTON	13335	NY
21-08-0705	JOHNSON, DONALD	R D 1	NEW BERLIN	13411	NY
21-08-0731	FRIEDEL, DOUGLAS	R D 2	NEW BERLIN	13411	NY
21-08-0766	DUNGEY, HARRISON HD I		SHERBURNE	13460	NY
21-08-0767	LARCHAR FARMS	R D 1	NEW BERLIN	13411	NY
21-08-0781	BICE, RONALD	STAR ROUTE	SOUTH EDMESTON	13466	NY
21-08-0784	ROUNDS, EDWARD	R D 1	GREENE	13778	NY
21-08-0804	SCHULTZ, RONALD	R D 1	NINEVEH	13813	NY
21-08-0868	PROSKINE, JOHN		NORWICH	13815	NY
21-08-0874	WELCH, CLAYTON A.	R D 2	SOUTH NEW BERLIN	13843	NY
21-08-0888	ANDERSON, H. J.	R D 1	HARPURSVILLE	13787	NY
21-08-0889	RULING, NELSON	R D 3	BAINBRIDGE	13733	NY
21-08-0901	HARTWELL, CYRUS	R D	SHERBURNE	[illegible]	NY
21-08-0949	ANGELL, BURNELL		DE RUYTER	13 52	NY
21-09-0004	DEBEER, ANDREW		CHAZY	12921	NY
21-09-0025	ASHLEY, CHARLES		WEST CHAZY	12992	NY
21-09-0053	GREGWARE, JOSEPH & SONS		CHAZY	12921	NY
21-09-0077	BECHARD, FELIX	RFD1 BORDER VIEW F	CHAMPLAIN	12919	NY
21-09-0081	ROBINSON, THOMAS	RD 1	CHAMPLAIN	12919	NY
21-09-0092	ALLEN, STEVE	R D 1	PERU	12972	NY

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	ADDRESS OF OWNER: STREET OR ROUTE	TOWN	ZIP-CODE	STATE
21-09-0107	ASHLEY, CHARLES FM 2		WEST CHAZY	12992	NY
21-09-0130	GRAVELLE, ROBERT	CHAZY LOG	CHAZY	12921	NY
21-09-0202	CARTER, LAWRENCE		ELLENBURG CENTER	12934	NY
21-09-0236	JUBERT, VICTOR J.	ROUTE 1 BOX 414	PLATTSBURGH	12901	NY
21-09-0252	LAVERNWAY, RAYMOND	RAMARK FARM	SARANAC	12981	NY
21-09-0254	BENSON, DONALD S.	R D 1	PERU	12972	NY
21-09-0274	COULTER, BRUCE		ELLENBURG CENTER	12934	NY
21-09-0374	CHEESEMAN, MARSHALL		ELLENBURG DEPOT	12935	NY
21-09-0387	CHEESEMAN, WINFRED		ELLENBURG DEPOT	12935	NY
21-09-0530	CLINTON PRISON		DANNEMORA	12929	NY
21-09-0548	BANKER FARMS	R D 1 BOX 406	PLATTSBURGH	12901	NY
21-09-0599	STAFFORDSHIRE FARMS		PERU	12972	NY
21-10-0016	MACKERER, RICHARD F. FM1		EAST CHATHAM	12060	NY
21-10-0022	DEEP ACRES	RD	KINDERHOOK	12106	NY
21-10-0024	METTLER & FOURNIER	RFD	HILLSDALE	12529	NY
21-10-0041	KEELERS CRAIGSIDE DAIRY	R D 2	HUDSON	12534	NY
21-10-0058	HEINS, JOHN	RD 1	HUDSON	12534	NY
21-10-0061	HI DIDDLE FARM 1	RD 2	GERMANTOWN	12526	NY
21-10-0062	SHAKER VIEW FARM	P.O. BOX 40	NEW LEBANON CENTE	12125	NY
21-10-0074	SCISM, RICHARD & SON	BOX 13	STUYVESANT	12173	NY
21-10-0078	SCHNEEBERGER, FRED	R F D 1	ANCRAM	12502	NY
21-10-0084	SUNNY MEAD FARMS, INC.	R F D	HILLSDALE	12529	NY
21-10-0086	TOPEER A FARMS		COPAKE	12516	NY
21-10-0092	LANGRIDGE, WM. H. R. JR.	R D	TIVOLI	12583	NY
21-10-0109	CLAGHORN, D. AND C.	RD 2	HUDSON	12534	NY
21-10-0139	BEHRENS, E. H.		OLD CHATHAM	12136	NY
21-10-0144	MERRICK, IRVING		ANCRAM	12502	NY
21-10-0164	ATKINSON, GEORGE		LIVINGSTON	12541	NY
21-10-0174	SHADOWBROOK FARM	BOX 40	NEW LEBANON CENTE	12125	NY
21-10-0181	BITEL, FRANK J.		ANCRAMDALE	12503	NY
21-10-0189	FLOS VALLEY FARMS	R D BOX 86 C.AGANM	VALATIE	12184	NY
21-10-0201	STONEHOUSE FARM	R D 2	HUDSON	12534	NY
21-10-0203	LANGDON, ADRIAN C.		COPAKE	12516	NY
21-10-0216	LANGDON, GRANT D.		COPAKE	12516	NY
21-10-0221	MILLER, HERBERT	SNOOK HILL FARM	COPAKE	12516	NY
21-10-0228	RANCH 387	T. E. NOLAN R D 1	HILLSDALE	12529	NY
21-10-0230	DUTCH ACRES	BOX 37	NORTH CHATHAM	12132	NY
21-10-0245	HUGHES, D & NEAR, MARY	R D 1 PLEASANT ACR	COPAKE	12516	NY
21-10-0263	GROSS, FRANK & ANDREW		MILLERTON	12546	NY
21-10-0271	MODERN FARMS	BOX 236	CLAVERACK	12513	NY
21-10-0272	COOLEY, RALPH D. JR.	R D 1	GHENT	12075	NY
21-10-0278	GORDON, WILLIAM F. JR	FAIRONICA FARM	ANCRAM	12502	NY
21-10-0279	PAGE, RICHARD A.	COUNTY ROAD 21 R D	GHENT	12075	NY
21-10-0291	SCHULERUD, CARL L.	R D 2	VALATIE	12184	NY
21-10-0304	DORN, FRED	DOREIGH FARM 2	NORTH CHATHAM	12132	NY
21-10-0305	BARRINGER, FRED		HILLSDALE	12529	NY
21-10-0310	FISH, LOUIS W. JR. FM1		ANCRAM	12502	NY
21-10-0329	LO-NAN FARM	1	PINE PLAINS	12567	NY
21-10-0379	CHITTENDEN, S. N. HD 1		NEW LEBANON	12125	NY
21-10-0449	COOLEY, RALPH	RD 1	GHENT	12075	NY
21-10-0471	BEAVER CREEK FARM	RD 1	HUDSON	12534	NY
21-10-0594	DAWSON, SAMUEL W.	R F D	HILLSDALE	12529	NY
21-10-0681	GLENNCROSS FARM	R F D 2	VALATIE	12184	NY
21-10-0721	MCCOMB, DAVID	R D 1	GHENT	12075	NY
21-10-0727	SCHRADER, A. G. AND SONS	R F D 2	GERMANTOWN	12526	NY
21-10-0912	BRALEY, J. WARREN	R F D	CHATHAM	12037	NY
21-10-0928	HOYSRADT, HENRY R	R D 1	ANCRAMDALE	12503	NY
21-10-0978	SOMMERHOFF, KURT & CHRIS		ANCRAMDALE	12503	NY
21-11-0010	DIESCHER, WILLIAM & JOHN	R D 1	CORTLAND	13045	NY
21-11-0015	GRISWOLD AND OAKS	R D 3	CORTLAND	13045	NY
21-11-0022	THE GOLDWATER FARM	5193 FOSTER RD. RF	CORTLAND	13045	NY
21-11-0035	WHITE, J. M. AND H. M.	P O BOX 493	MARATHON	13803	NY
21-11-0052	WEDDLE, STANLEY J.	R D 1	HOMER	13077	NY
21-11-0067	GUNZENHAUSER, B & G	1212 STARR RD	CORTLAND	13045	NY
21-11-0082	BROOKS, RICHARD A.	R D 2	HOMER	13077	NY
21-11-0087	VANPATTEN, WILLIAM J.	STAR ROUTE	PREBLE	13141	NY
21-11-0090	MCJUNKIN, REED & ELEANOR	R D 1	CORTLAND	13045	NY
21-11-0095	BICKFORD, EDWIN JR.	R D 1	EAST FREETOWN	13055	NY
21-11-0099	YOUNG, ERNEST W.	R D 2	CUYLER	13050	NY
21-11-0101	SEARS, FRANCIS	RD 4	CORTLAND	13045	NY
21-11-0105	JONES, DONALD & WALTER	DONALTER FARMS R D	HOMER	13077	NY
21-11-0118	MCMAHON, RICHARD T.	R D 2	HOMER	13077	NY
21-11-0121	GIGLIUTO, JOSEPH	R D 2	HOMER	13077	NY
21-11-0134	LONERGAN, THOMAS J.	R D 2	HOMER	13077	NY
21-11-0171	UNDERWOOD, WILLIAM		TULLY	13159	NY
21-11-0178	WRIGHT, WILLIAM S.		PREBLE	13141	NY
21-11-0190	STOUGHTON, E. & E.	RD 1	CORTLAND	13045	NY
21-11-0203	ARMSTRONG, GEORGE	R D 1	HOMER	13077	NY
21-11-0211	VOSSLER, EUGENE & ROBERT		PREBLE	13141	NY
21-11-0233	HEATH, JAMES H.	R D 1	MCGRAW	13101	NY
21-11-0253	WEBSTER, CLAIR	R D 2	HOMER	13077	NY
21-11-0258	COOMBS, KEVIN E.	R D 1	MCGRAW	13101	NY
21-11-0261	KIMMICH, LEONARD	R D 2	MARATHON	13803	NY
21-11-0265	YOUNG, MALCOLM H.	R D 1	CORTLAND	13045	NY
21-11-0268	HARVEY, NORMAN	R D 1	MARATHON	13803	NY

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	ADDRESS OF OWNER: STREET OR ROUTE	TOWN	ZIP-CODE	STATE
21-11-0269	GRISWOLD, HUBERT C.		PREBLE	13141	NY
21-11-0284	KITTS, DAVID W.	R D 4	CORTLAND	13045	NY
21-11-0308	MCCALL, LAWRENCE	4624 MCDONALD ROAD	HOMER	13077	NY
21-11-0320	REARDON, GARY	R D 1	MCGRAW	13101	NY
21-11-0344	KNAPP, ROBERT D. & SONS		PREBLE	13141	NY
21-11-0423	FLEMING, PAUL & MARGARET	R D 1	CORTLAND	13045	NY
21-11-0480	MORGAN, LEONARD B.	R D 1	HOMER	13077	NY
21-11-0484	DAVIS, LELAND	R D 4	CORTLAND	13045	NY
21-11-0611	PERRY, LAWRENCE	R D 2	HOMER	13077	NY
21-11-0654	MILKLAND FARMS	POTTER, WILLARD&JA	TRUXTON	13158	NY
21-11-0655	POTTER, BERNARD W.		TRUXTON	13158	NY
21-11-0694	REED FARM	R D 2	CORTLAND	13045	NY
21-11-0727	RIEHLMAN FARM	RD 2	HOMER	13077	NY
21-11-0730	MCEVOY, KENNETH J.	R D 3 GAY HOME FAR	MARATHON	13803	NY
21-11-0737	MACINTIRE, FRANK & WILSD	R D 4	CORTLAND	13045	NY
21-11-0873	SELLEN, RODNEY H.	R F D 1	HOMER	13077	NY
21-11-0883	MCMAHON, RALPH & SONS FM	R D 3	MARATHON	13803	NY
21-12-0026	OSTERHOUT, WARREN & PEAR	DELHI STAGE	ONEONTA	13820	NY
21-12-0031	LAKE DELAWARE FARM 1		DELHI	13753	NY
21-12-0032	BOWKER, GLENN		WALTON	13856	NY
21-12-0035	MC CLENON, DONALD	R D 2	WALTON	13856	NY
21-12-0036	MACCRACKEN BROTHERS		DAVENPORT	13750	NY
21-12-0042	STOECKEL, GERALD F.	BUSY ACRES FARM	BLOOMVILLE	13739	NY
21-12-0047	ELDERKIN, HERBERT		WALTON	13856	NY
21-12-0050	LATOURETTE, ROBERT	R D 1	SIDNEY CENTER	13839	NY
21-12-0061	JACKSON, S. GRAHAM	RIVER RD	WALTON	13856	NY
21-12-0065	NEFF, ALFRED	R D 1	WALTON	13856	NY
21-12-0080	GIFFORD, RICHARD HD1		DEPOSIT	13754	NY
21-12-0101	JOHSON, MICHAEL & PAUL		MERIDALE	13806	NY
21-12-0103	BELL, DAVED SWISS-BELLEF	RIVER ROAD RT 1	DELHI	13856	NY
21-12-0117	KLUMPE, HERBERT W. JR.	CRESTWIND FARM	MEREDITH	13805	NY
21-12-0119	ALL, KENNETH		BLOOMVILLE	13739	NY
21-12-0125	WORDEN BROTHERS	WRIGHT BROOK ROAD	BLOOMVILLE	13739	NY
21-12-0130	VAN KLEECK, GEORGE FM1		HOBART	13788	NY
21-12-0139	BANUAT, DAVID C. & THELM		BOVINA CENTER	13740	NY
21-12-0147	BURNS, JAMES		BOVINA CENTER	13740	NY
21-12-0160	SHAW, JAMES		HAMDEN	13782	NY
21-12-0168	COULTER, BRUCE E.	R D 1 COULTERHOME	WALTON	13856	NY
21-12-0181	JACKSON, W. THOMAS	R D 1	WALTON	13856	NY
21-12-0187	BARLOW, JOHN	LAKE DELAWARE	DELHI	13753	NY
21-12-0199	ACKERMAN, MELVIN	BOX 13	SOUTH KORTRIGHT	13842	NY
21-12-0200	KUPPENS BROTHERS		WALTON	13856	NY
21-12-0210	CONKLIN, MERVIN	R D 2	WALTON	13856	NY
21-12-0231	WARD, MILTON		DELHI	13753	NY
21-12-0244	HOLLEY, NORTON E.	R D 1	BLOOMVILLE	13739	NY
21-12-0256	BUSSY, IVAN H.		HALCOTTSVILLE	12438	NY
21-12-0292	PEBLERS FARM	HARDSCRABBLE ROAD	ROXBURY	12474	NY
21-12-0305	THORINGTON, JOHN & STANLE	RD 1	PRATTSVILLE	12468	NY
21-12-0307	STEVENS, DOUGLAS	FALLCLOVE	DE LANCEY	13752	NY
21-12-0330	TAYLOR, DAVID		MARGARETVILLE	12455	NY
21-12-0334	PIERCE, CARROLL G.	R D # 3	WALTON	13856	NY
21-12-0355	STURGESS, HAROLD		HOBART	13788	NY
21-12-0362	UTTER, LEONARD FM 1	MILL BROOK	MARGARETVILLE	12455	NY
21-12-0371	INMAN, WILLIAM		BOVINA CENTER	13740	NY
21-12-0378	PROSPECT FARM FARVIEW DI	ATT CLAUDE COOK	STAMFORD	12167	NY
21-12-0384	WHITTAKER, JOSEPH JR.	RD 2	DELHI	13753	NY
21-12-0388	SCOFIELD, CHESTER E.	R D 2	DELHI	13753	NY
21-12-0389	MEANS, SCOTT P.		DELHI	13753	NY
21-12-0392	NEFF, ALTON		DOWNSVILLE	13755	NY
21-12-0396	WARNER CREST FARMS	R D 2	MASONVILLE	13804	NY
21-12-0397	SANFORD, EARL M.		MARGARETVILLE	12455	NY
21-12-0402	HAIT, HERBERT		HOBART	13788	NY
21-12-0441	WASSERSTROM, RICHARD	TREADWELL STAGE	DELHI	13753	NY
21-12-0452	PLOUTZ, LELAND & SON		HAMDEN	13782	NY
21-12-0454	RICH, GEORGE C.		FRANKLIN	13775	NY
21-12-0456	TAYLOR, RALPH	STAR ROUTE	WALTON	13856	NY
21-12-0474	BUDINE, STANLEY H. JR.	RD 2 EAST BROOK	WALTON	13856	NY
21-12-0479	PROSPECT FARM SUNRISE DI	ATT. CLAUDE COOK	STAMFORD	12167	NY
21-12-0489	KAUFMAN, PETTUS AND CON		FRASER	13753	NY
21-12-0500	FAIRBAIRN, JOHN		ARKVILLE	12405	NY
21-12-0505	KELLETT, JOHN		DEPOSIT	13754	NY
21-12-0506	DAMGAARD, JACK		BOVINA CENTER	13740	NY
21-12-0515	GARDEPE, F. RAYMOND	R D 1	WALTON	13856	NY
21-12-0522	JOHNSON, LLOYD H.	DELHI ONEONTA STAG	ONEONTA	13820	NY
21-12-0533	NYS AG & TECH INST	FRANK LOVELAND MGR	DELHI	13753	NY
21-12-0542	R-M FARM		TREADWELL	13846	NY
21-12-0543	CABLE, ROBERT F. &NEIL J	R D 1	HAMDEN	13782	NY
21-12-0546	COULTER, LEWIS		HAMDEN	13782	NY
21-12-0550	JENDRZEJEWSKI, JOSEPH		DELHI	13753	NY
21-12-0575	HUTSON, THOMAS R		DE LANCEY	13752	NY
21-12-0610	GAVETT, CHARLES	R D GAVETT FARMS	HAMDEN	13782	NY
21-12-0613	MILLER, ROBERT L.	R D 1	FRANKLIN	13775	NY
21-12-0627	LATOURETTE, RICHARD	R D 1	SIDNEY CENTER	13839	NY
21-12-0667	RADLEY, ERNEST	TREADWELL ROAD	DELHI	13753	NY
21-12-0669	DUGAN, JOHN JR.		ROXBURY	12474	NY

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP-CODE	STATE
		. . . . A D D R E S S	O F O W N E R		
21-12-0572	RABELER DAIRY FARM		BOVINA CENTER	13740	NY
21-12-0700	WILSON, BURTON	ELK CREEK	DELHI	13753	NY
21-12-0701	LAMPORT, FRANK JR.	RIVER ROAD	HOBART	13788	NY
21-12-0704	STOOP, LEWIS	R D	BLOOMVILLE	13739	NY
21-12-0731	BRIGGS, ALDEN C.	BEEBE HILL	DEPOSIT	13754	NY
21-12-0737	GUNTERT, KARL		EAST MEREDITH	13757	NY
21-12-0745	FRASER HOMESTEAD FARM		FRASER	13753	NY
21-12-0751	BURNS, THOMAS		BOVINA CENTER	13740	NY
21-12-0754	PROSPECT FMS. PINE I. DI	ATT CLAUDE COOK	STAMFORD	12167	NY
21-12-0765	AIKENS, WILLIAM	R D 1	BLOOMVILLE	13739	NY
21-12-0777	KUHN, WALTER & SONS		GRAND GORGE	12434	NY
21-12-0800	RUSSELL, MILLARD JR.		BOVINA CENTER	13740	NY
21-12-0803	POST, DAVID E.		HOBART	13788	NY
21-12-0843	NYGARD, DAVID		BLOOMVILLE	13739	NY
21-12-0845	MAC-LE FARM		HOBART	13788	NY
21-12-0850	FAIRBAIRN,DR.JOHNJR. HD		ARKVILLE	12406	NY
21-12-0853	SCHECK, G. & A.	R D 2	DELHI	13753	NY
21-12-0854	CZAJA, LEON	WARREN DRIVE	DOWNSVILLE	13755	NY
21-12-0859	SCUDDER, LEIGHTON		FLEISCHMANNS	12430	NY
21-12-0864	RUFF, WILLIAM FM 2		ANDES	13731	NY
21-12-0875	SUTHERLAND, HUGH R.	R F D 1	DELHI	13753	NY
21-12-0883	HOLLEY, NORTON E. JR	R D 1	BLOOMVILLE	13739	NY
21-12-0885	WEINMANN, ALLAN	CLOVE RD. HILLTOP	HOBART	13788	NY
21-12-0912	LITTLE, ROBERT	FALL CLOVE	DELANCEY	13752	NY
21-12-0916	ACKERMAN, PHILLIP	RIVER RD	BLOOMVILLE	13739	NY
21-12-0934	SMITH, ERNEST & DON	R R 1	FRANKLIN	13775	NY
21-12-0977	MARTIN, WENDELL F. JR	R D	SOUTH KORTRIGHT	13842	NY
21-13-0006	PLANKENHORN FARM	GRETNA ROAD	HYDE PARK	12538	NY
21-13-0020	HILLAIRE FARM	TOWER HILL ROAD	MILLBROOK	12545	NY
21-13-0023	DAPPLEMERE FARM	RESRVOIR RD	PAWLING	12564	NY
21-13-0029	WELLS BROTHERS	RFD 2	MILLBROOK	12545	NY
21-13-0033	COON BROTHERS HD 1	SMITHFIELD ROAD	AMENIA	12501	NY
21-13-0043	HAPEMAN, CHARLES	HAPEMAN HILL ROAD	RED HOOK	12571	NY
21-13-0049	GREIG, ROBERT G.	PITCHER LANE	RED HOOK	12571	NY
21-13-0067	GREEN HAVEN PRISON	ROUTE 216	STORMVILLE	12582	NY
21-13-0068	JOHANNSSEN, CARL	SALT POINT RD.	PLEASANT VALLEY	12569	NY
21-13-0092	BOS-HAVEN FM 2	ATT DONALD MARSHAL	VERBANK	12585	NY
21-13-0102	PEROTTI, FRANK FARM 1	R F D 2	MILLERTON	12546	NY
21-13-0116	DELAVAL RESEARCH FARM	ATT. CHARLES PLACE	PINE PLAINS	12567	NY
21-13-0149	BARRETT, JON	R F D	MILLERTON	12546	NY
21-13-0156	GRETNA ACRES ROBT HEWLET	R D 1 12601	POUGHKEEPSIE	12600	NY
21-13-0159	BENEKE, J. & H.	WILLOWBROOK FMS RF	MILLERTON	12546	NY
21-13-0236	BUTLER, C. E. & SON	HOLSTEIN HERD	PINE PLAINS	12567	NY
21-13-0254	DAM, FLORENCE M.	ROUTE 82	PINE PLAINS	12567	NY
21-13-0256	TYMOR FARM		LAGRANGEVILLE	12540	NY
21-13-0259	NORTHROP, RAYMOND	HUNNS LAKE ROAD	STANFORDVILLE	12581	NY
21-13-0264	WHALEN, RICHARD	SOUTH ROAD	MILLBROOK	12545	NY
21-13-0268	BRUSIE, RALPH & JOHN	R F D	MILLERTON	12546	NY
21-13-0272	KAIN, JOSEPH L.	ROUTE 22	AMENIA	12501	NY
21-13-0304	WIGSTENS HIGHLINE FARM	WIGSTEN RD	PLEASANT VALLEY	12569	NY
21-13-0309	BARLOWS AYRSHIRES	SOUTH AMENIA ROAD	WASSAIC	12592	NY
21-13-0325	SILAMAR FARM	R D 2	MILLERTON	12546	NY
21-13-0328	GILBERT BROTHERS	VIOLET AVE-T GILBE	HYDE PARK	12538	NY
21-13-0330	HEFFERING & TRAVENA	HANOVER HILL FARM	AMENIA	12501	NY
21-13-0339	WINANS, H. C. AND SON		PINE PLAINS	12567	NY
21-13-0352	STATE UNIV AG & TECH COL	MELVILLE ROAD	FARMINGDALE	11735	NY
21-13-0354	SALM, PETER A.	NORTH SEA ROAD	SOUTHAMPTON	11968	NY
21-13-0357	BALDWIN, SAYRE	HAYGROUND ROAD	BRIDGEHAMPTON	11932	NY
21-13-0358	CHAUNCEY, A.W.	COVE HOLLOW ROAD	EAST HAMPTON	11937	NY
21-13-0361	SHELDON, EUGENE JR.	SALT POINT RD	CLINTON CORNERS	12514	NY
21-13-0371	CHASEHOLME FARM	BRYANT RD. K B CHA	PINE PLAINS	12567	NY
21-13-0378	TULLYWELL FARM	H. LOUIS BOTHWELL	MILLERTON	12546	NY
21-13-0379	ELLBANK FARM	R D 1 ATT R A WRIG	MILLERTON	12546	NY
21-13-0395	KELLEY, JOHN R. FM1	NORTH ROAD	AMENIA	12501	NY
21-13-0466	WINCHELL MT. FARM	WINCHELL MT. RD.	MILLERTON	12546	NY
21-13-0475	MULLER, A. C.	RESERVR RD	PAWLING	12564	NY
21-13-0499	HONOUR, HENDERSON	SMITHFIELD ROAD	MILLERTON	12546	NY
21-13-0500	SILVER MT. FARM 1	SMITHFIELD ROAD	MILLERTON	12546	NY
21-13-0516	BOS-HAVEN FM 1	DONALD MARSHALL	VERBANK	12585	NY
21-13-0564	PULVER, STANLEY AND SON	WNCHL MT RD	MILLERTON	12546	NY
21-13-0566	DOWNEY, MAURICE F.	RUDD POND RD	MILLERTON	12546	NY
21-13-0574	EWING, SHERMAN	SMITHFIELD ROAD	AMENIA	12501	NY
21-13-0745	BROOKWOOD FARM	SKUNKS MISERY ROAD	MILLERTON	12546	NY
21-13-0770	VAIL BROTHERS	CLOVE VALLEY RD.	LAGRANGEVILLE	12540	NY
21-13-0777	ROSENTHAL, PAUL	FARAWAY FARM	PINE PLAINS	12567	NY
21-13-0789	JACKSON BROTHERS	JACKSON RD	HOPEWELL JUNCTION	12533	NY
21-13-0915	BULKELEY, PETER		TIVOLI	12583	NY
21-13-0965	HILPERTSHAUSER, HARRY	BOSTON CORNERS ROA	MILLERTON	12546	NY
21-14-0027	ERIE COUNTY FM-S.SLUBECK	WENDE RD	ALDEN	14004	NY
21-14-0030	OFFHAUS FARMS, INC.	7892 OAK ORCHARD R	BATAVIA	14020	NY
21-14-0034	SCHINTZIUS, PAUL	WARNER HILL ROAD	SOUTH WALES	14139	NY
21-14-0041	WIDEMAN AND SNYDER	HUNTS CORNER	AKRON	14001	NY
21-14-0067	GUENTHER, GERALD	CAPITAL HEIGHTS	HOLLAND	14080	NY
21-14-0095	SASSE, OTTO	GENESEE ROAD	EAST CONCORD	14055	NY
21-14-0110	LAMB, JAY	JENNINGS ROAD	EDEN	14057	NY

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	. . . . A D D R E S S O F O W N E R . . . . STREET OR ROUTE	TOWN	ZIP-CODE	STATE
21-14-0127	TOMLINSON BROTHERS	WILLARD AND HOWARD	WALES CENTER	14169	NY
21-14-0128	RICHARDSON, PHILIP	S NEWSTEAD RD	AKRON	14001	NY
21-14-0158	DAISYLYN FARM	CLARENCE CTR RD	AKRON	14001	NY
21-14-0167	SCHULTZ, ROBERT AND SON	ROUTE 39	COLLINS	14034	NY
21-14-0168	MILES, ARTHUR	SO NEWSTEAD RD	AKRON	14001	NY
21-14-0186	LUND, BRUCE	MAYO ROAD	SPRINGVILLE	14141	NY
21-14-0192	DALE LEE FARM	CLINTON ST	ELMA	14059	NY
21-14-0258	HAUTH, RICHARD	RT 219	BOSTON	14025	NY
21-14-0259	DABOLT FARMS	ROUTE 39	SARDINIA	14134	NY
21-14-0263	BREMILLER, WILLIAM N. HD	PRATHAM ROAD	EAST CONCORD	14055	NY
21-14-0265	ELLS, LEWIS H.	TWO ROD ROAD	EAST AURORA	14052	NY
21-14-0282	LUDERS, HARLAN	SCHULTZ ROAD	ELMA	14059	NY
21-14-0293	SPAULDING, LYLE HD. 1	DOMES ROAD	EAST CONCORD	14055	NY
21-14-0294	PINE GROVE FARMS 2	L.I. BROWN TWOROD	EAST AURORA	14052	NY
21-14-0296	SMITH, LEON & SONS	PRATHAM ROAD	EAST CONCORD	14055	NY
21-14-0305	KRAMER BROTHERS	HOLLAND GLENWOOD R	HOLLAND	14080	NY
21-14-0345	LOCH LEE FARM 2	12617 BROADWAY	ALDEN	14004	NY
21-14-0347	HAWLEY, ROBERT J.	CORNWALL ROAD	SOUTH WALES	14139	NY
21-14-0348	GREATBATCH, JOHN	ROUTE 5	AKRON	14001	NY
21-14-0349	M & D FARM	ROUTE 39	CHAFFEE	14030	NY
21-14-0357	PERRIN, THOMAS D.	CENTERLINE ROAD	SOUTH WALES	14139	NY
21-14-0415	WINKEY, THEODORE J.	ROUTE 39	SARDINIA	14134	NY
21-14-0439	SCHELBLE, ROBERT	ALLEN ROAD	EAST CONCORD	14055	NY
21-14-0453	EMERLING, BERNARD	EMERLING RD	SPRINGVILLE	14141	NY
21-14-0468	BOCKHAHN BROTHERS	GENESE RD	EAST CONCORD	14055	NY
21-14-0520	WIEDEMANN, ALAN H.	CURRIERS ROAD	CHAFFEE	14030	NY
21-14-0580	ROSS, RICHARD B.	FOSTER RD.	GOWANDA	14070	NY
21-14-0798	RUPP, L. A. AND SON	OSTRANDER ROAD	EAST AURORA	14052	NY
21-14-0878	HANDY, WESLEY W. & FRED	ELDRIDGE ROAD	EAST AURORA	14052	NY
21-15-0012	CLARK, DARWIN 3RD	BOX 47	WHALLONSBURG	12994	NY
21-15-0269	WEST, JOHN A.		WILLSBORO	12996	NY
21-16-0017	BOVA, FRED		BURKE	12917	NY
21-16-0027	AUBREY, DAVID	RT 2	BURKE	12917	NY
21-16-0039	NORTHERN-GLD FARM	R 2 BOX 11	NORTH BANGOR	12966	NY
21-16-0048	COOK, JAMES	R F D 1	BURKE	12917	NY
21-16-0091	BROCKWAY, FLOYD & SON	ROUTE 1	FORT COVINGTON	12937	NY
21-16-0108	SILVER DAWN DAIRY	ROUTE 2 M. REYNOLD	BURKE	12917	NY
21-16-0173	EGAN, JAMES	ROUTE 2	NORTH BANGOR	12966	NY
21-16-0195	DEBYAH, LEROY	ROUTE 1	NORTH BANGOR	12966	NY
21-16-0205	RICHARDS, BERNARD	BOX 100	BRUSHTON	12916	NY
21-16-0215	COLLINS HI-VIEW FARM	ROUTE 1	MALONE	12953	NY
21-16-0227	ORTON, EDWIN	R D 2	NORTH BANGOR	12966	NY
21-16-0235	SHERMAN, ROBERT	R 1	CONSTABLE	12926	NY
21-16-0237	DAVIS, PETER	R.D.	CHATEAUGAY	12920	NY
21-16-0285	HEAVEN HILL FARM		LAKE PLACID	12946	NY
21-16-0319	TUTTLE FARMS-HERD 1	R 2	NORTH BANGOR	12966	NY
21-16-0381	CHILD, ALLEN	ROUTE 2	MALONE	12953	NY
21-16-0389	ZWICKER FARMS	R F D 3	MALONE	12953	NY
21-16-0472	DIMOND, JAMES F.		FORT COVINGTON	12937	NY
21-16-0510	DEBEER, MICHAEL	STAR ROUTE	NORTH BANGOR	12966	NY
21-18-0010	MY T ACRES HERD 1	8127 LEWISTON ROAD	BATAVIA	14020	NY
21-18-0012	BRUNING, DONALD	TESNOW RD	AKRON	14001	NY
21-18-0014	CASPER, HAROLD	R D 3	BATAVIA	14020	NY
21-18-0106	IVISON, HOMER	IVISON RD	SOUTH BYRON	14557	NY
21-18-0172	KING FRANK J.	6262 BYRON ELBA RD	BYRON	14422	NY
21-18-0276	REYNOLDS, EDWARD	ROUTE 77	CORFU	14036	NY
21-18-0281	G L G ACRES	1232 INDIAN FALLS	CORFU	14036	NY
21-18-0296	PENGELLY, WILLARD	LAKE ROAD	BERGEN	14416	NY
21-18-0304	IVISON, KENNETH HD 1		SOUTH BYRON	14557	NY
21-18-0313	PERRIN, DONALD R.	2825 DODGESON RD.	ALEXANDER	14005	NY
21-18-0314	DANSER, DONALD	2533 BROWN ROAD	CORFU	14036	NY
21-18-0417	ACOMB, ROBERT & MARJORIE	RT 5 ACOMB FARM	STAFFORD	14143	NY
21-18-0427	SNELL, ROGER	AIRVILLE RD	CORFU	14036	NY
21-18-0464	KLOTZBACH BRD.	R D 1	CORFU	14036	NY
21-18-0648	SHUKNECHT BROS.	LOCKPORT RD.	ELBA	14058	NY
21-18-0965	HAHN, GEORGE V.	5982 MERRILL ROAD	BYRON	14422	NY
21-19-0028	OLIVER, HENRY L.		PRATTSVILLE	12468	NY
21-19-0042	RATH, KARL HEINZ	R D	COXSACKIE	12051	NY
21-19-0061	PARTRIDGE, ALFRED,HD1		EAST DURHAM	12423	NY
21-19-0067	AUGSTEIN, P. AND R.	R D 1 BOX 165	GREENVILLE	12083	NY
21-19-0084	PARTRIDGE, FRANCES		EAST DURHAM	12423	NY
21-19-0103	BRABANT, ROBERT	R D 1	PRATTSVILLE	12468	NY
21-19-0104	LANGE, DORTHEE	GAYHEAD ROUTE	LEEDS	12451	NY
21-19-0112	CONINE, EVERETT	R F D	PRATTSVILLE	12468	NY
21-19-0113	BEAR, ORLOFF		GREENVILLE	12083	NY
21-19-0115	FARBER, JOHN J.	R F D JJF FM	EAST JEWETT	12424	NY
21-19-0121	HULL, FRANK		DURHAM	12422	NY
21-20-0002	CASLER, IRVING	R D 3	LITTLE FALLS	13365	NY
21-20-0003	WICHOWSKY, STANLEY	R D 1	FORT PLAIN	13339	NY
21-20-0030	JOHNSON, ROBERT	ROUTE 1	ILION	13357	NY
21-20-0063	KAPALA, MATTHEW	R D 3	LITTLE FALLS	13365	NY
21-20-0064	DEMEREE, GEORGE	R D 3	LITTLE FALLS	13365	NY
21-20-0085	SHLOTZHAUER, R. H.	R D 1	MOHAWK	13407	NY
21-20-0088	WINDECKER, LEROY	R D 3	FRANKFORT	13340	NY
21-20-0095	MANOR FARM	R D 1	LITTLE FALLS	13365	NY

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP-CODE	STATE
		.... A D D R E S S O F O W N E R			
21-20-0126	KAPALA, WILLIAM	R D 1	FORT PLAIN	13339	NY
21-20-0129	MOWER, EDWARD	RD 1	JORDANVILLE	13361	NY
21-20-0156	LOCUST GROVE FARM	R D 3 STUART UPSON	FRANKFORT	13340	NY
21-20-0161	GILBERT, LEONARD	R D 1	MOHAWK	13407	NY
21-20-0173	ALLEN, MADISON G.	STAR ROUTE	WEST WINFIELD	13491	NY
21-20-0192	MANOR SPRINGS	R D 1	LITTLE FALLS	13365	NY
21-20-0200	TELSTAR FARMS	R D 2 CHLUS BROS.	LITTLE FALLS	13365	NY
21-20-0204	BURDICK, GLENN C.	ROUTE 1	WEST WINFIELD	13491	NY
21-20-0212	BRACE, EUGENE HOWARD	ROUTE 1	WEST WINFIELD	13491	NY
21-20-0228	LAMANNA, CARMEN J.	MANAVALE FM R D 2	LITTLE FALLS	13365	NY
21-20-0256	SLAUGHTER, ROGER	R D 1	ILION	13357	NY
21-20-0259	BUBB, ROBERT	RD2 BUBB'S KNOLL	LITTLE FALLS	13365	NY
21-20-0283	BURKE, BRADLEY	R#2	WEST WINFIELD	13491	NY
21-20-0383	MALLYDALE FARM	R D 1	LITTLE FALLS	13365	NY
21-20-0532	KENDALEN FARM	R D 2	WEST WINFIELD	13491	NY
21-20-0536	DAVY, F. DAVID, JR.	R D 1	FORT PLAIN	13339	NY
21-20-0615	MANHEIM FARMS	R D 1	LITTLE FALLS	13365	NY
21-20-0913	HAUGHTON, PALMER	RFD 1	LITTLE FALLS	13365	NY
21-21-0039	CALL, CLARENCE	ROUTE 1	EVANS MILLS	13637	NY
21-21-0048	HUNTER, ROSCOE & ALAN		REDWOOD	13679	NY
21-21-0094	AUBERTINE, P. AND T.		CAPE VINCENT	13618	NY
21-21-0097	LITTLEFIELD, CLARENCE M.	R D 1	WATERTOWN	13601	NY
21-21-0103	MCINTYRE, WILLIAM A.	ROUTE 2	THERESA	13691	NY
21-21-0111	CADY, CHARLES F.	RFD 1	SACKETS HARBOR	13685	NY
21-21-0114	BEDOR, J W	43 NORTH PARK STRE	ADAMS	13605	NY
21-21-0151	BROWN, HOWARD A.	R D 2	MANSVILLE	13661	NY
21-21-0239	BARNEY, RICHARD		WODOVILLE	13698	NY
21-21-0248	MACHOLD, H. E.		ELLISBURG	13636	NY
21-21-0259	SHELMIDINE, DONALD W.	R D 1	ADAMS	13605	NY
21-21-0271	ALFORD, HARVEY	RD 2	MANNSVILLE	13661	NY
21-21-0285	WHITECREST FARM	RD 1	ADAMS	13605	NY
21-21-0297	BOURDUIN, CHARLES	RD 1	CAPE VINCENT	13618	NY
21-21-0306	DORR FARMS	R D 1 RICHARD DORR	BLACK RIVER	13612	NY
21-21-0309	EVELEIGH, BERNARD	R D 1	MANNSVILLE	13661	NY
21-21-0352	WOODRUFF, LAWRENCE	ROUTE 2	WATERTOWN	13601	NY
21-21-0359	EASTMAN, WILLIAM G.	STAR RT	ELLISBURG	13636	NY
21-21-0361	PORTER, GLENN C.	AYRSHIRE R D 3	WATERTOWN	13601	NY
21-21-0374	BAST, E. KENNETH	STAR RT.	ELLISBURG	13636	NY
21-21-0411	NOHLE, RALPH & DONNA	STAR ROUTE	ADAMS	13605	NY
21-21-0427	MITCHELL, H. BEN		LAFARGEVILLE	13656	NY
21-21-0430	TIMERMAN, CLIFTON FM 2	ROUTE 1	LA FARGEVILLE	13656	NY
21-21-0448	ZEHR, JOHN W.		WODDVILLE	13698	NY
21-21-0508	HALKO, CARL	ROUTE 2	WATERTOWN	13601	NY
21-21-0526	KIECHLE, CARL L.	ROUTE 1	PHILADELPHIA	13673	NY
21-21-0541	SOURWINE, FREDRICK	R F D	ALEXANDRIA BAY	13607	NY
21-21-0556	FIELDS, FREDERICK A.	STAR ROUTE	SACKETS HARBOR	13685	NY
21-21-0559	OVERTON, R. M.	RFD 1	ADAMS	13605	NY
21-21-0572	ADAMS, WILFORD H.		DEXTER	13634	NY
21-21-0586	CENTER DALE FARM 2	RT 1	BLACK RIVER	13612	NY
21-21-0589	SAWYER, RAYMOND F.	ROUTE 2	WATERTOWN	13601	NY
21-21-0616	MEAD, WILBUR AND LARRY	STAR ROUTE	ADAMS	13605	NY
21-21-0630	MILLER, RICHARD L.	ROUTE 2	CARTHAGE	13619	NY
21-21-0645	FINNEY, JANICE & PETER	STAR ROUTE	ADAMS	13605	NY
21-21-0647	PORTER, GLENN C.	HOLSTEIN RD 3	WATERTOWN	13601	NY
21-21-0773	LAWRENCE BROTHERS	RD 1	CAPE VINCENT	13618	NY
21-21-0820	SAWYER, DONALD H.	R D 2	WATERTOWN	13601	NY
21-21-0883	JACKSON, MAE	RD 1	SANDY CREEK	13145	NY
21-21-0914	SHIMEL, H. FOSTER & SON	ROUTE 2	LA FARGEVILLE	13656	NY
21-21-0945	DEER LICK FARM		CAPE VINCENT	13618	NY
21-22-0005	HILL, BERNARD	R D 2	LOWVILLE	13367	NY
21-22-0024	GILLETTE, TOM	ROUTE 1 KLER-VU FM	TURIN	13473	NY
21-22-0045	WILBERT, NORBERT	BALSAM ACRES	WEST LEYDEN	13489	NY
21-22-0049	MAROLF, WAYNE	ROUTE 1	COPENHAGEN	13626	NY
21-22-0112	A.W.-PONDEROSA	R D 1	COPENHAGEN	13626	NY
21-22-0148	WIDRICK, AARON A.	R D 2	LOWVILLE	13369	NY
21-22-0150	BEYER, PHILIP A	R D 1 CRESTLAWN FA	CASTORLAND	13620	NY
21-22-0172	MAROLF, NELSON	ROUTE 1	CASTORLAND	13620	NY
21-22-0201	WIDRICK, NELSON	ROUTE 1	CROGHAN	13327	NY
21-22-0203	ZEHR, ROBERT	R D	CROGAN	13327	NY
21-22-0233	VANALSTINE, GALE	RD	LYONS FALLS	13368	NY
21-22-0237	RHUBART, LARRY		TURIN	13473	NY
21-22-0328	MURCH, DAVID	RD1 SILVERWOOD FAR	LOWVILLE	13367	NY
21-22-0580	FARNEY, HERBERT & WILBUR		LOWVILLE	13367	NY
21-22-0581	PETERSON, ROBERT	R D 2	LOWVILLE	13367	NY
21-22-0583	SCHNEIDER, H. AND R.	R D 1	LOWVILLE	13367	NY
21-23-0015	COLLINS BROTHERS	RD 1	AVON	14414	NY
21-23-0060	LAWNEL VALLEY VW FM		PIFFARD	14533	NY
21-23-0095	WEEWOOD FARMS	RD	CALEDONIA	14423	NY
21-23-0135	BRIGGS, EDWIN	R D 1	WAYLAND	14572	NY
21-23-0150	DONNAN AND DONNAN		PIFFARD	14533	NY
21-23-0162	SMITH, ROGER	R.D. 1	LIMA	14485	NY
21-23-0189	BONNER, LOREN	RD 3	DANSVILLE	14437	NY
21-23-0201	KURTZ, WILLIAM B.		LIVONIA	14487	NY
21-23-0218	SUNBURST ACRES	CURRY & SNS BOX 49	YORK	14592	NY
21-23-0245	BOVEE, KENNETH AND SON	CASEY ROAD	CALEDONIA	14423	NY

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP-CODE	STATE
21-23-0256	MCEVOY FARMS 2	7613 TOWNLINE ROAD	LIMA	14485	NY
21-23-0263	THOMPSON, GERALD	R D 1	HUNT	14846	NY
21-23-0266	CICERO, JOSEPH A. & SON	CADYVILLE ROAD	LAVONIA	14487	NY
21-23-0280	DELAVERGNE, JUDY & CHARL	RD 1 GALNEY FARM	DANSVILLE	14437	NY
21-23-0476	MULLIGAN FARM INC.	R D 1	AVON	14414	NY
21-23-0490	NAGEL, FREDERICK	R D	PIFFARD	14533	NY
21-23-0491	WYAND, EUGENE	RD	CALEDONIA	14423	NY
21-23-0590	PATRICK, L. AND R.		PERRY	14530	NY
21-23-0810	ANDERSON, J. D.	AGAR RD.	AVON	14414	NY
21-23-0811	COYNE FARMS	R D 1	AVON	14414	NY
21-23-0814	PEASE, GERALD	LIMA ROAD	GENESEO	14454	NY
21-23-0937	NOBLEHURST FARMS	RD 2	PAVILION	14525	NY
21-23-0976	PARNELL, STEWART		PIFFARD	14533	NY
21-24-0016	TAYNTOR, ROBERT	R D 1	MORRISVILLE	13408	NY
21-24-0029	MEADOWS FARM	ATT N WEBBER R D 2	CAZENOVIA	13035	NY
21-24-0047	BREWER FARM	R D 1	ONEIDA	13421	NY
21-24-0048	EAVES, SCOTT	R D 2	EARLVILLE	13332	NY
21-24-0058	AMES, RICHARD & MARSHA	BOX 104	EATON	13334	NY
21-24-0061	HEADLINE FARMS	R D 2	WATERVILLE	13480	NY
21-24-0090	HIRT, THOMAS	RD 1	NEW WOODSTOCK	13122	NY
21-24-0093	HAVENS, DONALD	R D 1	WEST EDMESTON	13485	NY
21-24-0125	JONES, HARLAN W.	R D 3	CAZENOVIA	13035	NY
21-24-0130	CURTIS, RUSSELL AND SONS	R D 3	CAZENOVIA	13035	NY
21-24-0239	WASHBON, DONALD F.	R D 3	CAZENOVIA	13035	NY
21-24-0312	WOODCOCK, LOUIS L.	R D 1	EATON	13334	NY
21-24-0333	GEISLER, WALTER & DONNA	R D 1	MUNNSVILLE	13409	NY
21-24-0337	BURKERT, ELMER J.	R D 1	BOUCKVILLE	13310	NY
21-24-0350	OSTER, RONALD	R D 3 BOX 43	CANASTOTA	13032	NY
21-24-0357	FALES, PHILLIP C	R D 2	HAMILTON	13346	NY
21-24-0361	SMITH, ROSS R.	VALLEY MILLS RD R	MUNNSVILLE	13409	NY
21-24-0380	CURTIN BROTHERS	WEST ROAD R D 2	ONEIDA	13421	NY
21-24-0384	TOPMEAD FARMS	R3 LESTER LONG & S	CANASTOTA	13032	NY
21-24-0398	ELLIOTT, JAMES	TUDMAN RD.	WESTMORELAND	13490	NY
21-24-0403	CARHART, E. L. & SONS	SMITH ROAD R D 1	HAMILTON	13346	NY
21-24-0405	BUSH, LOUIS	R D 2	CAZENOVIA	13035	NY
21-24-0414	BARNES, CEDRIC M. JR.	R D 1	DERUYTER	13052	NY
21-24-0436	DERAWAY, NEIL L.	R D 2	MUNNSVILLE	13409	NY
21-24-0451	TRUAX MALCOLM	WATER STREET RD1	ORISKANY FALLS	13425	NY
21-24-0460	YASGUR FARMS 3	ATT-RAY BROWN RD2	MORRISVILLE	13408	NY
21-24-0491	HEADSON HOLSTEINS	R D 2	WATERVILLE	13480	NY
21-24-0495	NYS AGRIC. TECH. COLLEGE	BOX P	MORRISVILLE	13408	NY
21-24-0630	ECCLESTON, C. A.	BROAD STREET	HAMILTON	13346	NY
21-24-0657	KELSEY, FRANCIS & SONS	R D 4	CANASTOTA	13032	NY
21-24-0661	JUDD, STANLEY H.	R D 1	DE RUYTER	13052	NY
21-24-0671	EVANS, GERALD	R F D 1	GEORGETOWN	13072	NY
21-24-0707	FISHER FARMS-2	R D 4	CANASTOTA	13032	NY
21-24-0876	TRASK, PRESTON E.		HAMILTON	13346	NY
21-24-0894	SHEPARD, DAVE & DON	R D 1	CAZENOVIA	13035	NY
21-24-0933	NOWERLAND FARMS-I	R D 2	HAMILTON	13346	NY
21-24-0966	SNOW, C. W. AND SONS	STAR ROUTE	NORTH BROOKFIELD	13418	NY
21-24-0994	HOLMES, EDMUND L.	R D 1	NEW WOODSTOCK	13122	NY
21-24-0996	HOLMES, M. C. AND SON	R D 3	CAZENOVIA	13035	NY
21-25-0015	STATE AGRIC. & IND. SCH.	SCOTTSVILLE RUSH R	INDUSTRY	14474	NY
21-25-0038	KEBERLE, RAY AND BILL	2546 CHURCH ROAD	HAMLIN	14464	NY
21-25-0179	EHRMENTRAUT, JAMES	84 SOUTH MAIN ST	CHURCHVILLE	14428	NY
21-25-0217	GONSENHAUSER, MARK J.	1575 WINTON RD SOU	ROCHESTER	14618	NY
21-25-0561	DENNICREST FARM	1920 GLORIA DRIVE	FAIRPORT	14450	NY
21-25-0791	SMITH, GEORGE AND LES	276 COLBY ROAD	SPENCERPORT	14559	NY
21-26-0017	ZELSON FARMS	R D 3	FORT PLAIN	13339	NY
21-26-0031	SAMMONS, R. & V. FM 1	R D 1	JOHNSTOWN	12095	NY
21-26-0041	STOCKWELL BROTHERS	R D 3	FORT PLAIN	13339	NY
21-26-0054	RUSSELL, LINCOLN	R D 1	LITTLE FALLS	13365	NY
21-26-0085	FRAISER, PAUL	R D I	JOHNSTOWN	12095	NY
21-26-0096	WEAKLEY BROTHERS	R D 2	CANAJOHARIE	13317	NY
21-26-0127	MICHALIK, EDWARD	R D 3	FORT PLAIN	13339	NY
21-26-0194	HARRIS, RICHARD	R D 1	SPRAKERS	12166	NY
21-26-0222	LENWORB FARM	R D I ATT FRED CAR	JOHNSTOWN	12095	NY
21-26-0267	MUELLER, RICHARD	R D 1	ST JOHNSVILLE	13452	NY
21-26-0273	LASHER, PAUL	R D 1	FONDA	12068	NY
21-26-0275	BAER, FRED	R D 1	PALATINE BRIDGE	13428	NY
21-26-0286	MEYERS, RICHARD	R D 1	CANAJOHARIE	13317	NY
21-26-0290	TRIUMPHO, RICHARD	R D 1	SAINT JOHNSVILLE	13452	NY
21-26-0298	FRASIER, MYRON	R D 1	JOHNSTOWN	12095	NY
21-26-0320	FRANCISCO, SUSAN	R D 2	AMSTERDAM	12010	NY
21-26-0330	SACKETT & BARGSTEDT HD 1	HIGH VALLEY FM. RD	AMSTERDAM	12010	NY
21-26-0341	HANDY, KEITH & SON	R D 1	FORT PLAIN	13339	NY
21-26-0358	MC NINNEY, ORSON	R D 1	FULTONVILLE	12072	NY
21-26-0369	VANLOAN, GRANT W.	R D 3	FORT PLAIN	13339	NY
21-26-0377	GARDNER, DAVID	RD2	CANAJOHARIE	13317	NY
21-26-0394	POHLS, DETLEF	DEEIPO FARMS	ESPERANCE	12066	NY
21-26-0395	BUNKER, SETH	R D 2 CREEK ACRES	AMSTERDAM	12010	NY
21-26-0399	RIDGEDALE	WILLIS CONARD RD2	SHARON SPRINGS	13459	NY
21-26-0406	ARMITSTEAD, WILLIAM	R D 3	FORT PLAIN	13339	NY
21-26-0408	DOUMA, WILLIAM	R D 3	FORT PLAIN	13339	NY
21-26-0429	KANE, DAVID & ERNEST	GLEN ACRES FARM RD	FULTONVILLE	12072	NY

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	........ADDRESS OF OWNER........ STREET OR ROUTE	TOWN	ZIP-CODE	STATE
21-26-0457	HUNT, FRANKLIN	R D 1	SRRAKERS	12166	NY
21-26-0461	MEAD, WARREN AND SON	R D 2	AMSTERDAM	12010	NY
21-26-0512	REED SWISS FARM	R D 1	JOHNSTOWN	12095	NY
21-26-0551	MODEL DAIRY FARM	R D 1	GLOVERSVILLE	12078	NY
21-26-0675	ANGEHITE FARM	R D 1	FORT PLAIN	13339	NY
21-26-0741	FOX, KENNETH	R D 1	FONDA	12068	NY
21-26-0789	EGLESTON, RALPH	R D 1	FULTONVILLE	12072	NY
21-26-0798	RHILLIRS, RONALD H.	R D 1	RATTERSONVILLE	12137	NY
21-26-0805	MACE, ROBERT	R D 1	SPRAKERS	12166	NY
21-26-0848	ELLSWORTH, WALTER	R D	RALATINE BRIDGE	13428	NY
21-26-0906	SHORT, DONALD	R D 1	CANAJOHARIE	13317	NY
21-26-0941	SCOTT, MICHAEL	R D 1	AMSTERDAM	12010	NY
21-26-0959	SMITH, DONALD	R D 1	CANAJOHARIE	13317	NY
21-26-0975	HODGE, MERLE		AMES	13317	NY
21-28-0007	KLUMPR, ELMER & SONS	HESS ROAD	APRLETON	14006	NY
21-28-0051	MCCOLLUM, ROBERT & WALTE	RD 2	LOCKRORT	14094	NY
21-28-0060	MILLEVILLE, WILBERT&SONS	2106 CAYUGA DR EX	NIAGARA FALLS	14300	NY
21-28-0076	MAVERICK FM 1 L. KOWALSK	R D 4	LOCKPORT	14094	NY
21-28-0124	REDOAK JER FM L+R WIERER	3229 RANDALL RD.	RANSOMVILLE	14131	NY
21-28-0277	NEWROYAL FARMS	6672 WHEELER ROAD	LOCKPORT	14094	NY
21-28-0301	MCCOLLUM HOLSTEIN FARMS	R D 2	GASPORT	14067	NY
21-28-0518	MANN, JOHN A.	5780 RIDGE ROAD	LOCKPORT	14094	NY
21-28-0539	PATTERSON, CARL	R D 1	GASRORT	14067	NY
21-28-0541	SWEENEY, JOHN E. SR.	7367 WEST SOMERSET	APPLETON	14008	NY
21-28-0982	MARCKS, HAROLD	RD 1	WILSON	14172	NY
21-29-0012	TYLER, GEORGE F.	ELMER HILL ROAD	ROME	13440	NY
21-29-0017	BURNS BROTHERS	RFD 1	VERNON CENTER	13477	NY
21-29-0055	GRENHOLM FARM 1	R D 1	BLOSSVALE	13308	NY
21-29-0094	ALKIR FARM	7406 TOWNLINE ROAD	ROME	13440	NY
21-29-0123	JONES, ROY & MAURICE	R D 2	REMSEN	13438	NY
21-29-0126	REGNER, DELWIN	RD 2	ONEIDA	13421	NY
21-29-0132	TOWNSEND, MAX AND CARL	789 SUMMIT RD	PARIS STATION	13430	NY
21-29-0194	LAW, WILLIAM M.	RD 1	WESTERNVILLE	13486	NY
21-29-0217	ENGELBRECHT, RICHARD	R.D. 1	MADISON	13402	NY
21-29-0269	LALLIER, LOUIS R.	SNOWDEN HILL ROAD	NEW HARTFORD	13413	NY
21-29-0287	WILLIAMS, GEORGE S.		WEST WINFIELD	13491	NY
21-29-0308	HARRISON, EDWIN S. JR.		CAMDEN	13316	NY
21-29-0322	BIENICK, FRANKLIN	R D 2	BOONVILLE	13309	NY
21-29-0348	TUTHILL, LESLIE AND VERN	CEMETERY ROAD	LEE CENTER	13363	NY
21-29-0349	KAMINSKI, WALTER M.	9321 BUTLER RD.	SAUGUOIT	13456	NY
21-29-0363	CHANDLER, VERNON	RD 1	VERNON CENTER	13477	NY
21-29-0369	MORGAN, RALRH W.	897 SULPHUR SPRGS	SAUQUOIT	13456	NY
21-29-0370	NORTON, ELMER C.	1302 HILLSBORO RD	CAMDEN	13316	NY
21-29-0384	VAN LIESHOUT, HENRY & LE	RD 1 BRABANT FM.	VERONA	13478	NY
21-29-0389	CLARK, FLOYD	HILLSBORO ROAD	CAMDEN	13316	NY
21-29-0402	WATKINS, KEITH & SONS	AUGUSTA SOLSVILLE	ORISKANY FALLS	13425	NY
21-29-0403	RALEN, WILLARD	R D 1	BLOSSVALE	13308	NY
21-29-0404	MIEREK, RETER	R D 1 MIEREK MEADO	WESTERNVILLE	13486	NY
21-29-0418	MONDRICK, NICK	R.D.1	LEE CENTER	13363	NY
21-29-0419	MARTIN, JON K.	SUMMIT RD.	WATERVILLE	13480	NY
21-29-0429	CHAPMAN, CARL W.	MAXWELL RD.	CLINTON	13323	NY
21-29-0435	YASGUR FARMS 5	R D 2	MUNNSVILLE	13409	NY
21-29-0466	MOSHER, PAUL AND NATHAN	RD 2	VERONA	13478	NY
21-29-0556	JONES BROTHERS	RD 1	REMSEN	13438	NY
21-29-0624	GRENHOLM FARM 2	R D ATT R. COLLINS	BLOSSVALE	13308	NY
21-29-0743	ROBERTS, IDWAL	RD 1	HOLLAND PATENT	13354	NY
21-29-0772	ECKEL, JAMES & AARON	R D 1	BLOSSVALE	13308	NY
21-29-0800	SCHALLENBERG, ROLAND		WESTERNVILLE	13486	NY
21-29-0802	VAN VECHTEN, ARTHUR JR.	R F D 1	VERONA	13478	NY
21-29-0852	VANDEWALKER, WILLIAM J.	RFD 1	LEE CENTER	13363	NY
21-29-0905	SHOLTZ, FLOYD & SON	R D 2	ONEIDA	13421	NY
21-29-0997	EDDY, JOHN	R D 3	ROME	13440	NY
21-30-0010	HORSFORD FARMS	RD 1	MARCELLUS	13108	NY
21-30-0012	HOUCK, RICHARD	RFD 2	MANLIUS	13104	NY
21-30-0014	FISHER, FLOYD	RD 2	SYRACUSE	13200	NY
21-30-0023	HILL, ROBERT W.	R D 1	ELBRIDGE	13060	NY
21-30-0031	HUDSON, A. W. AND SONS	MANORCREST FARMS	CAMILLUS	13031	NY
21-30-0033	BETTINGER, ARTHUR	GREEN LAKE ROAD	KIRKVILLE	13082	NY
21-30-0079	VENIER, HENRY	9 SECOND AVE.	BRENTWOOD	11717	NY
21-30-0095	BARDWELL, ROY & ROBERT	R D 1	TULLY	13159	NY
21-30-0141	RISSER, WILLIAM C.	HERLIHY ROAD R D 2	TULLY	13159	NY
21-30-0154	LONG, JOHN R	75 WARREN STREET	TULLY	13159	NY
21-30-0189	CRACKYS FARMS	R D 1	FABIUS	13063	NY
21-30-0192	COYE, DONALD		JAMESVILLE	13078	NY
21-30-0200	FRAZEE, JAMES	RD 1	FABIUS	13063	NY
21-30-0201	CRYSLER BROTHERS	R D 1	MARCELLUS	13108	NY
21-30-0202	GATES HOMESTEAD FARM	RD 1	CHITTENANGO	13037	NY
21-30-0203	HOUCK, LELAND M.	RFD 2	TULLY	13159	NY
21-30-0303	HARKNESS, JAMES & JERRY	R D 2	MARCELLUS	13108	NY
21-30-0345	COX BROTHERS VALLEY FARM	3454 PEASANTVALLEY	SYRACUSE	13215	NY
21-30-0348	BENDER, M. PHILLIP	R D 1 KINGDOM ROA	BALDWINSVILLE	13027	NY
21-30-0349	CATES, RAYMOND	OTISCO VALLEY RD	PREBLE	13141	NY
21-30-0358	SILVER SRRING FARMS	4358 BUSSEY ROAD	SYRACUSE	13215	NY
21-30-0407	CLEVERLEY, JAMES & SONS	AIRY RIDGE FARM	WARNERS	13164	NY
21-30-0532	KNARR, DONALD & SON	R D 1	FABIUS	13063	NY

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	. . . . A D D R E S S STREET OR ROUTE	O F O W N E R TOWN	. . . . ZIP-CODE	STATE
21-30-0561	WHEELER, RAYMOND	RD 1	MARIETTA	13110	NY
21-30-0574	VOLLES, RAYMOND	RD 1	MARIETTA	13110	NY
21-30-0638	EIBERT, CLARENCE ESTATE	R D 1	MARIETTA	13110	NY
21-30-0665	ENGST, ORVILLE FM 1		CUYLER	13050	NY
21-30-0672	EVERINGHAM, ROBERT	GATES RD	LA FAYETTE	13084	NY
21-30-0695	FENLON BROTHERS	RD 1	TULLY	13159	NY
21-30-0821	COWLES, YALE AND SON	R D 1	MARIETTA	13110	NY
21-30-0854	HAYNES FARM	R D 1	TULLY	13159	NY
21-30-0919	AUNGIER, BERNARD		LA FAYETTE	13084	NY
21-30-0960	MAPLE COVE FARM	RD 2	MANLIUS	13104	NY
21-30-0976	CREGO, WILLIAM	R D 4	BALDWINSVILLE	13027	NY
21-30-0977	SOMES, BARTON & GARY HD1	R D 1	MEMPHIS	13112	NY
21-31-0002	BROCKLEBANK, EDWARD	R D 3	CANANDAIGUA	14424	NY
21-31-0019	PAYNE BROTHERS		SHORTSVILLE	14548	NY
21-31-0045	WEIGERT, ROBERT	P O 1 BOX 181	MACEDON	14502	NY
21-31-0048	ARNOLD, WESLEY C.	BOX 153	CANANDAIGUA	14424	NY
21-31-0049	ROBY, VANCE	R D	IONIA	14475	NY
21-31-0064	OUTHOUSE, RICHARD	R D 3	CANANDAIGUA	14424	NY
21-31-0085	JENSEN, DONALD	RD2 LAWNHURST FMS	STANLEY	14561	NY
21-31-0094	SULLIVAN, JAMES	7482 MAIN ST. WEST	HOLCOMB	14469	NY
21-31-0104	SHOEMAKER, DAVID	R D 2 FARVIEW FARM	CLIFTON SPRINGS	14432	NY
21-31-0147	OESTREICH, PHILIP	R D 2	CANANDAIGUA	14424	NY
21-31-0192	LINCOLN, JOHN	R D 1	HOLCOMB	14469	NY
21-31-0200	DECOOK, IRVING AND SONS	R D 1 SMITH ROAD	CLIFTON SPRINGS	14432	NY
21-31-0221	YAUTZEY BROTHERS	RD 1	STANLEY	14561	NY
21-31-0234	GILLAM BROTHERS	RD 2	CLIFTON SPRINGS	14432	NY
21-31-0239	CLARK, WILLIAM	28 JOHNSON ROAD RD	PALMYRA	14522	NY
21-31-0261	SCHUTT, HAROLD	RFD 4	CLIFTON SPRINGS	14432	NY
21-31-0286	WILEY, FRANK	RFD 1	VICTOR	14564	NY
21-31-0305	BENNETT FMS ATT D KIMBAL	R D 2	HOLCOMB	14469	NY
21-31-0394	HAYTON, EDWARD	RD1	STANLEY	14561	NY
21-31-0429	FACER, RUSSELL	FACER FARMS RD 1	PHELPS	14532	NY
21-31-0431	THOMPSON, DONALD & WANDA	R D 3 HOPKINS ROA	CANANDAIGUA	14424	NY
21-31-0432	NEDROW, JAMES	R D 2	CLIFTON SPRINGS	14432	NY
21-31-0441	WALKER, CHARLES	R D 2	GENEVA	14456	NY
21-31-0450	KNOPF, BERNARD	R D 3	CANANDAIGUA	14424	NY
21-31-0454	DUVALL, JOHN HILLSONG FM	7051 CHERRY ST.	VICTOR	14564	NY
21-31-0525	NORTH BROTHERS	RD 2	VICTOR	14564	NY
21-31-0601	PECK, ELMER	RD 1	NEWARK	14513	NY
21-31-0621	DURWICK-FARM	RD2 ATT FRED DURKE	CLIFTON SPRINGS	14432	NY
21-31-0661	PRITCHARD BROTHERS	R D 4	CANANDAIGUA	14424	NY
21-31-0693	REED, ALBERT	RD 1	CLIFTON SPRINGS	14432	NY
21-31-0736	DEMAY, MAYNARD & GORDON	RD 1 EMPIRE FARMS	PALMYRA	14522	NY
21-31-0738	INGLIS HOLSTEINS	RD 2	CLIFTON SPRINGS	14432	NY
21-31-0754	ROBSON, C. GAGE HD 1	RFD 1	GENEVA	14456	NY
21-31-0939	CROUCH, GLENN	RD 2	GENEVA	14456	NY
21-32-0003	PARADISE VALLEY FARM	RD 1	GOSHEN	10924	NY
21-32-0014	HOWELL, WILLIAM S.	R D 1	NEW HAMPTON	10958	NY
21-32-0026	HANSEN, ALBERT		JOHNSON	10933	NY
21-32-0031	WISNER FARMS, INC.	R D 1	WARWICK	10990	NY
21-32-0054	COSH, ARTHUR W.		UNIONVILLE	10988	NY
21-32-0092	DEMBERG, ERWIN & RICHARD	R D 1	WESTTOWN	10998	NY
21-32-0094	BROWN, LEON	R D 1	WESTTOWN	10998	NY
21-32-0096	ZAPPAVIGNA REGISTERED HD	RT 207	CAMPBELL HALL	10619	NY
21-32-0097	JOHNSON, C. F. AND SON	BOX 277	CHESTER	10918	NY
21-32-0102	SMILEY, WILLIAM	RD 2	MIDDLETOWN	10940	NY
21-32-0109	SMITH, MARTIN D.	BLACK MEADOW ROAD	CHESTER	10918	NY
21-32-0124	FOX, ROBERT C.		ROCK TAVERN	12575	NY
21-32-0139	MENENDEZ, M. AND SONS	RD 2	WALDEN	12586	NY
21-32-0142	HEEREMA, CORNELIUS	R D 1 BOX 42	WALDEN	12586	NY
21-32-0158	FOREMNY, FRANK	RESERVOIR RD. RD 1	GOSHEN	10924	NY
21-32-0160	GREISING, RAYMOND	R D 1	PINE BUSH	12566	NY
21-32-0168	GIBBS, ALFRED		JOHNSON	10933	NY
21-32-0169	ROE, REYNOLDS	R D 1	WESTTOWN	10998	NY
21-32-0174	GLENODEN FARMS		MOUNTAINVILLE	10953	NY
21-32-0180	KOLK, KENNETH S.	R F D 1 BOX 146	GOSHEN	10924	NY
21-32-0181	PENN OCTO FARMS	PENNINGS, JG BOX 5	WARWICK	10990	NY
21-32-0186	SKAWIENSKI, JOSEPH JR.	BOX 88	BULLVILLE	10915	NY
21-32-0218	KLINE, ROBERT J.	R D 1 BOX 625A	NEW HAMPTON	10958	NY
21-32-0220	HANSEN, PETER	BOX 158	JOHNSON	10933	NY
21-32-0226	STAPLETON E. E. & SON		SLATE HILL	10973	NY
21-32-0235	LAIN, M. ARTHUR	RD1	WESTTOWN	10998	NY
21-32-0240	INDIAN ACRES DAIRY FARM	R D 2 NEVERSINK DR	PORT JERVIS	12771	NY
21-32-0352	WATKINS, J. S.	RD 1	CAMPBELL HALL	10916	NY
21-32-0454	RAKOWIECKI, CHESTER & SO	R D 1 STATION RD	SALISBURY MILLS	12577	NY
21-32-0512	STEEVES, E. R. JR.	SOUTH ST ROUTE 208	WASHINGTONVILLE	10992	NY
21-32-0538	OBRIEN, JOHN AND DEAN	R D 4	MIDDLETOWN	10940	NY
21-32-0569	C. AND R. FARMS INC.	ROUTE 52 BOX 550	WALDEN	12586	NY
21-32-0707	BRUYN, RAYMOND D.	R 1 BOX 295A	PINE BUSH	12566	NY
21-32-0746	FORD, FRANK O.	R D 1	WESTTOWN	10998	NY
21-32-0812	SEACORD, STANLEY B.	GOODWILL ROAD	MONTGOMERY	12549	NY
21-32-0832	STICKLE, HAROLD	RD 1	WARWICK	10990	NY
21-32-0853	VANDERWEERT, C.	R D	CHESTER	10918	NY
21-32-0866	SEARS, BENJAMIN D.	BOX 45	BLOOMING GROVE	10914	NY
21-32-0957	THORN, JOHN & DON		THOMPSON RIDGE	10985	NY

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	ADDRESS OF OWNER: STREET OR ROUTE	TOWN	ZIP-CODE	STATE
21-33-0149	RUHLEN, MAURICE	R D 1	ELBA	14058	NY
21-33-0223	MOORE, MAYNARD	R D	KENT	14477	NY
21-33-0517	MAXON FARMS	HINDS ROAD	HOLLEY	14470	NY
21-34-0074	SUMMERVILLE, W. H. & SON	R F D 1	FULTON	13069	NY
21-34-0095	DON HAVEN FARMS	R 5	FULTON	13069	NY
21-34-0105	BARCLAY, DOROTHY M.	DOUGLASTON MANOR F	PULASKI	13142	NY
21-34-0111	AMES, WALTER JR.	ROUTE 2	CENTRAL SQUARE	13036	NY
21-34-0121	DELONG, CHARLES E.	R D	MEXICO	13114	NY
21-34-0123	DRAKE, PHIL FARM 2	R D 1	RICHLAND	13144	NY
21-34-0155	GEER, DAVID & SON	R D 2	FULTON	13069	NY
21-34-0156	MURPHY, ROBERT	TOWLINE RD.	CENTRAL SQUARE	13036	NY
21-34-0216	MINDT, MARSHALL	R D 3	PULASKI	13142	NY
21-34-0402	MEYERS, ROBERT F.	R 3	CENTRAL SQUARE	13036	NY
21-34-0475	ROWE, ROLLO AND CHARLES	BOX 318 R D 1	CENTRAL SQUARE	13036	NY
21-34-0555	DEMASSEY, SAMUEL	BOX	WILLIAMSTOWN	13493	NY
21-34-0565	OJA, ARTHUR AND DONALD	R D 1	RENNELLVILLE	13132	NY
21-34-0749	TRIANGLE FARMS	R 2	HANNIBAL	13074	NY
21-34-0879	BURDICK, CHARLES	R D 3	MEXICO	13114	NY
21-34-0884	KARBOSKI, FRANK		PARISH	13131	NY
21-34-0887	MONSON, BOB	NORTH ST	MEXICO	13114	NY
21-35-0019	CEROSALETTI, CHARLES	RD 2	ONEONTA	13820	NY
21-35-0029	FASSETT, K. AND M.		EAST SPRINGFIELD	13333	NY
21-35-0040	WILLSEY, ALAN		SPRINGFIELD CENTE	13468	NY
21-35-0043	DENT, JOSEPH & IRWIN	R D 2	ONEONTA	13820	NY
21-35-0044	FASSETT, ERWIN	R F D 1	EAST SPRINGFIELD	13333	NY
21-35-0050	HUNTINGTON, LS & SONS IN		WESTFORD	13488	NY
21-35-0062	NIC - MAR FARM	RD 1	LAURENS	13796	NY
21-35-0067	KEENELAND FARMS		GILBERTSVILLE	13776	NY
21-35-0068	QUINTIN, EUGENE	R D 1	MORRIS	13808	NY
21-35-0072	MCCLINTOCK, WALTER	CENTURY LAND R D 3	WORCESTER	12197	NY
21-35-0076	BOURGEOIS, GERALD	RD 1	MORRIS	13808	NY
21-35-0079	IGEL, FRED & SON	R D 2	WEST WINFIELD	13491	NY
21-35-0102	SMITH, VAN B. & SON	R D 1	OTEGO	13825	NY
21-35-0108	DYE, HOMER W.DYELAND FAR	R D 1	WEST WINFIELD	13491	NY
21-35-0135	GOLJA, FRED	RD 1	WORCESTER	12197	NY
21-35-0143	HIGGINS, R. AND SON	RFD 1	BURLINGTON FLATS	13315	NY
21-35-0155	GRAHAM, CLAUDE J.	R D 2	CHERRY VALLEY	13320	NY
21-35-0158	SCOTSGLEN FARMS	R.D. 2	WEST WINFIELD	13491	NY
21-35-0161	HUNTINGTON, LS & SONS IN	R F D 3 FARM 3	COOPERSTOWN	13326	NY
21-35-0198	KUBIS, FRANCIS E.		COOPERSTOWN	13326	NY
21-35-0203	BARTON, BERNARD	R D 1	MORRIS	13808	NY
21-35-0218	FLINT, WILLIAM		EAST SPRINGFIELD	13333	NY
21-35-0239	VANVRANKEN, ABRAM	R D 1	OTEGO	13825	NY
21-35-0246	CARNRIKE, RAYMOND	R D 2	EDMESTON	13335	NY
21-35-0248	GATES, JAMES	R D 2	WEST WINFIELD	13491	NY
21-35-0263	KERSMANC, J. AND T.	R D 2	WORCESTER	12197	NY
21-35-0273	MILFER FARMS	RD1 ATT STEVE GLAU	UNADILLA	13849	NY
21-35-0277	INGALLS, RODNEY		HARTWICK SEMINARY	13349	NY
21-35-0301	WALKE, HARRY	R D 1	SCHENEVUS	12155	NY
21-35-0305	DONI DELL FARMS #1	R D 1	OTEGO	13825	NY
21-35-0307	SEEFELD FARMS	R D 1	MORRIS	13808	NY
21-35-0309	JOHNSON, ROBERT	R D I	UNADILLA	13849	NY
21-35-0311	HAYES & WILMOT	R D 1	CHERRY VALLEY	13320	NY
21-35-0323	HILL, ROBERT	R D 1	SOUTH NEW BERLIN	13843	NY
21-35-0332	INGALLS, RALPH	R D 2	UNADILLA	13849	NY
21-35-0356	GILBERT, JOHN	R D 1	OTEGO	13825	NY
21-35-0357	MARTIN, LESTER W.	MILFORD MEADOWS FM	MILFORD	13807	NY
21-35-0369	ALLEY, WM.	R D 1	MORRIS	13808	NY
21-35-0381	MAYNE, HERBERT F.	STAR ROUTE	BURLINGTON FLATS	13315	NY
21-35-0385	ZOLLER, ROLLIN	R D 2	WEST WINFIELD	13491	NY
21-35-0388	HUNTINGTON, L S & SONSIN	R D 3 FARM 2	COOPERSTOWN	13326	NY
21-35-0398	BOTTKE, EDMUND A.	R D 1	COOPERSTOWN	13326	NY
21-35-0407	CASLER, HOMER		WEST EXETER	13487	NY
21-35-0427	WALRATH, R. Y.		EAST SPRINGFIELD	13333	NY
21-35-0439	BALCOM, WILLIAM	R F D 2	MOUNT VISION	13810	NY
21-35-0450	COPE, LEWIS AND SON	STAR ROUTE	EAST SPRINGFIELD	13333	NY
21-35-0458	HUNTINGTON, L S & SONSIN	R F D 3 FARM 4	COOPERSTOWN	13326	NY
21-35-0464	OTSEGO HILLS FARM	R D 1 E. L. KELLOW	COOPERSTOWN	13326	NY
21-35-0466	JOHNSON, LEO L. JR. & SO	R F D 1	WEST EDMESTON	13485	NY
21-35-0486	DREAM ACRE FARM	STAR RTE L. CABALL	WESTFORD	13488	NY
21-35-0489	BOWEN BROTHERS	R D 1	BURLINGTON FLATS	13315	NY
21-35-0507	GREEN FRANK & WARD	OAK HILL FARM RD1	SCHENEVUS	12155	NY
21-35-0518	BARNES, SANFORD J. + SON	RD 1	COOPERSTOWN	13326	NY
21-35-0525	NILES, JOHN	BOX 48	WEST EDMESTON	13484	NY
21-35-0537	RICHARDS, TIMOTHY	STAR ROUTE	CHERRY VALLEY	13320	NY
21-35-0582	FASSETT, IVAN & GARY		SPRINGFIELD CENTE	13468	NY
21-35-0584	FRANK BERLEN FM G. WAFFL	R D 1	EDMESTON	13335	NY
21-35-0596	PULLIS, RUSSELL J.	R D 2	RICHFIELD SPRINGS	13439	NY
21-35-0612	HICKLING, DONALD D.	R D 2	EDMESTON	13335	NY
21-35-0677	SCRAMLIN, LOUIS	RD 1	CHERRY VALLEY	13320	NY
21-35-0746	ROBERTSON, JAMES		SPRINGFIELD CENTE	13468	NY
21-35-0882	HANSEN, L. D.		SOUTH VALLEY	13467	NY
21-35-0911	DYE, CHARLES	DYE-SHIRE FARM	GARRATTSVILLE	13342	NY
21-35-0915	COUTLEE, DOUG	NELCO FARMS	GARRATTSVILLE	13342	NY
21-35-0964	PARKER, LYSLE M.		EDMESTON	13335	NY

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	. . . . ADDRESS OF OWNER . . . . STREET OR ROUTE	TOWN	ZIP-CODE	STATE
21-37-0008	FRENCH, HILLIS & DALE	R D 2	MELROSE	12121	NY
21-37-0033	HERRINGTON, SHERMAN	R D 2	HOOSICK FALLS	12090	NY
21-37-0064	SLINGERLAND, HAROLD	R D 1	JOHNSONVILLE	12094	NY
21-37-0080	DUNCAN, ROBERT	BOX 333 RD1	TROY	12180	NY
21-37-0084	HOAG, JOHN & TERRY	R F D 2	HOOSICK FALLS	12090	NY
21-37-0095	CIPPERLY, FRANK	R D 1	HOOSICK FALLS	12090	NY
21-37-0096	DOTHEDALE FARM	RD2 HENRY C REQUAT	VALLEY FALLS	12185	NY
21-37-0106	CARLSON, ROBERT HD 1	R D 2	SCHAGHTICOKE	12154	NY
21-37-0108	MOORE BROTHERS	R D 1 ST CROIX FM	VALLEY FALLS	12185	NY
21-37-0139	MCMAHON, JOHN F.	R D 2	PETERSBURG	12138	NY
21-37-0161	WILEY, NEWTON & PAUL HD	RD 2	JOHNSONVILLE	12094	NY
21-37-0168	CARLSON, ROBERT HD 2	R D 2	SCHAGHTICOKE	12154	NY
21-37-0320	CALHOUN, J. E. AND SONS		HOOSICK FALLS	12090	NY
21-37-0538	MARBOT, ALEXANDER & SONS		BUSKIRK	12028	NY
21-37-0558	OTTMAN, ROY E.	R D 4	TROY	12180	NY
21-37-0609	WILEY, NEWTON & PAUL HD	RD 2	JOHNSONVILLE	12094	NY
21-39-0003	STAMMER, DONALD	R 5	GOUVERNEUR	13642	NY
21-39-0012	DUNHAM, ALLEN	R D 2	HAMMOND	13646	NY
21-39-0025	THOMPSON, ROBERT JR.	RD 1	OGDENSBURG	13669	NY
21-39-0026	TRACEY, LLOYD & ROBERT	FAIR RIDGE FARM	MADRID	13660	NY
21-39-0061	THEOBALD, KENNETH	R D 2	CANTON	13617	NY
21-39-0118	BYRNS, RICHARD	ROUTE 5	GOUVERNEUR	13642	NY
21-39-0235	MORRISON, JAMES	R D 1	DEKALB JUNCTION	13630	NY
21-39-0258	LAVACK, FRED	ROUTE 5	GOUVERNEUR	13642	NY
21-39-0261	MCRAE, ARDEN	R 1	GOUVERNEUR	13642	NY
21-39-0278	TESSMER, MAX	CHUB LAKE RD	GOUVERNEUR	13642	NY
21-39-0279	CHASE, EDWARD	ROUTE 2 ELM HAVEN	MASSENA	13662	NY
21-39-0406	BELL, JOHN	RD 5 MATOD POND FM	GOUVERNEUR	13642	NY
21-39-0438	TYLER, KEITH	RD1 BUTTERNUT RIDG	GOUVERNEUR	13642	NY
21-39-0478	RODEE, WILLIAM L.	R D 2	CANTON	13617	NY
21-39-0527	NOBLE, ORRIN W.	RD 4	CANTON	13617	NY
21-39-0529	WESTON, KENNETH AND SON	R D 1	POTSDAM	13676	NY
21-39-0575	DRUMMOND, NORMAN	RFD 2	HEUVELTON	13654	NY
21-39-0618	BURLEY, T. MILTON	R.D. 1	OGDENSBURG	13669	NY
21-39-0628	HEIDEN, PAUL S.	ROUTE 2	MADRID	13660	NY
21-39-0678	RANDALL, A. W. AND SON		GOUVERNEUR	13642	NY
21-39-0922	SIPHER, ERTON & DAVID	ROUTE 1	GOUVERNEUR	13642	NY
21-39-0996	STACY, O. THERON	MAPLE DRIVE FM RD1	CANTON	13617	NY
21-40-0023	PECK, FREDERICK J.	RD 1	SCHUYLERVILLE	12871	NY
21-40-0024	MOSHER, ERWIN O.	R D 5 EAST HIGH ST	BALLSTON SPA	12020	NY
21-40-0040	CURTISS, W. S. AND SON	R D 2	BALLSTON SPA	12020	NY
21-40-0050	ARNOLD, RUSSELL	RD 3	AMSTERDAM	12010	NY
21-40-0073	DRUMMLAND FARM	R D 1	SCHUYLERVILLE	12871	NY
21-40-0078	HANEHAN, WILLIAM	R F D 1	SARATOGA SPRINGS	12866	NY
21-40-0115	SUGAR HILL FARM 1	R F D 1	REXFORD	12148	NY
21-40-0132	ROERIG, JOHN	R D 2 MALTA FARMS	BALLSTON LAKE	12019	NY
21-40-0585	DONNAN, HUME		GALWAY	12074	NY
21-40-0768	GARRISON, EARL AND SONS	R D 1	BALLSTON SPA.	12020	NY
21-40-0982	PECK, WILLIAM HERD 1	BOX 143	SCHUYLERVILLE	12871	NY
21-42-0015	TOWNSEND, WILLIAM S.	R D 2	COBLESKILL	12043	NY
21-42-0022	FRANCE, ARLTON		SEWARD	12199	NY
21-42-0027	N.Y.S. AGR.&TECH. INST.	ATT W. J. CLARK	COBLESKILL	12043	NY
21-42-0029	PRZYSIECKI, THOMAS G. FM	FYN AYR FARM	SCHOHARIE	12157	NY
21-42-0033	CROSBY, HOWARD	R D 1	SPRAKERS	12166	NY
21-42-0066	LIDDLE, WARREN	BALLYMINE FARM	DELANSON	12053	NY
21-42-0114	TILLAPYKE FARM		CARLISLE	12031	NY
21-42-0132	BECKER, ROGER FM 1		COBLESKILL	12043	NY
21-42-0137	SCHULTZ BROTHERS	R F D 2	SCHOHARIE	12157	NY
21-42-0151	N.Y.S. AGR.&TECH. INST.	ATT W. J. CLARK	COBLESKILL	12043	NY
21-42-0155	PALMER, C. AND SON	R D 2	COBLESKILL	12043	NY
21-42-0160	KOSKA, PETER N.	R D	MIDDLEBURG	12122	NY
21-42-0162	NISSEN, ARNE	R D 1	COBLESKILL	12043	NY
21-42-0172	VERNIK, THADDEUS	BOX 234	SHARON SPRINGS	13459	NY
21-42-0187	HOLMES, J. M.	BOX 616	COBLESKILL	12043	NY
21-42-0221	LYNK, WILLARD	R D 1	SHARON SPRINGS	13459	NY
21-42-0227	BUTLER, LEON E.		RICHMONDVILLE	12149	NY
21-42-0254	BROWN, ROBERT S. SR.	BOX 90	SLOANSVILLE	12160	NY
21-42-0269	BUCK, CHARLES N.		JEFFERSON	12093	NY
21-42-0271	DEWITT, DAYTON	DAY-BARB MEADOWS	GILBOA	12076	NY
21-42-0292	MACE, STEWART G.	R D 1	GILBOA	12076	NY
21-42-0310	VAN ALLER, LARRY		MIDDLEBURGH	12122	NY
21-42-0334	CREEKEND FARMS	PETER ENDERS	CENTRAL BRIDGE	12035	NY
21-42-0335	BECKER, ROGER FM 2		COBLESKILL	12043	NY
21-42-0345	MERCHANT, ROBERT L.	R D 1	HOWES CAVE	12092	NY
21-42-0348	NOTTER, WILLIAM	R D 1	COBLESKILL	12043	NY
21-42-0353	WITT, HENRY	MIDDLE FORT FARM	MIDDLEBURG	12122	NY
21-42-0384	WALDRON, EDWARD R.	R D	MIDDLEBURGH	12122	NY
21-42-0391	BERLINGER, BEN	BERCREST FARM	GILBOA	12076	NY
21-42-0394	BARBER, J. ROGER FM 2	EMBAR FARMS	MIDDLEBURGH	12122	NY
21-42-0398	WILSON, GEORGE B.	R D	STAMFORD	12167	NY
21-42-0404	SMIGEL, JOHN		RENSSELAERVILLE	12147	NY
21-42-0410	PINE GROVE FARMS	RD 1	DUANESBURG	12056	NY
21-42-0429	MACFADDEN, JAMES		SHARON SPRINGS	13459	NY
21-42-0435	BUTLER, IVAN & GARY		COBLESKILL	12043	NY
21-42-0471	CUMMINGS, ROBERT	BOX 32	SHARON SPRINGS	13459	NY

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	. . . . A D D R E S S O F O W N E R . . . . STREET OR ROUTE	TOWN	ZIP-CODE	STATE
21-42-0492	NAHRWOLD, ARTHUR FM 1	VALHALA FARM	MIDDLEBURG	12122	NY
21-42-0493	MERENESS, GERALD	R D 1	COBLESKILL	12043	NY
21-42-0508	DANFORTH, GEORGE		JEFFERSON	12093	NY
21-42-0554	GINENTHAL, LAWRENCE		JEFFERSON	12093	NY
21-42-0581	PARSLOW, NELSON AND SON	STAR ROUTE	WEST FULTON	12194	NY
21-42-0711	BARBER, J. ROGER FM 1	EMBAR FARMS	MIDDLEBURGH	12122	NY
21-42-0720	STANTON, KENNETH	R D	SPRAKERS	12166	NY
21-42-0746	MCCANN, ROBERT W.	R.D. 1	RICHMONDVILLE	12149	NY
21-42-0751	SCHUYLER, P. AND SON	RD 1	COBLESKILL	12043	NY
21-42-0806	JOHNSON, BYRON	R D	LAWYERSVILLE	12113	NY
21-42-0852	GUERNSEY, LOREN J.	R.D. 1	SCHOHARIE	12157	NY
21-42-0877	HAMM, DORWIN A.		RICHMONDVILLE	12149	NY
21-43-0003	DELL, JOSEPH C. JR.	R D 1	TRUMANSBURG	14886	NY
21-43-0042	ROGERS, J. L.	RD 1	ALPINE	14805	NY
21-43-0048	RITZ & BOWER	SKYLINE DRIVE	MONTOUR FALLS	14865	NY
21-43-0099	BARBER, PAUL JR.	R D 2	DUNDEE	14837	NY
21-43-0287	BURR, CHARLES E. HD 1	RD 2	TRUMANSBURG	14886	NY
21-43-0483	SENELAKECA FARMS	ATT. DANIEL J MURP	HECTOR	14841	NY
21-43-0716	RICHARDS BROTHERS	RD 1	ALPINE	14805	NY
21-43-0773	GANUNG, ROGER W.	R F D 2	MONTOUR FALLS	14865	NY
21-44-0015	MCCOY, ALAN & DAWN	R D 2	INTERLAKEN	14847	NY
21-44-0033	WENOKA FARMS	R D 2	ROMULUS	14541	NY
21-44-0036	DIAMOND, SEYMOUR	R D 2	OVID	14521	NY
21-44-0048	SHUSTER, PETER C.	R D 1	SENECA FALLS	13148	NY
21-44-0056	DAN-AL FARMS	R F D 2 BOX 120	SENECA FALLS	13148	NY
21-44-0066	STAHL, BRUCE W.	RD 2 BOX 132	SENECA FALLS	13148	NY
21-44-0143	LAWARA FARMS		INTERLAKEN	14847	NY
21-44-0177	KIME, ROBERT & EDWARD	R F D 3 BOX 379	GENEVA	14456	NY
21-44-0178	MYER, LECONTE		OVID	14521	NY
21-44-0425	KUNEY, GLENN	R F D 3	WATERLOO	13165	NY
21-44-0640	DEAN, RAY AND SON	R F D 2	SENECA FALLS	13148	NY
21-44-0933	SMITH, E. R.	RFD 2	SENECA FALLS	13148	NY
21-45-0002	ROUNDS AND LEWIS	RD 1	PAINTED POST	14870	NY
21-45-0009	BLUE GILL FM. L. WEAVER	R D 2	BATH	14810	NY
21-45-0014	EMO, WALTER	R D 1	ARKPORT	14807	NY
21-45-0031	KUHL, ARTHUR	RD 2	LAWRENCEVILLE	16929	PA
21-45-0048	KNOWLES, OWEN	R D 1	TROUPSBURG	14885	NY
21-45-0049	ATHERTON, WILLIAM AND SO	R D 1	GREENWOOD	14839	NY
21-45-0069	MEEHAN, FRANCIS	R D 1	REXVILLE	14877	NY
21-45-0078	ACOMBVIEW FARMS	SCOTT F. ACOMB RD2	DANSVILLE	14437	NY
21-45-0141	SEELEY, WILLIAM	R D 2	CAMPBELL	14821	NY
21-45-0142	BREWER, MAYNARD	R D 1 BOX 17	WOODHULL	14898	NY
21-45-0170	SCHENCK, LUMAN	R D 1	GREENWOOD	14839	NY
21-45-0171	PLAISTED, MERTON	R D 1	HAMMONDSPORT	14840	NY
21-45-0198	BOSSARD, CLARENCE A & SO	R F D 2	CANISTEO	14823	NY
21-45-0199	LANDCREST FARMS	R D 2	CANISTEO	14823	NY
21-45-0235	CLANCY, FRANCIS	R D 1	HORNELL	14843	NY
21-45-0238	WARRINER, WAYNE AND SONS	R D 1	GREENWOOD	14839	NY
21-45-0288	BUTTON, CHARLES A. & SON	BOX 29	JASPER	14855	NY
21-45-0295	PRICE, RUSSELL AND SON		JASPER	14855	NY
21-45-0336	FOSTER, GRANT	R D 1	GREENWOOD	14839	NY
21-45-0392	VAN SKIVER, EDGAR	R D 1	JASPER	14855	NY
21-45-0400	KETCH, BRUCE E.		BATH	14810	NY
21-45-0409	BLISS, ROY	R D 1	TROUPSBURG	14885	NY
21-45-0410	WOODWORTH, ROSS	R D 1	CANISTEO	14823	NY
21-45-0436	BENTON, WILLIAM	R D 1	TROUPSBURG	14885	NY
21-45-0452	SCHWINGLE BROTHERS		ATLANTA	14808	NY
21-45-0458	LEACH, FORREST	R D 1	JASPER	14855	NY
21-45-0551	BESS, ANDREW & BRUCE	R D 1	WESTFIELD	16950	PA
21-45-0599	DRAKE VALLEY FARMS	R F D 1	WOODHULL	14898	NY
21-45-0607	LYONS, THOMAS	R D 1	ADDISON	14801	NY
21-45-0621	BEACH, THOMAS JR.	R D 2	ARKPORT	14807	NY
21-45-0725	KANE, THOMAS	RD 2	ADDISON	14801	NY
21-45-0736	FOSTER, FRANCIS & CARL	R D 2	BATH	14810	NY
21-45-0740	FISK, LEWIS	R D 1	TROUPSBURG	14885	NY
21-45-0742	FLANAGAN BROTHERS	R D 1	HORNELL	14843	NY
21-45-0772	BOSSARD, WILLIAM	R D 1	HORNELL	14843	NY
21-45-0777	LEWIS, FRED	R D 1	PRATTSBURG	14873	NY
21-45-0888	HARKENRIDER, PAUL J.	R D 1	REXVILLE	14877	NY
21-45-0894	S. O. S. FARMS, INC. 1	RD 2	ARKPORT	14807	NY
21-45-0987	HOLLENBECK, LEONARD	R D 1	GREENWOOD	14839	NY
21-47-0015	ACKERLEY FARMS	BOX 173	GRAHAMSVILLE	12740	NY
21-47-0026	KELLER, CALVIN		CALLICOON CENTER	12724	NY
21-47-0043	BONNELL, ROSS	R D 1	GRAHAMSVILLE	12740	NY
21-47-0061	MANOUSE, TED		CALLICOON	12723	NY
21-47-0330	CARR DEWEY HERD 1	RD 1	FERNDALE	12734	NY
21-48-0020	STRONG, ROBERT	R D 1	BARTON	13734	NY
21-48-0049	HOGG,S DAIRY BAR HD1	RD2	APALACHIN	13732	NY
21-48-0060	STRONG, JEAN	STAR ROUTE 2	OWEGO	13827	NY
21-48-0062	LAWTON, MERLE FM 2	R D 1	NEWARK VALLEY	13811	NY
21-48-0074	PETZOLD FARMS	R D 2 ATT F.PETZO	NEWARK VALLEY	13811	NY
21-48-0081	HOLLENBECK, G. C.	RD 1	CANDOR	13743	NY
21-48-0097	THOLEN, CARL	493 CATATONK HILL	CANDOR	13743	NY
21-48-0116	LAWTON, MERLE FM 1	R D 1	NEWARK VALLEY	13811	NY
21-48-0121	ZIMMER, DONALD AND SON	RD 1	NEWARK VALLEY	13811	NY

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	. . . . A D D R E S S STREET OR ROUTE	O F O W N E R . . . . TOWN	ZIP-CODE	STATE
21-48-0131	HYATT, JOHN	STAR ROUTE 1	OWEGO	13827	NY
21-48-0136	NEEDHAM, WILLIAM D.	R D 2 BOX 240	NEWARK VALLEY	13811	NY
21-48-0155	ROSENBERGER, WILLIAM H.	R D 2	OWEGO	13827	NY
21-48-0182	SIMKIN, ALLEN H.	RD 1	NICHOLS	13812	NY
21-48-0205	WHITCOMB, JOHN	R D 1	BARTON	13734	NY
21-48-0229	BREWER, CHARLES	RFD 2	CANDOR	13743	NY
21-48-0243	MEHLING, JOHN A.	R D 1	VAN ETTEN	14889	NY
21-48-0249	SWARTWOOD, HOWARD	R D 1	BARTON	13734	NY
21-48-0344	ROBINSON, J. RIKER	R. D. 1	OWEGO	13827	NY
21-48-0441	MOORE FARMS	ATT ROBERT MOORE R	NICHOLS	13812	NY
21-48-0583	LYON BROTHERS	RD 1	CANDOR	13743	NY
21-49-0004	WRIGHT, LYNN		DRYDEN	13053	NY
21-49-0005	STEWART, ORLEY	R D 3	CORTLAND	13045	NY
21-49-0014	MARSHALL, EDWARD H.	RD 6	ITHACA	14850	NY
21-49-0020	ALBRECTSEN, RAYMOND	RD 3	ITHACA	14850	NY
21-49-0036	DOWNEY, WILLARD G.	R D 1	DRYDEN	13053	NY
21-49-0039	AASEN, RAYMOND		LUDLOWVILLE	14862	NY
21-49-0046	STUTTLE, LEWIS	R D 1 LEW LIN FARM	DRYDEN	13053	NY
21-49-0054	WHATMAN, DONALD	RD 2	GROTON	13073	NY
21-49-0055	AUGUSTSSON, KARL .	R D 3	TRUMANSBURG	14886	NY
21-49-0061	VANDEBOGART, L.		WILLSEYVILLE	13864	NY
21-49-0075	C. U. NUTRITION FARM	MORRISON HALL	ITHACA	14850	NY
21-49-0089	HATFIELD, CHARLES M.	R F D 2	FREEVILLE	13068	NY
21-49-0148	ALDRICH, LEON E.	R D 3	ITHACA	14850	NY
21-49-0156	NEDROW BROTHERS	R D 1	LUDLOWVILLE	14862	NY
21-49-0174	KEECH, L.+DEHART, D. FM	R D 1	DRYDEN	13053	NY
21-49-0181	RONEL FARM	R D 2	GROTON	13073	NY
21-49-0188	DEDRICK, PAUL HD 1	R D 1	GROTON	13073	NY
21-49-0208	SCHUTT, JEROME	210 SCHUTT RD.	DRYDEN	13053	NY
21-49-0226	KEECH, L.+DEHART, D. FM	R D 1	DRYDEN	13053	NY
21-49-0298	SALTSMAN, FRED	ROUTE 2	CORTLAND	13045	NY
21-49-0333	CARRIER, ROBERT	RD 1	DRYDEN	13053	NY
21-49-0452	TEACHING & RESEARCH CTR.	ANIMAL SCIENCE DEP	ITHACA	14850	NY
21-49-0488	CROWE, C. F.	BOX 443	DRYDEN	13053	NY
21-49-0547	DEDRICK FARM 1	11 MOTT ROAD R D	DRYDEN	13053	NY
21-49-0589	DORN, HUBERT	1380 CODDINGTON RD	BROOKTONDALE	14817	NY
21-49-0763	RUMSEY, L. R.	R D 2	NEWFIELD	14867	NY
21-49-0973	MARQUIS, KERMIT	R F D 2	FREEVILLE	13068	NY
21-50-0016	CODDINGTON, FRANK		STONE RIDGE	12484	NY
21-50-0021	CHRISTIANA FARM	R D	STONE RIDGE	12484	NY
21-50-0038	BARDIN, LOUIS	RD 1	PINE BUSH	12566	NY
21-50-0053	GARRISON, ROBERT		WALLKILL	12589	NY
21-50-0060	SHAFER, KENNETH E.	ALBANY PST RD BOX5	NEW PALTZ	12561	NY
21-50-0145	KELDER, WAYNE F.	R F D	ACCORD	12404	NY
21-50-0146	KELDER, S. ROBERT		STONE RIDGE	12484	NY
21-50-0530	DAVIS, PHILIP	R D	KERHONKSON	12446	NY
21-50-0650	MAIER, ARTHUR	R D 3	WALLKILL	12589	NY
21-50-0689	CATSKILL REFORMATORY	RT209 ATT M MISNER	KERHONKSON	12446	NY
21-50-0840	BO-BRO-DA FARM D. BOICE	BOICES LANE	KINGSTON	12401	NY
21-52-0001	SEACORD, ROGER HERD 1	R D	GREENWICH	12834	NY
21-52-0002	TAMARACK FARMS-E. LIDDEL	RD 1	GREENWICH	12834	NY
21-52-0023	MCGUIRE, DICK	RFD 1	CAMBRIDGE	12816	NY
21-52-0032	WILFARMS INC.	R D 2	SALEM	12865	NY
21-52-0034	FRUHAUF, EDWIN	RFD 2	ARGYLE	12809	NY
21-52-0053	GILLIS, ADDISON	RD 2	ARGYLE	12809	NY
21-52-0055	DURKEE, WILLARD	R D 2	FORT ANN	12875	NY
21-52-0063	LUNCREST FARMS	RD 2	GRANVILLE	12832	NY
21-52-0065	SKELLIE, WARREN J.	STAR ROUTE	EAST GREENWICH	12826	NY
21-52-0071	MOY, CECIL	RD 1	SCHAGHTICOKE	12154	NY
21-52-0091	MEARS, WILLIAM H.	R D 1	FORT EDWARD	12828	NY
21-52-0100	SILL, BOB	R D 2	ARGYLE	12809	NY
21-52-0102	STORY BROTHERS	RD 2	ARGYLE	12809	NY
21-52-0105	GILLIS, BURTON C.	RD 3	GREENWICH	12834	NY
21-52-0111	SCHOEN, GERHARD	R D 2	BUSKIRK	12028	NY
21-52-0113	WHITNEY, KENDRICK & SON		FORT ANN	12827	NY
21-52-0116	NORTON, EDWARD	R D 2	FORT ANN	12827	NY
21-52-0139	RYMPH, ERNEST A & SON HD	R D 1	GREENWICH	12834	NY
21-52-0140	ROBBINS AND BROMLEY FM	BOX 65	WEST PAWLETT	05775	VT
21-52-0154	BAIN, DAVID K. AND SONS	R D	ARGYLE	12809	NY
21-52-0155	LANE END FARM	R D 2	ARGYLE	12809	NY
21-52-0162	FILLMORE, EDWIN AND SON	R D 1	BUSKIRK	12028	NY
21-52-0163	JOHNSON, TOM	RD2	GRANVILLE	12832	NY
21-52-0167	REYNOLDS, MERRITT & SNS	R D 2	ARGYLE	12809	NY
21-52-0184	PROUTY, PAUL D.	BROOKDELL FARM	FORT ANN	12827	NY
21-52-0185	STEWART, CLIFFORD	RD 3	GREENWICH	12834	NY
21-52-0216	THYGESEN, ALF FARM 1		COSSAYUNA	12823	NY
21-52-0234	GOODMAN, N. CHESTER	R D 1	FORT ANN	12827	NY
21-52-0235	MC NEIL, LAURENCE	R D 2	ARGYLE	12809	NY
21-52-0241	SEACORD, ROGER HERD 2	R D	GREENWICH	12834	NY
21-52-0254	MACS CLAN	BUNKERHILL ROAD	SALEM	12865	NY
21-52-0268	MACCLAN FARMS INC	ATT H. MCEACHRON	SALEM	12865	NY
21-52-0306	MORRISON, WILLIAM	R D 2	GREENWICH	12834	NY
21-52-0310	WILBURHOLM FARM-2	R.D. 1	GREENWICH	12834	NY
21-52-0311	HUNT, FRED	R D 3	GREENWICH	12834	NY
21-52-0339	SKELLIE, RICHARD	BOX 40	EAST GREENWICH	12826	NY

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	. . . . A D D R E S S O F O W N E R . . . . STREET OR ROUTE	TOWN	ZIP-CODE	STATE
21-52-0339	TUDOR, JOHN	R D 1	EAGLE BRIDGE	12057	NY
21-52-0353	WILLIAMS, JON D.	R D 2	ARGYLE	12809	NY
21-52-0362	PULVER, DAVID A.	R D 1 VALLEYVIEW F	FORT EDWARD	12828	NY
21-52-0379	WILBURHOLM FARM #1	RD 1	GREENWICH	12834	NY
21-52-0385	ZIEHM, GEORGE & SON		BUSKIRK	12028	NY
21-52-0392	JOHNSON, MAY F. HD 1	R D 1-MAYHOME	HUDSON FALLS	12839	NY
21-52-0396	DEKALB, KENNETH	STAR ROUTE	COMSTOCK	12821	NY
21-52-0413	BOISVENUE, PAUL	RD2	FORT ANN	12827	NY
21-52-0431	LANE, GEORGE & SONS	R F D	WHITEHALL	12887	NY
21-52-0577	ALLEN, NORMAN		SCHAGHTICOKE	12154	NY
21-52-0581	PFEIFFER, WINIFRED		GREENWICH	12834	NY
21-52-0628	HITCHCOCK, NORMAN FM 1	KINGSBURG ROAD	HUDSON FALLS	12839	NY
21-52-0637	MAPLE SLOPE FARM	R D 2	ARGYLE	12809	NY
21-52-0649	JOHNSON, RAYMOND E.		SCHAGHTICOKE	12154	NY
21-52-0651	CLARK, JOHN	R D	ARGYLE	12809	NY
21-52-0690	REAFIELD FARMS	R D 1	CAMBRIDGE	12816	NY
21-52-0802	SKIFF FARMS INC.	R D 3	GREENWICH	12834	NY
21-52-0880	HANKS, DONALD	STAR ROUTE	SALEM	12865	NY
21-53-0017	TAYLOR, LEON	RD 1	NEWARK	14513	NY
21-53-0031	SCHOEN, ROBERT & EDWARD	R D 3	PHELPS	14532	NY
21-53-0055	REYNOLDS, WALLACE H.	R D 2	MARION	14505	NY
21-53-0061	AIRY, JAMES H. AIRY ACRE	604 WIEDRICK ROAD	WALWORTH	14568	NY
21-53-0067	EATON, KENNETH J.	870 KENYON ROAD	WILLIAMSON	14589	NY
21-53-0100	PLACE, ROBERT R.	R D 2	ONTARIO	14519	NY
21-53-0105	COX, GEORGE L.	R F D 1	WOLCOTT	14590	NY
21-53-0142	CRAINE, CHARLES L.	RD 2	RED CREEK	13143	NY
21-53-0146	YOUNGMAN, ARTHUR	RFD	WOLCOTT	14590	NY
21-53-0160	GREEN DAIRY FARMS INC.		WOLCOTT	14590	NY
21-53-0166	BELTAVERN FARM 1	R D 2 BOX 109	WATERLOO	13165	NY
21-53-0168	MEANS-RIDGESTEAD FARM	EDDY RIDGE ROAD	MARION	14505	NY
21-53-0180	YOUNGMAN, DOUGLAS	R F D MOON VALE FA	SAVANNAH	13146	NY
21-53-0198	KOEBERLE, E. W. AND SONS	26 GARNSEY ROAD	PALMYRA	14522	NY
21-53-0207	LAKE, SHERMAN FM 1	RD 1	LYONS	14489	NY
21-53-0215	ROTHFUSS, ORA	RD	MACEDON	14502	NY
21-53-0260	BASSAGE, GEORGE	WALWORTH ONTARIO R	WALWORTH	14568	NY
21-53-0263	LAKE, SHERMAN FM 2	RD 1	LYONS	14489	NY
21-53-0297	LANNON, LEE	RD1 WEST PEARL ST	NEWARK	14513	NY
21-53-0542	DARRON, LEIGH AND SON	R D 1	WALWORTH	14568	NY
21-53-0627	PHILLIPS, JOHN		RED CREEK	13143	NY
21-53-0780	ALBERDING, DERWIN & SON		RED CREEK	13143	NY
21-55-0004	NEVINGER, RUSSELL	R F D	WARSAW	14569	NY
21-55-0009	VOORHEES, FLOYD	R D 1	SILVER SPRINGS	14550	NY
21-55-0011	AGEN, WILLIAM	R D 2	ARCADE	14009	NY
21-55-0013	FARLEY, FRED AND SON	R F D	PERRY	14530	NY
21-55-0014	COLLINS, DONALD	COLLINS CREST FARM	PERRY	14530	NY
21-55-0016	MEEDER, WILLIAM	R D 3	WARSAW	14569	NY
21-55-0020	SPRENGER, EDWARD	R F D	WARSAW	14569	NY
21-55-0025	DEGROFF, LESLIE JR.	R D	PERRY	14530	NY
21-55-0051	CONABLE, JOHN	BOX 31	WARSAW	14569	NY
21-55-0066	QUIET SHADES FARM	CHAFFEE ROAD	ARCADE	14009	NY
21-55-0118	JOHNSON, HELEN & WALTER	R F D 1	SILVER SPRINGS	14550	NY
21-55-0122	TITIS BROTHERS	R D 1	WYOMING	14591	NY
21-55-0128	SILVER MEADOWS FARM	ATT RONALD KLEIN R	SILVER SPRINGS	14550	NY
21-55-0145	FUGLE, GEORGE	R D 2	ATTICA	14011	NY
21-55-0171	RICHARDS, GORDON & JAMES	R F D	SILVER SPRINGS	14550	NY
21-55-0242	LEITH, MRS. GROVE	R D 1	WYOMING	14591	NY
21-55-0266	ZIEGLER, JOSEPH	R D 1	ARCADE	14009	NY
21-55-0278	WHEELER, HERBERT		PERRY	14530	NY
21-55-0291	KINGSLEY BROTHERS	R D	PAVILION	14525	NY
21-55-0313	MCINTYRE, HOWARD	R F D	PERRY	14530	NY
21-55-0322	BERKEMEIER, H. C. & SONS	10825 EAST ROAD	PAVILION	14525	NY
21-55-0340	WINCH, RICHARD	R D 1	ARCADE	14009	NY
21-55-0352	WINTER FARMS	R D 3	PERRY	14530	NY
21-55-0354	KELLY, RICHARD	R D 2	PERRY	14530	NY
21-55-0359	CHAMBERLAIN, PAUL	R D 1	WYOMING	14591	NY
21-55-0454	CHAMBERLAIN, RAY & DAVID	RD1 HI LAND FARM	WYOMING	14591	NY
21-55-0456	MERWIN, JOSEPH C.	RD 2	FILLMORE	14735	NY
21-55-0473	DEGROFF, HERBERT	R F D	PERRY	14530	NY
21-55-0477	HAMILTON, BRUCE	CREEK ROAD	BLISS	14024	NY
21-55-0490	IKELER, DANIEL	R F D	BLISS	14024	NY
21-55-0499	RANDALL, NORMAN	R D	SILVER SPRINGS	14550	NY
21-55-0502	LANG, WALTER J.	RFD WALA PINES FAR	BLISS	14024	NY
21-55-0507	WALTON, GARY	R F D 1 BOX 1	BLISS	14024	NY
21-55-0525	PANKOW, HARRY	BOX 13 GLEN IRIS R	CASTILE	14427	NY
21-55-0526	DUPPENGIESSER, A. HD 1	R F D	PERRY	14530	NY
21-55-0532	NEVINGER, STUART	R F D	WARSAW	14569	NY
21-55-0534	DUPPENGIESSER, A. HD 2	R F D	PERRY	14530	NY
21-55-0551	WELLS, ALVIN	R D 1	CASTILE	14427	NY
21-55-0587	EMERLING FARMS	R F D	PERRY	14530	NY
21-55-0676	BLOODY HOLLOW FARMS INC.	RFD	LEICESTER	14481	NY
21-55-0725	SONGER AND FLYNN		BLISS	14024	NY
21-55-0767	FARYNA, HENRY		PERRY	14530	NY
21-56-0040	MERRITT, S. AND SONS	R D 2	PENN YAN	14527	NY
21-56-0043	BOND, THERON	R 1	PENN YAN	14527	NY
21-56-0060	FEATHER CREST FARMS INC.	R D 2	PENN YAN	14527	NY

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	. . . . A D D R E S S STREET OR ROUTE	O F O W N E R . . . . TOWN	ZIP-CODE	STATE
21-56-0066	JENSEN, RODNEY	R D 1	PENN YAN	14527	NY
21-56-0129	BUTTON, LEON & SON FM 1	R D 1	RUSHVILLE	14544	NY
21-56-0244	VOAK, CARLTON E	R F D 4	PENN YAN	14527	NY
21-56-0249	MARTENS, KLAAS	RD 1	PENN YAN	14527	NY
21-56-0292	DANN, DELOS	R D 1	MIDDLESEX	14507	NY
21-56-0333	JENSEN, MAURICE F.	R D 1	RENN YAN	14527	NY
21-56-0352	CHRISTENSEN, CHARLES E.	R D 3	RENN YAN	14527	NY
21-56-0425	WOOD, VICTOR	R O I	RENN YAN	14527	NY
21-56-0724	FLYNN FARMS	R O I	PENN YAN	14527	NY
21-56-0994	LITTEER, ARTHUR AND SON	R D 2	DUNDEE	14837	NY
22-10-0005	HENISEE, A.G. & SONS	VILLAGE VIEW FARM	MEDFORD	08055	NJ
22-10-0034	JONES, HERBERT & IRVING	FOSTRTWN RD BX53 R	MEDFORD	08055	NJ
22-10-0039	DURHAM, RAYMOND	E E EST SANOTOWN R	MEDFORD	08055	NJ
22-10-0046	FORSYTHE, A. H. & O. H.	CHURCH RD	MEDFORD	08055	NJ
22-10-0050	BISHOP, JOHN VI FM 2	GEORGETOWN ROAD	COLUMBUS	08022	NJ
22-10-0051	KIESLING, LOUIS JR	BX 261 YAROVILLE R	TRENTON	08620	NJ
22-10-0052	WEDELL, VERNON		COLUMBUS	08022	NJ
22-10-0055	AARONSON, GEORGE & SONS	LOCUST HILL FARM	COLUMBUS	08022	NJ
22-10-0057	JONES, LESTER C & SNS IN	FOSTERTOWN ROAD	MEDFORD	08055	NJ
22-10-0062	RETTIT, WILLIAM		JULIUSTOWN	08042	NJ
22-10-0063	SHINN, HAROLD		JOBSTOWN	08041	NJ
22-10-0070	ALLOWAY, JOHN		COLUMBUS	08022	NJ
22-10-0080	DURR, HERMAN JR.	SYKESVILLE ROAD	WRIGHTSTOWN	08562	NJ
22-10-0109	BISHOP, JOHN VI FM 1	GEORGETOWN ROAD	COLUMBUS	08022	NJ
22-10-0117	CONOVERS GUERNSEY FM INC		HIGHTSTOWN	08520	NJ
22-10-0120	VANMATER, DANIEL	CRECENT FARMS	COLUMBUS	08022	NJ
22-10-0127	RUDDEROW, MAURICE & SONS	ELBOW LANE	MOORESTOWN	08057	NJ
22-10-0130	VONTHADEN, WILLIAM	OLD YORK ROAD	BORDENTOWN	08505	NJ
22-10-0139	SHONTZ, C. WAYNE	HARTFORD ROAD	MEDFORD	08055	NJ
22-10-0150	ARMSTRONG, BYRON & SONS		COLUMBUS	08022	NJ
22-10-0155	WINZINGER, JOHN JR.	OLD YORK RD	BORDENTOWN	08505	NJ
22-10-0157	HALL, RUSSELL & SON		VINCENTOWN	08088	NJ
22-10-0165	WAINWRIGHT, FRED JR.	CLOVER VALLEY FARM	BORDENTOWN	08505	NJ
22-10-0174	DAVID, NICHOLAS	JACKSNVLE HEDDING	BORDENTOWN	08505	NJ
22-10-0185	GRAVATT, CARLTON	R D 1	ALLENTOWN	08501	NJ
22-10-0187	SEARCH BROTHERS	ROUTE 27	CREAM RIDGE	08514	NJ
22-10-0212	HILLBREEZE-KING QUEEN FM	CROSSWICK RD A.SMI	ALLENTOWN	08501	NJ
22-10-0213	STATE REFORMATORY	ATT FRANK STAUMR	BORDENTOWN	08505	NJ
22-10-0221	NEWBOLD, D T MORRISDON F	R D 1	COLTS NECK	07722	NJ
22-10-0222	RUE, F. G. AND SONS	R D	IMLAYSTOWN	08526	NJ
22-10-0223	FREIBERGER, RURERT H.	R D 1	ALLENTOWN	08501	NJ
22-10-0225	MARLU FARMS HOLSTEIN		LINCROFT	07738	NJ
22-17-0021	KUEHN, HENRY JR.	R D 5	FLEMINGTON	08822	NJ
22-17-0029	EVERITT, DONALD C.	R D 2 BOX 347	NESHANIC STA	08853	NJ
22-17-0066	BEATTY, SAMUEL AND SON	R D BOX 223	ASBURY	08802	NJ
22-17-0082	JOHNSON, J S-ATT L SNYDE	R D BOX 279	OLDWICK	08858	NJ
22-17-0093	BACKACRES	RD 2	LEBANON	08833	NJ
22-17-0109	VANDOREN, ABRAM	R O 1	FLEMINGTON	08822	NJ
22-17-0116	BODINE, FRANK & SONS	R D	STOCKTON	08559	NJ
22-17-0124	SMITH, C. RUSSELL	R D	MILFORD	08848	NJ
22-17-0149	HUNTERDON HILLS HOLSTEIN	R D ATT J. PAULMIE	ROSEMONT	08556	NJ
22-17-0151	DOUGLASS, STANLEY & SONS	R D 1	PITTSTOWN	08867	NJ
22-17-0154	SLIKER, WAYNE E.	R D 5	FLEMINGTON	08822	NJ
22-17-0160	PANDY, JOSEPH	R F D 1 BOX 193	FRENCHTOWN	08825	NJ
22-17-0163	FREISS, W. M.	R D 1	GLEN GARDNER	08826	NJ
22-17-0197	HOUGH, GEORGE W.	R O 2 BOX 348	WHITE HOUSE STATI	08889	NJ
22-17-0200	SCHWAB, FLOYD	RINGOES REAVILLE R	RINGOES	08551	NJ
22-17-0201	STOUT, MARGIN JR.	RO	PITTSTOWN	08867	NJ
22-17-0205	EMMONS, WILLIAM M. JR.	R D 1	STOCKTON	08559	NJ
22-17-0210	SUTTON, HOWARD & SON	FRMRVL RD RD1 BX 6	CALIFON	07830	NJ
22-17-0217	ROLLING KNOLLS FARM	R D 1 BOX 32	CALIFON	07830	NJ
22-17-0220	FISHER, HENRY	SRRING MEADOW FM R	STOCKTON	08559	NJ
22-17-0223	TILSTRA, P. & SON	R D	MILFORD	08848	NJ
22-17-0224	STOUT, LEROY	OLD YORK ROAD	LAMBERTVILLE	08530	NJ
22-17-0227	PAUCH, JAMES	R D	FRENCHTOWN	08825	NJ
22-17-0236	GULICK, RICHARD HO 1	R O	RINGOES	08551	NJ
22-17-0237	HORPAUGH, RAYMOND	R D	CALIFON	07830	NJ
22-17-0243	VAN MIDDLESWORTH, FRANK	RD	ASBURY	08802	NJ
22-25-0005	PETTIT, ELMER S.	R D 2 BOX 14	WOODSTOWN	08098	NJ
22-25-0008	MILLER, CARLTON	STEWARD RD. R F D	WOODSTOWN	08098	NJ
22-25-0016	MYERS, HARRISON	R D 1	WOODSTOWN	08098	NJ
22-25-0019	WILLIAMS, C. SWING		ELMER	08318	NJ
22-25-0022	WALDAC FARM	R F O 1	SALEM	08079	NJ
22-25-0041	A. I. M. S.	MENANTICA OFFICE	VINELAND	08360	NJ
22-25-0060	DAVIS, F. ROLLD	R O 1	BRIDGETON	08302	NJ
22-25-0084	MCALLISTER, LESTER	R D I	BRIDGETON	08302	NJ
22-25-0086	FLITCRAFTS CREAM VLLY OR	195 EAST AVENUE	WOODSTOWN	08098	NJ
22-25-0096	HAYNES, BEN JR.	R D 3	SALEM	08079	NJ
22-25-0098	HUBSCHMIDT, JOHN	R O 1	BRIDGETON	08302	NJ
22-25-0104	AMBRUSTER, LARRY C.	R D 1	MULLICA HILL	08062	NJ
22-25-0116	ELLER, JAMES	FOX'S MILL ROAD R	ELMER	08318	NJ
22-25-0120	GRIFFIN BROTHERS	EWAN ROAD	MULLICA HILL	08062	NJ
22-25-0126	MYERLYN FARM	R O 3	ELMER	08318	NJ
22-25-0130	HORNER, WILLARD B. & SON		HARRISONVILLE	08039	NJ
22-25-0131	HACKETT, RAYMOND W.		HARRISONVILLE	08039	NJ

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP-CODE	STATE
22-25-0132	STRING-FIELD FARM	CLARENCE&BOBSTRING	SWEDESBORO	08085	NJ
22-25-0133	STRING, ALVIN JR.		HARRISONVILLE	08039	NJ
22-25-0134	BENNETT, CLARENCE		SWEDESBORO	08085	NJ
22-25-0135	POOL, E. OWEN	UNION ROAD	MICKLETON	08056	NJ
22-25-0144	HOLMELAND	R D 3	SALEM	08079	NJ
22-26-0007	EVERETT, JOHN E.	R D 1	SOMERVILLE	08876	NJ
22-26-0029	VANNUYS, L. MARTIN	R D 1	BELLE MEAD	08502	NJ
22-26-0030	RISKOROWSKI, J. V.	R D 3	PRINCETON	08540	NJ
22-26-0033	FOUR OAKS FARM	R D 3	SOMERVILLE	08876	NJ
22-26-0068	NORZDALE	BOX 279	NESHANIC STATION	08853	NJ
22-26-0073	SUTTON, E LESTER & SONS	ROUTE 28	NORTH BRANCH	08855	NJ
22-26-0074	WINANT, MRS. JANINE L.	GREAT RD.	PRINCETON	08540	NJ
22-26-0088	ANIMAL MED CTR-JACKSON	130 S.BRANCH RIVER	SOMERVILLE	08876	NJ
22-26-0102	SUTTON, E LESTER & SONS	ROUTE 28	NORTH BRANCH	08855	NJ
22-26-0148	FLANNERY, MIKE		BELLE MEAD	08502	NJ
22-26-0150	NEW JERSEY EXP. STA. HOL	DEPT. ANIMAL SCIEN	NEW BRUNSWICK	08903	NJ
22-26-0151	ANIMAL CTR FM2-MCCONVILL	130 S BRANCH RIBER	SOMERVILLE	08876	NJ
22-26-0152	DUKE FARMS HD 3	ATT DAIRY MGR RD 1	SOMERVILLE	08876	NJ
22-29-0021	SPACE FARMS	R D 3	SUSSEX	07461	NJ
22-29-0044	ROBERTS, STANLEY & SONS	R D 1	PORT JERVIS	12771	NY
22-29-0098	LANGERAAP, CHARLES	R D 1	LAFAYETTE	07848	NJ
22-29-0114	WRIGHT, WALTER R.	RD 1 BOX 472	SUSSEX	07461	NJ
22-29-0115	KLIM, ALBERT A.	R D 1	SUSSEX	07461	NJ
22-29-0135	LODESTAR FARMS, BEHRMAN	ROUTE 2 BOX 115	NEWTON	07860	NJ
22-29-0147	MEYER, GEORGE F.	R D 1 BOX 192	LAFAYETTE	07848	NJ
22-29-0154	SCOTT, EDWARD JR.	BOX 22	LAFAYETTE	07848	NJ
22-29-0167	BALDWIN, WARREN	R D 2	SUSSEX	07461	NJ
22-29-0169	RRICE, RONALD E.	R D 1	LAFAYETTE	07848	NJ
22-29-0177	FAIRVIEW HILL FM S DYKEM	RD5 BOX 67	NEWTON	07860	NJ
22-29-0182	RICKER, HERM AND SONS	R D 1	SUSSEX	07461	NJ
22-29-0183	KUPERUS, RETER	R D 1 BOX 383	SUSSEX	07461	NJ
22-29-0188	FETZER, ARTHUR	R D	AUGUSTA	07822	NJ
22-29-0233	SAINT ANTHONY,S GUILD	UMBRIAN FARM	LAFAYETTE	07848	NJ
22-29-0251	RAAB, WILLIAM	R D 3	SUSSEX	07461	NJ
22-29-0253	MOONEY, NETTIE W.		ANDOVER	07821	NJ
22-29-0254	GORDON, WILLIAM F.	R D 3 BOX 632	NEWTON	07860	NJ
22-29-0269	FRANCISCO, H F & SONS FM		ANDOVER	07821	NJ
22-29-0303	TANIS, JACOB	IDEAL GUERNSEY FAR	AUGUSTA	07822	NJ
22-29-0311	AUKEMA, OWEN FM 3	R D 2	SUSSEX	07461	NJ
22-29-0313	HAMMING, IKE	R D 3	SUSSEX	07461	NJ
22-29-0314	HENDERSON, WILLIAM & BAR	BOX 32A	AUGUSTA	07822	NJ
22-29-0324	BOOTSMA, JACOB	R D 1	LAFAYETTE	07848	NJ
22-29-0329	BYMA, HENRY	R D 3 BOX 485	SUSSEX	07461	NJ
22-29-0336	METCALF FARMS, L. METCAL	R D 1 BOX 361	BRANCHVILLE	07826	NJ
22-29-0361	LEES HILL FARM	ATT VERNON HULL	NEW VERNON	07976	NJ
22-29-0365	IDEAL FARMS INC.	HOLSTEIN	AUGUSTA	07822	NJ
22-29-0368	AUKEMA, BRUCE	RD3 LEWISBURG ROAD	SUSSEX	07461	NJ
22-36-0002	HOSER, KENNETH J.	R D 1	STEWARTSVILLE	08886	NJ
22-36-0003	SCOTT, JOHN & SONS	R D 1	BLOOMSBURY	08804	NJ
22-36-0014	JONES, WALTER	R D 1	COLUMBIA	07832	NJ
22-36-0017	MIERS, FRED	R D 1	COLUMBIA	07832	NJ
22-36-0019	UNANGST, OSCAR	R D	BELVIDERE	07823	NJ
22-36-0029	SLATE FALLS DAIRY FARM	R D 2	BLAIRSTOWN	07825	NJ
22-36-0036	DANKS AND SHEETS	BOX 46	ALLAMUCHY	07820	NJ
22-36-0047	GIBBS FARM 1		ALLAMUCHY	07820	NJ
22-36-0061	CRONCE, CHARLES N. & SON	R D 1	ASBURY	08802	NJ
22-36-0063	RUSH, ALBERT Y.	R D	HAMPTON	08827	NJ
22-36-0066	WOOLF, EARL J AND EDGAR	R D 1	ASBURY	08802	NJ
22-36-0068	FOSTER, A. & HUGHES S.	R D 1	BLAIRSTOWN	07825	NJ
22-36-0074	FREY, ROBERT I.	R D 1	PHILLIPSBURG	08865	NJ
22-36-0159	CASTLE CREEK DAIRY FARM	ROBERT L KAYHART R	PORT MURRY	07865	NJ
22-36-0163	NOORDENBOS, ERNEST	R D 5 BOX 44	NEWTON	07860	NJ
22-36-0172	PINEYHILL FARMS INC.	R D 1	WASHINGTON	07882	NJ
22-36-0183	CHILDRESS BROTHERS HD 1	R D 2 BOX 66	BLAIRSTOWN	07825	NJ
22-36-0184	PFAFF, DAVID	BOX 203	GREAT MEADOWS	07838	NJ
22-36-0185	CANTI, RAYMOND	R D 2	PHILLIPSBURG	08865	NJ
22-36-0188	FREEBORN, RAYMOND	BOX 119	ALLAMUCHY	07820	NJ
22-36-0193	TRANQUILLITY FARMS		ALLAMUCHY	07820	NJ
22-36-0194	DANKS & FREEBORN BROTHER		ALLAMUCHY	07820	NJ
22-36-0196	SALTERFIELD FARM	HARMONY-MONTANA RD	PHILLIPSBURG	08865	NJ
22-36-0200	SCOTT FARM	WEST MILL ROAD	LONG VALLEY	07853	NJ
22-36-0203	RITTER BROTHERS	LARISON ROAD	CHESTER	07930	NJ
22-36-0207	ROEHRICH, HENRY	R D	HACKETTSTOWN	07840	NJ
22-36-0212	ELSAESSER,RICH.JR.&KAREN	R.D. 1, BOX 41	BLAIRSTOWN	07825	NJ
22-36-0215	MAKAREVICH FARMS	R D 1	COLUMBIA	07832	NJ
22-36-0221	GEBEL, HERMAN J. JR.	R D 1 BOX 287	COLUMBIA	07832	NJ
23-01-0029	E NOEL % P REDDING	R D 1	HANOVER	17331	PA
23-01-0038	WADE BROWN	R D 1	LITTLESTOWN	17340	PA
23-01-0073	ROBERT E GITT	R D 2	LITTLESTOWN	17340	PA
23-01-0094	ROBEL ACRES	R D 1	NEW OXFORD	17350	PA
23-01-0095	MERVIN K MYERS	R D 2	LITTLESTOWN	17340	PA
23-01-0106	R W & M R DURBORAW	R D 1	GETTYSBURG	17325	PA
23-01-0115	M J STARNER & SONS	R D 1	NEW OXFORD	17350	PA
23-01-0148	MILTON R HOFFMAN	R D 5	GETTYSBURG	17325	PA
23-01-0152	KLING AYR FARMS	R D 2	NEW OXFORD	17350	PA

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	. . . . ADDRESS OF OWNER . . . . STREET OR ROUTE	TOWN	ZIP-CODE	STATE
23-01-0153	BUTTONWOOD FARMS	R D 2	YORK SPRINGS	17372	PA
23-01-0154	H MILLER & GOBRECHT	R D 2 BOX 53	NEW OXFORD	17350	PA
23-01-0155	ROY A WEAVER JR	R D 6	GETTYSBURG	17325	PA
23-01-0164	TYRONE M FARMS	R D 2 SHARRER	NEW OXFORD	17350	PA
23-02-0001	WOODVILLE ST HOSP	C/O FARM MANAGER	CARNEGIE	15106	PA
23-02-0008	MAYVIEW STATE HOSP	FARM MANAGER	BRIDGEVILLE	15017	PA
23-02-0027	KUEHN BROS	915 MAC BETH DRIVE	MONROEVILLE	15146	PA
23-02-0028	HALMAR FARM	R D 1	IMPERIAL	15126	PA
23-02-0042	JOSEPH MC WREATH	R F D 1	MC DONALD	15057	PA
23-02-0047	R C & F G HAYDEN	R D 3	ELIZABETH	15037	PA
23-03-0001	FRANK SCHRECENGOST	R D 2	DAYTON	16222	PA
23-03-0007	LEROY SHROCK	R D 1	DAYTON	16222	PA
23-03-0037	D J CLAYPOOLE & SON	RD 2	WORTHINGTON	16262	PA
23-03-0039	KEITH RUFFANER	R D 2	WORTHINGTON	16262	PA
23-03-0040	RAY CLAYPOOLE & SONS	R D 2	WORTHINGTON	16262	PA
23-03-0041	JACK R WILSON	R D 2	WORTHINGTON	16262	PA
23-03-0052	T E MILLER & SON	R D 1	COWANSVILLE	16218	PA
23-03-0053	BOWSER DAIRY	R D 1	WORTHINGTON	16262	PA
23-03-0058	MARK H CAMPBELL	R D 1	FORD CITY	16226	PA
23-04-0010	MC CHESNEY BROS	R D 1	NEW GALILEE	16141	PA
23-04-0019	LLOYD BRENNER & SONS	R D 1	ROCHESTER	15074	PA
23-04-0020	ELDER VOGEL	R F D 1	ROCHESTER	15074	PA
23-04-0027	JOHN MC COY	R D 1	ALIQUIPPA	15001	PA
23-04-0029	THREE SEAS FARM	R D 1	HOOKSTOWN	15050	PA
23-04-0030	DUANE MILLER	R D 1	CLINTON	15026	PA
23-04-0066	FLOYD E & R M BONZO	R D 1 BOX 216	ROCHESTER	15074	PA
23-05-0002	LUTHER & RAY AMICK	R D 1	NEW ENTERPRISE	16664	PA
23-05-0013	ROBERT H BEACH	R D 1	ROARING SPRINGS	16673	PA
23-05-0028	PAUL FORD	R F D 1	EVERETT	15537	PA
23-05-0061	STANLEY A KOONTZ JR	R D 4	BEDFORD	15522	PA
23-05-0062	J ALLEN BAKER	R D 4	BEDFORD	15552	PA
23-05-0082	EUGENE D KING	R D 1	NEW ENTERPRISE	16664	PA
23-05-0096	ELWOOD SMITH	R D 1	NEW ENTERPRISE	16664	PA
23-05-0108	RALPH E RITCHEY	R D 1	HOPEWELL	16650	PA
23-05-0124	ROBERT SMITH & SON	R D 2	BEDFORD	15522	PA
23-05-0131	LUTHER D STEELE SONS	R D 1	NEW ENTERPRISE	16664	PA
23-05-0143	BYRON DVER	R D 1	ROARING SPRING	16673	PA
23-05-0146	WILLIAM H HELSEL	R D 1	NEW ENTERPRISE	16664	PA
23-05-0151	SINKING SPRING FARM	R F D 1	EVERETT	15537	PA
23-05-0152	RAY A SOLLENBERGER	R D 3	EVERETT	15537	PA
23-05-0162	POTTER CREEK FARMS	R D 1	NEW ENTERPRISE	16664	PA
23-05-0165	ROBERT REPLOGLE	R 1	NEW ENTERPRISE	16664	PA
23-05-0186	HAROLD K CORLE	R D 1	ROARING SPRING	16673	PA
23-05-0232	BERNARD SNIDER	R D 1	NEW ENTERPRISE	16664	PA
23-05-0241	HARRY W WAREHAM	R D 1	EVERETT	15537	PA
23-05-0244	CLARENCE & KEN MOWRY	R D 1	ROARING SPRING	16673	PA
23-05-0250	RAYMOND HINISH JR	R D 1	SAXTON	16678	PA
23-05-0258	ALBERT C FULMOR	BOX 6	BAKER SUMMIT	16614	PA
23-05-0269	JOHN SCOTT & SONS	R D 1	SAXTON	16678	PA
23-05-0273	ROBERT W DETWILER	BOX 18	NEW ENTERPRISE	16664	PA
23-06-0001	JACOB G LEIBY	R 2	HAMBURG	19526	PA
23-06-0006	ROBERT D SEIDEL	R 3	FLEETWOOD	19522	PA
23-06-0007	PAUL J SIEGFRIED	R 1	MERTZTOWN	19539	PA
23-06-0020	HARRY A LUTZ	R 2	KEMPTON	19529	PA
23-06-0021	ELLIS R KUNKEL	R 2	KEMPTON	19529	PA
23-06-0022	MARK D BAILEY	R 2	KEMPTON	19529	PA
23-06-0031	ROY Y STOLTZFUS	R D 2	DOUGLASSVILLE	19518	PA
23-06-0036	DAN E MAST	R D 1	OLEY	19547	PA
23-06-0037	RALPH C RICHARD	R D 1	OLEY	19547	PA
23-06-0040	ELMER W HOWARD & SON	R D 1	OLEY	19547	PA
23-06-0046	SAMUEL G YODER		SHOEMAKERSVILLE	19555	PA
23-06-0047	GEORGE E SEIDEL	R D 1	WOMELSDORF	19567	PA
23-06-0059	SHOW TOP FARMS	R D 1	ALBURTIS	18011	PA
23-06-0061	W DREIBELBIS & SONS	R 1	SHOEMAKERSVILLE	19555	PA
23-06-0066	RAY M SATTAZAHN	R F D 1	WOMELSDORF	19567	PA
23-06-0069	J HERSHEY MYER	R D 1 BOX 166	WOMELSDORF	19567	PA
23-06-0074	DANIEL J HARNISH	R D 1	RICHLAND	17087	PA
23-06-0077	PAUL F HOLLENBACH	R D 1	BETHEL	19507	PA
23-06-0080	WILLIAM A GRIMES	STAR ROUTE	SHARTELSVILLE	19554	PA
23-06-0093	WERNERSVILLE ST HOSP	C/O D E WAGNER	WERNERSVILLE	19565	PA
23-06-0109	ROGER S BUCH	R D 2	FLEETWOOD	19522	PA
23-06-0118	REU HEL FARMS INC	R D 1	MOHRSVILLE	19541	PA
23-06-0121	LEE C WEBBER	BOX 98	MYERSTOWN	17067	PA
23-06-0126	VISTA GRANDE FARM	R D 2	FLEETWOOD	19522	PA
23-06-0131	EARL R HOFFMAN	R D 1	OLEY	19547	PA
23-06-0135	MARK A WOLFSKILL	R D 1	ROBESONIA	19551	PA
23-06-0143	RODGER L WAGNER	R D 1	OLEY	19547	PA
23-06-0147	FERYL J TREICHLER	R 3	KUTZTOWN	19530	PA
23-06-0151	HENRY W WAGNER	R F D 3	BOYERTOWN	19512	PA
23-06-0153	DONALD B DUNCAN	R D 1	ROBESONIA	19551	PA
23-06-0155	CHARLES R KISSLING	R D 1	ROBESONIA	19551	PA
23-06-0180	DONALD E LANDIS	R D 1	MYERSTOWN	17067	PA
23-06-0184	CHARLES W LAMM	R D 5	SINKING SPRINGS	19608	PA
23-06-0187	LEONARD G STOLTZFUS	BOX 58	YELLOW HOUSE	19568	PA
23-06-0189	MRS M M MERTZ	R D 3	KUTZTOWN	19530	PA

TABLE 7. LIST OF HERO-OWNERS (CONTINUED).

HERO CODE	NAME OF OWNER	. . . . ADDRESS OF OWNER . . . . STREET OR ROUTE	TOWN	ZIP-CODE	STATE
23-06-0193	FLOYO WEBER	R R 1	MOHNTON	19540	PA
23-06-0195	OLEY VALLEY FARMS	R O 2	OLEY	19547	PA
23-06-0227	KER MIN FARMS	BOX 36 R O 3	FLEETWOOD	19522	PA
23-06-0239	WILLIAM G HOWERTER	R 2	KEMPTON	19529	PA
23-06-0245	CHARLES PLUSHANSKI	R O 3	KUTZTOWN	19530	PA
23-06-0247	JAMES G STUTZMAN	R O 3	KUTZTOWN	19530	PA
23-06-0248	FREO BOHN & SONS	R D 1 BOX 123	MYERSTOWN	17067	PA
23-06-0251	OALE H WILSON	R O 2 BOX 539C	READING	19605	PA
23-06-0260	CHARLES O MOYER	R O 2	BERNVILLE	19506	PA
23-06-0266	KENNETH L STUTZMAN	R D 2	KUTZTOWN	19530	PA
23-06-0271	WAY HAR FARMS	R D 1	BERNVILLE	19506	PA
23-06-0276	JOHN H STUMP	R D 2	BERNVILLE	19506	PA
23-06-0280	F M BROWNS SONS INC	R R 2	DOUGLASSVILLE	19518	PA
23-06-0281	OANIEL H SCHLEGEL	R O 1	OLEY	19547	PA
23-06-0283	ROBERT L SEIDEL	R O 1 BOX 111	LENHARTSVILLE	19534	PA
23-06-0307	OONALO M MEYERS	R O 2	KEMPTON	19529	PA
23-06-0309	ANDREW D STOLTZFUS	R O 2	ELVERSON	19520	PA
23-06-0314	RICHARO R TROUTMAN	R D 1	RICHLAND	17087	PA
23-06-0319	GLAOYS I SWOPE	R O 2	BERNVILLE	19506	PA
23-06-0323	HOWARO H GELSINGER	R O 1 BOX 114	ROBESONIA	19551	PA
23-06-0324	GEORGE E MOYER	R O 1	MYERSTOWN	17067	PA
23-06-0338	J D ROSENBAUM & SON	R D 1	DOUGLASSVILLE	19518	PA
23-06-0341	MUDDY CREEK FARM	R D 1	MYERSTOWN	17067	PA
23-06-0346	GENE A REED	4901 STOUDTS FY RD	READING	19605	PA
23-06-0349	RICHARO HOPPES	R D 2 BOX 249R	HAMBURG	19526	PA
23-06-0350	OREY BROS	R O 2	DOUGLASSVILLE	19518	PA
23-06-0351	RAY E BICKSLER	R O 2	BERNVILLE	19506	PA
23-06-0353	PINNACLE VIEW DAIRY	ROBT KETTERER R O	KEMPTON	19529	PA
23-06-0354	FRANK G GROMLICH	R D 2	HAMBURG	19526	PA
23-06-0362	ROBERT C OREISBACH	R O 1	HAMBURG	19526	PA
23-06-0365	MATTHEW L OEGLER	R O 1	LEESPORT	19533	PA
23-06-0371	RAYMONO A SEIOEL	BOX 421	RICHLAND	17087	PA
23-06-0372	LUSTAN FARM	STANLEY NIEZNAY R	FLEETWOOD	19522	PA
23-06-0379	ERNEST O MILLER	R D 2	HAMBURG	19526	PA
23-06-0380	HAROLD&GEORG SCHULER	R D 2	FLEETWOOD	19522	PA
23-06-7396	CLARENCE C SATTAZAHN	R O 1 BOX 96	WOMELSDORF	19567	PA
23-07-0015	JOHN BURKET	R O 1	TYRONE	16686	PA
23-07-0017	J ROBERT DAUBERMAN	R O	ROARING SPRING	16673	PA
23-07-0024	RALPH FORSHT	R D 1	DUNCANSVILLE	16635	PA
23-07-0025	LIN WAY ACRES	R D	ROARING SPRING	16673	PA
23-07-0049	OONALO R SMITH	R D 2	MARTINSBURG	16662	PA
23-07-0050	JAMES SMITH	R D	ROARING SPRINGS	16673	PA
23-07-0057	EARL STONEROOK	R O 1	MARTINSBURG	16662	PA
23-07-0059	MARY WALTERS	R O BOX 74	CLAYSBURG	16625	PA
23-07-0061	J E WILLIAMSON		BELLWOOD	16617	PA
23-07-0074	HAROLO STEELE	R O	ROARING SPRING	16673	PA
23-07-0082	OONALO L BRUMBAUGH	R D 1	MARTINSBURG	16662	PA
23-07-0084	RICHARO HELTZEL	R D	MARTINSBURG	16662	PA
23-07-0085	RICH LOU FARMS	RICHARD J FREDERIC	R O 2 MARTINSBURG	16662	PA
23-07-0091	OALE W HOOVER	R D	MARTINSBURG	16662	PA
23-07-0099	CLOVER WILL FARMS	R O 1	WILLIAMSBURG	16693	PA
23-07-0107	HAROLO YINGLING	R O	MARTINSBURG	16662	PA
23-07-0108	OSWALO BROS	R D 2 BOX 108	TYRONE	16686	PA
23-07-0113	FREO SMITH	R O 2	MARTINSBURG	16662	PA
23-07-0119	MILTON CORLE & SONS	R O 2	MARTINSBURG	16662	PA
23-07-0121	GEORGE BRIOENBAUGH	R O 1	MARTINSBURG	16662	PA
23-07-0124	OAVIO C BURKET	R D	EAST FREEDOM	16637	PA
23-07-0126	EMILE OILLING	R O 2	WILLIAMSBURG	16693	PA
23-07-0129	MARION SMITH	R F O 2	MARTINSBURG	16662	PA
23-07-0133	STANLEY CRAWFORO	R D 1 BOX 158	TYRONE	16686	PA
23-07-0137	FREO BECHTEL		CURRYVILLE	16631	PA
23-07-0140	J CALVIN BAKER	R D 2	WILLIAMSBURG	16693	PA
23-07-0148	SAMUEL BLACK	R D 3 BOX 398	ALTOONA	16601	PA
23-07-0154	HARLD&BERNARO BAILEY	R 1	ROARING SPRING	16673	PA
23-07-0157	OAR WIL FARMS	R O 1	MARTINSBURG	16662	PA
23-07-0165	ROBERT A BRUMBAUGH	R D 1	MARTINSBURG	16662	PA
23-07-0167	MALCOM ORAKE	R O 2	MARTINSBURG	16662	PA
23-07-0179	LENARO BURKET	R O 2	WILLIAMSBURG	16693	PA
23-07-0183	HAROLO J METZKER	R O 2	MARTINSBURG	16662	PA
23-07-0187	WILLIAM R ENGLANO	R O 1	WILLIAMSBURG	16693	PA
23-07-0188	R W SMITH & BROS	R D 2	HOLLIDAYSBURG	16662	PA
23-07-0200	ROBERT STULTZ	R O 2 BOX 122	WILLIAMSBURG	16693	PA
23-07-0203	GLENN R HOOVER	R O 2	MARTINSBURG	16662	PA
23-07-0204	OONALO GEARHART	R O 2	MARTINSBURG	16662	PA
23-07-0210	HAROLO A WAREHAM	R D	ROARING SPRING	16673	PA
23-07-0211	J OONALO BAKER	R D	MARTINSBURG	16662	PA
23-07-0215	ELWOOO H STITT	R D 1	MARTINSBURG	16662	PA
23-07-0217	BYRON E SOLLENBERGER		CURRYVILLE	16631	PA
23-07-0218	GARY G SMITH	R O	ROARING SPRING	16673	PA
23-07-0221	JOHN MORROW	R D 1 BOX 171	TYRONE	16686	PA
23-08-0001	L FLEMING & SONS	R O 1	TROY	16947	PA
23-08-0006	GARY ROCKWELL	R D 3	TROY	16947	PA
23-08-0008	OUANE MATTOCKS	R D 2	TROY	16947	PA
23-08-0034	MAPOVAL FARMS INC	R D 1	MILAN	18831	PA
23-08-0038	FOX CHASE FARMS		TOWANDA	18848	PA

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	. . . . A D D R E S S O F O W N E R . . . . STREET OR ROUTE	TOWN	ZIP-CODE	STATE
23-08-0039	WM BRUCE BRESEE	R D 1	ULSTER	18850	PA
23-08-0041	BRADFORD COUNTY HOME	R D 3	TROY	16947	PA
23-08-0044	RALRH KERRICK & SON	R D 4	TOWANDA	18848	PA
23-08-0057	LEROYDALE FARMS	JOHN L BRACKMANESQ	CANTON R D 1	17724	PA
23-08-0064	WILCOX BROS	R D 1	CANTON	17724	PA
23-08-0067	JOHN SWINGLE & SON	R D 1	CANTON	17724	PA
23-08-0071	P F & LARRY FLEMING	R D 1	GRANVILLE SUMMIT	16926	PA
23-08-0087	BENNETT R YOUNG	R D 1	MILAN	18831	PA
23-08-0089	RONALD MACWHINNIE	R D 1 BOX 92	COLUMBIA CROSS RD	16914	PA
23-08-0104	FRED & DALE MATTOCKS	R D 2	COLUMBIA CROSS RD	16914	PA
23-08-0124	RUSSEL L JONES		LITTLE MEADOWS	18830	PA
23-08-0135	ROE RUSSELL JR	R D #1	ROME	18837	PA
23-08-0137	THOMAS MC CARTY		SUGAR RUN	18846	PA
23-08-0138	E P KENNEDY	R D 1	WYALUSING	18853	PA
23-08-0139	JOHN H HOWARD & SONS	R D 2	WYALUSING	18853	PA
23-08-0140	JOHN CULVER	R D 2	LACEYVILLE	18623	PA
23-08-0143	LYNN A MILLER	R D 2	TOWANDA	18848	PA
23-08-0144	GEORGE KERRICK	R D 2	TOWANDA	18848	PA
23-08-0146	SHUMHURST FARM	R D 1	WYALUSING	18853	PA
23-08-0147	KENAVA FARMS	R D 2	TOWANDA	18848	PA
23-08-0152	BARRETT BROTHERS	R D 4	TOWANDA	18848	PA
23-08-0153	R CHAMPLUVIER & SON	R D 2	WYALUSING	18853	PA
23-08-0157	JAMES HOWARD	R D 2	WYALUSING	18853	PA
23-08-0163	CARLTON & TED DIBBLE	R D 2	NEW ALBANY	18833	PA
23-08-0164	PAUL GRAY	R D 2	LACEYVILLE	18623	PA
23-08-0170	VERNON&ROBERT ALLIS	R D 1	WYALUSING	18853	RA
23-08-0172	FREDERICK G BUTTS	R D 2	TOWANDA	18848	PA
23-08-0209	LEIGH STURDEVANT	R D 2	WELLSBURG	14894	NY
23-08-0234	GEORGE RAGE JR	R D 2	COLUMBIA CROSS RD	16914	PA
23-08-0246	WM S DAVIS JR		LE RAYSVILLE	18829	PA
23-08-0262	DEAN & JACK BEDFORD	R D 1	CANTON	17724	PA
23-08-0281	BOB&DALE TILLINGHAST	P D 2	GILLETT	16925	PA
23-08-0291	ROBERT S THOMSON	R D 4	WYALUSING	18853	PA
23-08-0309	ELWIN ROBERTS	R D 2	CANTON	17724	PA
23-08-0313	ARCHIE L WILLIAMS	R D 1	LE RAYSVILLE	18829	PA
23-08-0324	ROBERT EICK	R D 3	COLUMBIA CROSS RD	16914	PA
23-08-0330	GLEN & ARLEN LANDIS	R D 1	TROY	16947	PA
23-08-0331	STRONG FARM	% E S WILSON R D 2	COLUMBIA CROSS RD	16914	PA
23-08-0361	DAWSON MOON & SON	R D 2	NEW ALBANY	18833	PA
23-08-0370	CLAYTON OLDROYD	R D 3	COL X ROADS	16914	PA
23-08-0372	WILLIAM BROWN	R D 2	NICHOLS	13812	NY
23-08-0377	STANLEY SAXTON	R D	GRANVILLE SUMMIT	16926	PA
23-08-0378	BEN JACKSON & SONS	R D 2	COLUMBIA CROSS RD	16914	PA
23-08-0390	CLARENCE&KEITH CRAIN	R D 2	WYSOX	18854	PA
23-08-0398	RICHARD BRISTOL	R D 3	TROY	16947	PA
23-08-0401	LOUIS STURDEVANT	STAR ROUTE	MILAN	18831	PA
23-08-0418	LA VERE NOBLE & SON	R D 2	GILLETT	16925	PA
23-08-0421	DONALD E HARKNESS	R D 1	MONROETON	18832	PA
23-08-0432	MAX & ANDY DEWING	R D 1	WARREN CENTER	18851	PA
23-08-0436	MILFORD KINSMAN	R D 3	TROY	16947	PA
23-08-0441	LYLE D MONRO	R D 1	COLUMBIA CROSS RD	16914	PA
23-08-0457	RICHARD KINGSLEY	R D I	COLUMBIA CROSS RD	16914	PA
23-08-0460	JESSE M GARDNER	R D 1	ULSTER	18850	PA
23-08-0462	LLOYD H SEELEY	R D 2	CANTON	17724	PA
23-08-0463	ROBERT L STORCH	R D 3	TROY	16947	PA
23-08-0466	ROY WATSON	R D 1	COLUMBIA CROSS RD	16914	PA
23-08-0468	LOU & JEFF WARNER	R D 2	GILLETT	16925	PA
23-08-0473	MARINUS DE BRUIN	R D 1	CANTON	17724	RA
23-08-0482	RICHARD H PACKARD	BOX 222 R D 3	TROY	16947	PA
23-08-0496	RICHARD D CONOVER JR	R D 2	ULSTER	18850	PA
23-08-0498	ROY WATSON FARM 1	R D 1	COLUMBIA CROSS RD	16914	RA
23-08-0506	FIVE BROOK FARMS	DUANE WILCOX R D 1	CANTON	17724	PA
23-08-0511	ROBERT H WHIPPLE	R D 5	TOWANDA	18848	PA
23-08-0512	DONALD E COLE	R D 3	COLUMBIA CROSS RD	16914	PA
23-08-0524	EAST KNOLL FARM	MELVIN PEIFER	R D 1 CANTON	17724	PA
23-08-0525	JOHN CARRENTER	R D I	TOWANDA	18848	PA
23-08-0528	ABRAHAM S DERSTINE	R D 2 BOX 248	ATHENS	18810	PA
23-08-0529	ROBERT TAYLOR	R D 1	ROME	18837	PA
23-08-0532	H W RUSSELL & SONS	R D 1	ROME	18837	PA
23-08-0537	RICHARD B REAGAN	R D 1 BOX 85	ATHENS	18810	PA
23-08-0543	FRANK HERMAN JR	R D 2 BOX 37	CANTON	17724	RA
23-08-0552	WILLIAM J SMITH	R D 2	MANSFIELD	16933	PA
23-08-0555	TONY & TOM BARRETT	R D 1	ATHENS	18810	RA
23-08-0556	G ALBRECHT R BUTCHER	R D 1	COLUMBIA CROSS RD	16914	PA
23-08-0559	EUGENE FRANKLIN	R D 2	WYALUSING	18853	PA
23-08-0561	RAY T ROWE	R D I	MILAN	18831	PA
23-08-0562	CHARLES HARRIS	R D 1	MILAN	18831	PA
23-08-0563	HARRIS DUNKLEBERGER	R D 2	MILLERTON	16936	RA
23-08-0569	LE CANVILLE FARM	RD2 %DONALD G HELL	CANTON	17724	PA
23-08-0585	EASTMANS	R D I	ROME	18837	PA
23-08-0589	ROBERT & GARY BURKE	R D 1	SUGAR RUN	18846	PA
23-08-0592	LATINI BROTHERS	R D I	WYALUSING	18853	PA
23-08-0608	JOHN N TAYLOR	R D 4	WYALUSING	18853	PA
23-08-0626	DESTINY DALE FARMS	R D 2	WYALUSING	18853	PA
23-08-0631	JAMES KELLY	R D 1 BOX 104	GRANVILLE SUMMIT	16926	PA

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	. . . . ADDRESS OF OWNER . . . . STREET OR ROUTE	TOWN	ZIP-CODE	STATE
23-08-0653	HARVEY HENNIP	R D 1	ROME	18837	PA
23-08-0671	MERLE WATSON	R D 1	COL CROSS ROADS	16914	PA
23-08-0672	RICHARD BEACH	R D 2	COLUMBIA CROSS RD	16914	PA
23-08-0673	PATRICK BARRETT	R D 4	TOWANDA	18848	PA
23-08-0676	WILLIAM EICK	RD 1	COL CROSS RDS	16914	PA
23-08-0678	TOMEPHYLIS RADOMSKI	R D I	GRANVILLE SUMMIT	16926	PA
23-08-0690	WILBUR D ANDERSON	R D 3	TROY	16947	PA
23-08-0692	G VANDERPOOL & SONS	R D 3	TOWANDA	18848	PA
23-08-0700	DALE TILLINGHAST	RD 2	GILLETT	16925	PA
23-08-0704	DONALD PACKARD	R D 1	GRANVILLE SUMMIT	16926	PA
23-08-6001	C & F SHAFFER	R D 1	WYALUSING	18853	PA
23-08-6002	F & C SHAFFER	R D 1	WYALUSING	18853	PA
23-08-6004	WALTER WARBURTON	R D 1	WYALUSING	18853	PA
23-08-7280	ROBERT H PETERS	R D 3	TROY	16947	PA
23-08-7429	R BROWN & R ELY	R D 2	WYALUSING	18853	PA
23-09-0032	P & C BERGER	R D	KITNERSVILLE	18930	PA
23-09-0036	PARRY BROS		RUSHLAND	18956	PA
23-09-0039	ROBERT H JAMISON	337 MIDDLE HOLLAND	HOLLAND	18966	PA
23-09-0051	WALTER B WURSTER	R D 1	OTTSVILLE	18942	PA
23-09-0060	WARREN E BUCKMAN JR	R D 2 BOX 242	PERKASIE	18944	PA
23-09-0061	FREDERICK BROS	R F D 1	NEW HOPE	18938	PA
23-09-0065	LEONARD E CROOKE	BOX 252	NEW HOPE	18938	PA
23-09-0068	H CAL & DORIS WEIKEL	1128 N CALLOWHILL	PERKASIE	18944	PA
23-09-0069	HAROLD B RICK	R D 1	KINTNERSVILLE	18930	PA
23-09-0073	STANLEY R LANDIS	APPLE ROAD R D 4	QUAKERTOWN	18951	PA
23-09-0074	WILMER W RUSH	BOX 229 R R 2	PERKASIE	18944	PA
23-09-0077	OTTO W KUNKEL	R D 1	NEWTOWN	18940	PA
23-09-0079	GRUVER BROS	R D 1	PIPERSVILLE	18947	PA
23-09-0083	PAUL & DORIS DANIELS	BOX 157	PINEVILLE	18946	PA
23-09-0088	RICHARD RIDGWAY	STUMP R D BOX 176	PIPERSVILLE	18915	PA
23-09-0096	CLIFFORD W MOYER	R D 1 BOX 121	PERKASIE	18944	PA
23-09-0101	ROY SHULL	R D 1	PIPERSVILLE	18941	PA
23-09-0102	J EARLE YERKES JR	R D 1	PIPERSVILLE	18947	PA
23-09-0118	JOSEPH HALLOWELL JR	1265 MEARNS RD	WARMINISTER	18974	PA
23-09-0119	PENROSE HALLOWELL		OTTSVILLE	18942	PA
23-09-0131	QUERIPEL & LEEOOM		PIPERSVILLE	18947	PA
23-09-0137	HARRY F ATKINSON	BOX 96	PENNS PARK	18943	PA
23-09-0141	ROBERT A HOLLAND	BOX 40	BEDMINSTER	18910	PA
23-09-0144	BRUCE LEATHERMAN	R D 1 BOX 215	PERKASIE	18944	PA
23-09-0147	JOSEPH M PETERS	BOX 79	DANBORO	18916	PA
23-09-0149	JAMES PAVLICA	R D 1 BOX 21	KINTNERSVILLE	18930	PA
23-09-0151	WILLOW RIDGE FARM	BOX 146	BUCKINGHAM	18912	PA
23-09-0301	HW&WL&CD LOWNES	SYCAMORE ST	NEWTOWN	18940	PA
23-09-0303	JOHN THOMPSON & SONS	FOUNTAIN FARM	NEWTOWN	18940	PA
23-09-0306	BREEZYVALE FARMS INC	W W WRIGHT	YARDLEY	19067	PA
23-09-0314	MR & MRS ROSS GALE	R D 1	YARDLEY	19067	PA
23-09-0322	AMOS K KIRK & SON	R D 1	NEWTOWN	18940	PA
23-09-0412	PAUL L BISHOP	BOX 195 R D 1	PERKASIE	18944	PA
23-09-0415	WILLIAM TYSON	R D 2 BOX 195	PERKASIE	18944	PA
23-09-0417	RAYMOND GROSS	BOX 145	PLUMSTEADVILLE	18901	PA
23-09-0424	FREY & ZOELLIN	R D	OTTSVILLE	18942	PA
23-09-0427	BRODIE CRAWFORD	R D 3	SANDY LAKE	16145	PA
23-09-0433	DARWIN L GRUVER		PIPERSVILLE	18947	PA
23-09-0607	MICHAEL RAPUANO	R F D 1	NEWTOWN	18940	PA
23-09-0609	DELAWARE VAL COLLEGE	OF SCIENCE & AGR	DOYLESTOWN	18901	PA
23-09-0802	JAMES L HOWES	BUCKS COUNTY	NEWTOWN	18940	PA
23-09-0811	H EASTBURN SMITH		NEW HOPE	18938	PA
23-09-0816	L IVINS SMITH	R D 2 BOX 66	NEW HOPE	18938	PA
23-09-0826	CARL R KRESGE	R D 2	NEW HOPE	18938	PA
23-09-0828	FRED BELKE	R D	NEWTOWN	18940	PA
23-09-0829	DIABASE FARM	% HANS GRAMM	R D 2 NEW HOPE	18938	PA
23-09-0902	R WORTHINGTON & SON	R D 1	DOYLESTOWN	18901	PA
23-09-0904	GEORGE S BISHOP	R D 1	DOYLESTOWN	18901	PA
23-09-0906	HAROLD HALDEMAN		DANBORO	18916	PA
23-09-0908	BISHCROFT FARM		FOUNTAINVILLE	18923	PA
23-09-0911	J HENRY MYERS	R D 2	DOYLESTOWN	18901	PA
23-09-0923	W DALE MILL	R D 2	PERKASIE	18944	PA
23-09-7018	CARL SLACK	R F D 1	NEWTOWN	18940	PA
23-09-7057	ERNEST P DETWEILER	R D 1 BOX 1118	KINTNERSVILLE	18930	PA
23-10-0030	HALSTEAD BROS	R D 1	SAXONBURG	16056	PA
23-10-0045	FINLEY COOPER & SON	R D 1	SLIPPERY ROCK	16057	PA
23-10-0061	EVA CAP FARM	R D 6 POWELL ROAD	BUTLER	16001	PA
23-10-0080	SIMPSON FARM	R D 4	BUTLER	16002	PA
23-10-0084	W F & ALBERT HOGG	R D 4	SLIPPERY ROCK	16057	PA
23-10-0095	THEODORE & M MILLER	R D 2	CHICORA	16025	PA
23-10-0099	CURTIS WIBLE	R D 6	BUTLER	16002	PA
23-10-0104	EUGENE GRAHAM	R D 1	EVANS CITY	16033	PA
23-10-0106	WM & LEE KUMMER	R F D 2	EVANS CITY	16033	PA
23-10-0111	WENDELL J SMITH	R D 4	BUTLER	16001	PA
23-10-0113	RICHARD M BEAHM	R D 1	EVANS CITY	16033	PA
23-10-0120	EARL WEBB	R D 1	BUTLER	16001	PA
23-10-0123	JOSEPH M RENO	R D 2 BOX 89	VALENCIA	16059	PA
23-10-0125	GLADYS D SUCCOP	R D 1	RENFREW	16053	PA
23-10-0126	RONALD S BRYAN	R D 1	PETROLIA	16050	PA
23-10-0127	CLAUDE BROWN & SON	R D 1	BUTLER	16001	PA

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	. . . . ADDRESS OF OWNER . . . . STREET OR ROUTE	TOWN	ZIP-CODE	STATE
23-10-0136	DAVID & BRADLEY WISE	R D 1	HARMONY	16037	PA
23-10-7351	VANCE&HARRY BURTNER	R D 4	BUTLER	16001	PA
23-11-0002	ARTHUR FARABAUGH	R D 1	LORETTO	15940	PA
23-11-0012	ORCHARDVALE FARM	R D	PATTON	16668	PA
23-11-0049	VALE WOOD DAIRY	P O BOX 13	CRESSON	16630	PA
23-13-0001	RICHARD KUNKEL	R D 1	WEATHERLY	18255	PA
23-14-0005	CORRECTIONAL INDUSTS	RCKVW % HARRY CORL	BELLEFONTE	16823	PA
23-14-0020	HENRY & JERRY WEIGHT	R D 2	BELLEFONTE	16823	PA
23-14-0023	ALBERT M GRAHAM		PORT MATILDA	16870	PA
23-14-0024	PETERS FARM		PORT MATILDA	16870	PA
23-14-0026	HUGH L WILSON JR		WARRIORS MARK	16877	PA
23-14-0032	GLADELL FARMS	% A REARICK BOX 39	MILLHEIM	16854	PA
23-14-0047	RALPH E COLYER		MILLHEIM	16854	PA
23-14-0053	SHELDON A CORL	BOX302 PINE GROVE	STATE COLLEGE	16801	PA
23-14-0066	JAMES & PAUL HARTLE	R D 1	BELLEFONTE	16823	PA
23-14-0072	ROGER T GREEN		WARRIORS MARK	16877	PA
23-14-0073	RANDALL ALBRIGHT		WARRIORS MARK	16877	PA
23-14-0130	GEORGE E ZIMMERMAN	R D 2	BELLEFONTE	16823	PA
23-14-0151	TED SUNDAY		PINE GROVE MILLS	16868	PA
23-14-0157	FRANK CONNELLY	R D 1	PA FURNACE	16865	PA
23-14-0164	HAROLD W LUCAS	R D 2	BELLEFONTE	16823	PA
23-14-0165	DALE E MILLER	R D 2	SPRING MILLS	16875	PA
23-14-0174	CHARLES REESE	R D 2	HOWARD	16841	PA
23-14-0179	ED OKEEFE	R D 1 BOX 543	BOALSBURG	16827	PA
23-14-0181	JAY HOUSER	R D 2	SPRING MILLS	16875	PA
23-14-0184	PENN STATE UNIV	DAIRY BARN	UNIVERSITY PARK	16802	PA
23-14-0185	PENN STATE UNIV	DAIRY BARN	UNIVERSITY PARK	16802	PA
23-14-0186	PENN STATE UNIV	DAIRY BARN	UNIVERSITY PARK	16802	PA
23-14-0187	PENN STATE UNIV	DAIRY BARN	UNIVERSITY PARK	16802	PA
23-14-0195	BRUCE & GARY SMITH	R D 1	CENTRE HALL	16828	PA
23-14-0202	JOSEPH HARTLE JR	R D 1	BELLEFONTE	16823	PA
23-14-0213	GEORGE R FUTHEY	R D	WOODWARD	16820	PA
23-14-0215	G KENNETH NOLAN		HUBLERSBURG	16842	PA
23-14-0219	DONALD A DREIBELBIS	1101 WEST CLINTON	STATE COLLEGE	16801	PA
23-14-0225	TUSSEY VIEW FMS INC	R D 1	CENTRE HALL	16828	PA
23-14-0226	CLAUDE HOMAN	R D 1	CENTRE HALL	16828	PA
23-14-0237	BARRY KERSTETTER	R D 2	BELLEFONTE	16823	PA
23-14-0251	HAROLD ESTERLINE&SON	R D	REBERSBURG	16872	PA
23-14-0253	G W BROOKS FARM	R D	CENTRE HALL	16828	PA
23-14-0265	LEWIS HOUGH	R D	REBERSBURG	16872	PA
23-14-0271	ROBERT M MILLER	R D	WOODWARD	16882	PA
23-14-0273	R S COURSEN & SONS	R D 2	SPRING MILLS	16875	PA
23-14-0287	LEWIS G KERSTETTER	R D 2	BELLEFONTE	16823	PA
23-14-0293	FRED&RHODA STOLTZFUS		COBURN	16832	PA
23-15-0005	PAUL H EBY	R D	COCHRANVILLE	19330	PA
23-15-0014	JOHN M UMBLE	R D	ATGLEN	19310	PA
23-15-0033	CHARLES H GABLE	R D 1	ELVERSON	19520	PA
23-15-0072	MARSH ACRES FARM	R D 2 BOX 315	ELVERSON	19520	PA
23-15-0082	KIMBERTON FARMS	% ROBERT BALLENTIN	R D2 PHOENIXVILLE	19460	PA
23-15-0083	CAMPHILL VIL USA INC	% HOWARD GOOD	PHOENIXVILLE RD	19460	PA
23-15-0122	WILLIAM P MOORE	BOX 350	CHATTHAM	19318	PA
23-15-0218	HAROLD UMBLE	R D 1	ATGLEN	19310	PA
23-15-0231	H & R MASON	R D 1	NOTTINGHAM	19362	PA
23-15-0240	DAVID WALTON		KENNET SQUARE	19348	PA
23-15-0256	APPLEBROOK GUERNSEYS	DONALD BROWN R D	OXFORD	19363	PA
23-15-0258	EARL M WEIR	R D 2	COCHRANVILLE	19330	PA
23-15-0295	JEFFERSON D YODER	R D 1	ELVERSON	19520	PA
23-15-0296	ELAM PETERSHEIM	R D 1 BOX 3G	MORGANTOWN	19543	PA
23-15-0327	TIGUE BROS	LINAPE ROAD	WEST CHESTER RD5	19380	PA
23-15-0334	JOHN K KING	R D 3 BOX 459	COATSVILLE	19320	PA
23-15-0338	TIMOTHY KAUFFMAN	R D 1	ATGLEN	19310	PA
23-15-0341	WILLOWLAND FARM	R D 1	ATGLEN	19310	PA
23-15-0344	PAUL KING	R D 1	COCHRANVILLE	19330	PA
23-15-0407	CHESTER H SOLTYS&SON	876 SCHUYLKILL ROA	SPRING CITY	19475	PA
23-15-0412	VERNON R UMBLE	R D 1	CHRISTIANA	17509	PA
23-15-0420	ELMER K HERTZLER	R D 2	ELVERSON	19520	PA
23-15-0423	STEPHEN L STOLTZFUS	R D 2	HONEY BROOK	19344	PA
23-15-0432	ELVIN P GRAYBILL	BOX 130	NOTTINGHAM	19362	PA
23-15-0443	RONALD F ELLIOTT	R D 1	POTTSTOWN	19464	PA
23-15-0448	LLOYD MAST	R D 2	ELVERSON	19520	PA
23-15-0457	WILMER L HOSTETTER	R D 1	OXFORD	19363	PA
23-15-0461	ARTHUR D HERSHEY	R D 1	COCHRANVILLE	19330	PA
23-15-0470	NEWTON EVANS JR	R 1 SP A FARM	CHESTER SPRINGS	19425	PA
23-15-0478	SAMUEL B ACKER	R D 1	CHESTER SPRINGS	19425	PA
23-15-0507	JOHN S STOLTZFUS	R D 1	ATGLEN	19310	PA
23-15-0515	HARRY FREESE & SON	R D 2	OXFORD	19363	PA
23-15-0519	NICHOLAS YODER	R D 1	CHRISTIANA	17509	PA
23-15-0525	ARDROSSAN FARMS	DARBY&PAOLI RD ITH	VILLANOVA	19085	PA
23-15-0539	CHARLES R SPOTTS	805 REESEVILLE ROA	COATESVILLE	19320	PA
23-15-0569	H R & H L BROWN	R D 3	OXFORD	19363	PA
23-15-0579	LENAPE DAIRY FARM	DWIGHT O RATH	WAWA	19378	PA
23-15-0580	MERLE J KING	R D 1	COCHRANVILLE	19330	PA
23-15-0593	WALMOORE	BOX 8 A	CHATHAM	19318	PA
23-15-0602	HAROLD J RANCK	R D 2	COCHRANVILLE	19330	PA
23-15-0616	LISETER FARM	% W B TOWLE BOX 99	NEWTOWN SQUARE	19 73	PA

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP-CODE	STATE
23-15-0622	KAUFFMAN BROS	R D 1	ATGLEN	19310	PA
23-15-0626	HAROLD F PYLE	R D 1	MALVERN	19355	PA
23-15-0627	ANN & NELSON YOUNG	BOX 246	WEST GROVE	19390	PA
23-15-0630	DANIEL Z STOLTZFUS	R D 1	HONEY BROOK	19344	PA
23-15-0633	JACOB K STOLTZFUS	R D 1	OXFORD	19363	PA
23-15-0644	LARRY W HERSHEY	R D 1	ATGLEN	19310	PA
23-15-0646	OMER S SMOKER	R D 2	PARKESBURG	19365	PA
23-15-0648	DAVID E WEAVER	R D 1	GLENMOORE	19343	PA
23-15-0654	BUTTONWOOD FARMS		BIRCHRUNVILLE	19421	PA
23-15-0666	HENRY D MARTIN	1 BOX 144	HONEY BROOK	19344	PA
23-15-0670	EDWIN C TODD	225 HILL CHURCH RD	SPRING CITY	19475	PA
23-15-0676	KENNARD E HENLEY JR	R D 2	COCHRANVILLE	19330	PA
23-15-0680	BRYNCOED FARMS INC	R D 2	CHESTER SPRINGS	19425	PA
23-15-0685	BEN S BEILER	R D 1	COCHRANVILLE	19330	PA
23-15-6001	H G HASKELL JR	HILL GIRT FARM	CHADDS FORD	19317	PA
23-15-7063	GEORGE P LAMBORN	RD1 BOX120	NOTTINGHAM	19362	PA
23-16-0004	SHOOKS DAIRY	R D	SLIGO	16255	PA
23-16-0017	FABER MANOR FARMS	R D 1	MAYPORT	16240	PA
23-16-0045	MAHLES FARM	R D 2	CLARION	16214	PA
23-16-0089	EDWARD&KEITH DECKER	R D 2	KNOX	16232	PA
23-16-0093	NEELY FARMS	L L NEELY JR R D 1	EMLENTON	16373	PA
23-17-0023	JOHN SANKEY	R D 2	CLEARFIELD	16830	PA
23-17-0030	WILLIAM E MC FADDEN	R D 1	GRAMPIAN	16838	PA
23-18-0017	HAROLD D MOORE	R D 1	MILL HALL	17751	PA
23-18-0018	MALCOLM PETERS & SON		BEECH CREEK	16822	PA
23-18-0044	GEORGE H HAYES	R D 1 BOX 109	MILL HALL	17751	PA
23-18-0057	KYLE & WALLACE		MACKEYVILLE	17750	PA
23-18-0060	FERN T DUNKLE & SON	R D 1	MILL HALL	17751	PA
23-18-0062	CLAIR D COURTER	BLAIR E COURTER	R D 2 MILL HALL	17751	PA
23-18-0075	HARRY & RONALD MEYER	R D	LOGANTON	17747	PA
23-18-0094	FRED WATTERS	BOX 104 R D 1	MILL HALL	17751	PA
23-18-0098	RICHARD L SCHENCK	R D 2 BOX 496	MILL HALL	17751	PA
23-19-0002	K E DIEFFENBACHER	R D 1	BLOOMSBURG	17815	PA
23-19-0006	FRED J HESS	R D 4	BENTON	17814	PA
23-19-0014	CHARLES R SMITH	R D 1	BENTON	17814	PA
23-19-0043	FRANK LE VAN	R D 3	CATAWISSA	17820	PA
23-19-0057	ALBERT L HACK	R D 2	BERWICK	18603	PA
23-19-0061	J ROBERT BOOK	R D 2	MILLVILLE	17846	PA
23-19-0088	PEN COL FARMS	R D 1	MILLVILLE	17846	PA
23-19-0090	J A & W D FAIRCHILD	ROUTE 2	BERWICK	18603	PA
23-19-0101	NORMAN K FETTERMAN	ROUTE 2	CATAWISSA	17820	PA
23-19-0103	SHULTZ BROS	ROUTE 1	BLOOMSBURG	17815	PA
23-19-0105	CLIFFORD KLINE	R D 3	SHICKSHINNY	18655	PA
23-19-0127	JAMES MARTIN	R D 1	STEVENS	17578	PA
23-19-0138	CARL SLATER	R D 1	BLOOMSBURG	17815	PA
23-20-0036	CARL E HURLBERT	ROUTE 1	JAMESTOWN	16134	PA
23-20-0062	ROY BLACK & SONS	R D 2	SAEGERTOWN	16433	PA
23-20-0065	E WILLIAM MARTIN	R D 1	CONNEAUTVILLE	16406	PA
23-20-0066	DALE FULLER	R D 2	SPRINGBORO	16435	PA
23-20-0079	RICHARD E BLEICHER	R D 2	CONNEAUTVILLE	16406	PA
23-20-0109	HINES BROTHERS	R D 1	COCHRANTON	16314	PA
23-20-0120	JACK RYND	R 4	COCHRANTON	16314	PA
23-20-0130	HASBROUCK FARMS	R 1	TITUSVILLE	16354	PA
23-20-0133	KERR HILL FARM	R D 1	CENTERVILLE	16404	PA
23-20-0139	PAUL E KUNZ & SON	R 1	CENTERVILLE	16404	PA
23-20-0140	GORDON L TURK	R D 1	TITUSVILLE	16354	PA
23-20-0146	A-JAY FARMS	R D 1	SPARTANSBURG	16434	PA
23-20-0153	IVAN A VIRTUE & SON	STAR ROUTE	MEADVILLE	16335	PA
23-20-0210	RUSS & VELMA OAKES	R 1	COCHRANTON	16314	PA
23-20-0263	CROM DELL FARMS	R D 1	JAMESTOWN	16134	PA
23-20-0277	JOHN OSWALD	R D 1	HARTSTOWN	16131	PA
23-20-0279	ROY A HUBER	STAR ROUTE	MEADVILLE	16335	PA
23-20-0280	RICHARD L BLACK	R D 2	SAEGERTOWN	16433	PA
23-20-0287	WAYNE STAINBROOK	R D 3	MEADVILLE	16335	PA
23-20-0297	IVAN & ARDEN DRAKE	R D 2	CAMBRIDGE SPRINGS	16403	PA
23-20-0299	MORRELL FARMS	R D 3	COCHRANTON	16314	PA
23-20-0308	ROBERT C CAMPBELL	R D 2	SAEGERTOWN	16433	PA
23-20-0315	MIKE ZULOVICH	R D 1	EDINBORO	16412	PA
23-20-0320	JAMES A HOLLER	R D 1	JAMESTOWN	16134	PA
23-20-0326	ROOS & HOTSON	R D 6	MEADVILLE	16335	PA
23-20-0328	JOHN R DOCTER	R D 3	CAMBRIDGE SPRINGS	16403	PA
23-20-0334	JOHN R FREE	R D 2	CONNEAUT LAKE	16316	PA
23-20-0335	ROSES DAN-DEE FARMS	R D 1	SPARTANSBURG	16434	PA
23-20-0346	DANIEL J PARKER	R D 1	GUYS MILLS	16327	PA
23-20-0354	JAMES K ANDERSON	R D 2	CENTERVILLE	16404	PA
23-20-0355	ROBERT A FREYERMUTH	R D 6	MEADVILLE	16335	PA
23-20-0380	CHARLES E STEADMAN	R D 1	TOWNVILLE	16360	PA
23-20-0383	MALCOLM CALHOUN	R D 3	GUYS MILLS	16327	PA
23-20-0386	WAGNERS CREST FARMS	R D 6	MEADVILLE	16335	PA
23-20-7133	CLARE E POST	R D 3	CENTERVILLE	16404	PA
23-20-7137	ALDEN POST & SONS	R D 3	CENTERVILLE	16404	PA
23-21-0005	FRED NAUGLE	R D 7	CARLISLE	17013	PA
23-21-0020	ROBERT STROCK	714 WILLIAM GROVE	MECHANICSBURG	17055	PA
23-21-0026	NORMAN HERTZLER	R D 2	MECHANICSBURG	17055	PA
23-21-0030	MELVIN L HERTZLER	RFD 2	MECHANICSBURG	17055	PA

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	. . . . A D D R E S S STREET OR ROUTE	O F O W N E R TOWN	. . . . ZIP-CODE	STATE
23-21-0045	JACK K SUNDAY	R D 1	CARLISLE	17013	PA
23-21-0057	PAUL W CHRONISTER	R D 1	BOILING SPRINGS	17007	PA
23-21-0060	STATE CORRECTNL INST	R D 1	CAMP HILL	17011	PA
23-21-0066	JOHN M LIPPERT	R D 5	CARLISLE	17013	PA
23-21-0082	STANLEY L SPENCER JR	R D 1	NEWVILLE	17241	PA
23-21-0085	J B BRYMESSER & SONS	FARM 2 R D 1	BOILING SPRINGS	17007	PA
23-21-0086	CREEDIN C CORNMAN	R D 6	CARLISLE	17013	PA
23-21-0089	ASHCOMBE FARMS	BOX 14	GRANTHAM	17027	PA
23-21-0091	DAVID L MILLER	R R 2	SHIPPENSBURG	17257	PA
23-21-0105	LEE G DAVIDSON	STAR RT 2	SHIPPENSBURG	17257	PA
23-21-0106	ROY E SNOKE	R D 1	SHIPPENSBURG	17257	PA
23-21-0107	CHESTER&GALEN SMITH	R D 5	SHIPPENSBURG	17257	PA
23-21-0111	CLIFFORD CHAMBERLIN	R D 1	SHIPPENSBURG	17257	PA
23-21-0137	THRUSH BROS	R D 1	SHIPPENSBURG	17257	PA
23-21-0194	RICHARD L LEHMAN	R D 2	NEWVILLE	17241	PA
23-21-0239	E LEE OILER & SON	R D 2	NEWVILLE	17241	PA
23-21-0257	FRED W DYARMAN	R D 1	SHIPPENSBURG	17257	PA
23-21-0277	PAUL STROCK	R D 2	MECHANICSBURG	17055	PA
23-21-0304	ALLEN DAIRY FARMS	BOX 10	CARLISLE	17013	PA
23-21-0310	CLARENCE CORNMAN JR	R D 1	NEWBURG	17240	PA
23-21-0314	ROY J DICE	R D 5	SHIPPENSBURG	17257	PA
23-21-0344	K M HALE & S MARTIN	69 E KING ST	SHIPPENSBURG	17257	PA
23-21-0362	ERBY WELLER	R D 1	NEWBURG	17240	PA
23-21-0377	LESTER L CRIDER	R D 1	SHIPPENSBURG	17257	PA
23-21-0378	FERMAN L LANDIS	R D 1	BOILING SPRINGS	17007	PA
23-21-0381	ALFRED W ZELGER	R D 1 BOX 112	SHIPPENSBURG	17257	PA
23-21-0385	D CLINTON SAUDER	R D 1	BOILING SPRINGS	17007	PA
23-21-0390	EUGENE F HENRY	R D 3	NEWVILLE	17241	PA
23-21-0391	J SHEPHARD WOLFF	VALLEY ACRES FARM	NEWVILLE RD1	17241	PA
23-21-0402	CHARLES L NEHF	R D 2	SHIPPENSBURG	17257	PA
23-21-0404	JAMES EDWARD WENGER	R D 6	CARLISLE	17013	PA
23-21-0405	WILLIAM L MC CULLOCH	R D 4	SHIPPENSBURG	17257	PA
23-21-0409	FRANK J YOST	R D 2	NEWVILLE	17241	PA
23-21-6003	M SHEAFFER UNIT 1	R D 5	CARLISLE	17013	PA
23-21-7099	PAUL E CLEPPER	R D 2	MECHANICSBURG	17055	PA
23-22-0003	HARRISBURG STATE HOS	RF PATTON POUCHA	HARRISBURG	17105	PA
23-22-0010	SAM & TOM WILLIAMS	2400 FULLING MILL	MIDDLETOWN	17057	PA
23-22-0016	JOHN HERTZLER	R D 2	ELIZABETHTOWN	17022	PA
23-22-0020	CONEWAGO FARMS	2623 N MARKET ST	ELIZABETHTOWN	17022	PA
23-22-0028	EARL E KEEFER	R D 1	MILLERSBURG	17061	PA
23-22-0048	CALVIN B MAUSER	R F D 1	ELIZABETHVILLE	17023	PA
23-22-0074	ROBERT J SCHAFFER	R F D 1	ELIZABETHVILLE	17023	PA
23-22-0095	FRANK & MARY COOVER	R D 1	GRANTVILLE	17028	PA
23-22-0096	STONEY LAWN FARMS	1597 COLEBROOK RD	MIDDLETOWN	17057	PA
23-22-0100	LYTLE FARMS INC	915 E HBG PIKE	MIDDLETOWN	17057	PA
23-22-0114	PEGMAR FARM	R D 2 BOX 474	HALIFAX	17032	PA
23-22-0115	J MELVIN BRANDT	R D 1	HERSHEY	17033	PA
23-22-0121	ROY C WILBERT	R D 1	HALIFAX	17032	PA
23-22-0124	GREATVIEW FARMS	R D 4	LINGLESTOWN	17110	PA
23-22-0126	STANLEY L WILT	R D 2	HALIFAX	17032	PA
23-24-0003	RAYMOND L YOUNGDAHL	R F D 1	BROCKPORT	15823	PA
23-24-0005	G C GROTZINGER	POSLY ROAD	ST MARYS	15857	PA
23-25-0153	ROBERT DORCHESTER	R D 1	ALBION	16401	PA
23-25-0209	JAMES HAMMOND	R D 1	CORRY	16407	PA
23-25-0507	CALVIN H HENRY	R D 2	WATTSBURG	16442	PA
23-25-0548	DOUG GIBBONS	R D 3	NORTH EAST	16428	PA
23-25-0563	JAMES E SHERMAN	R D 2	ALBION	16401	PA
23-25-0571	ROLAND GATES	R D 3	CORRY	16407	PA
23-25-0580	PAUL L OSBORN	R D 4 ZWILLING RD	ERIE	16509	PA
23-25-0581	CURTIS HAVEN FARMS	R D 3	UNION CITY	16438	PA
23-25-0589	JAMES H GLOVER	R D 1	WATERFORD	16441	PA
23-25-0596	JOE & CLARA RISJAN	R D 1	WATERFORD	16441	PA
23-26-0024	SHAFFER FARMS	1610 RIDGE BLVD	CONNELLSVILLE	15425	PA
23-26-0028	JACKSON BROS	R D 1	NEW SALEM	15468	PA
23-26-0040	PAUL BURD & SONS	R D 2 BOX 211	UNIONTOWN	15401	PA
23-26-0051	LAWRENCE LEONARD		OHIOPYLE	15470	PA
23-26-0068	J D MILLER	R D 1	ACME	15610	PA
23-26-0071	HERRING FARMS	R D 1 BOX 52A	FARMINGTON	15437	PA
23-26-7029	RODNEY SMITH	R D 3 BOX 372	BELLE VERNON	15417	PA
23-28-0003	NORMAN SOLLENBERGER	R D 1	FAYETTEVILLE	17222	PA
23-28-0008	GERALD E MUMMERT	R D 5	CHAMBERSBURG	17201	PA
23-28-0012	SOLLENBERGER & MCCOY	R D 8	CHAMBERSBURG	17201	PA
23-28-0021	T K NITTERHOUSE	R D 6	CHAMBERSBURG	17201	PA
23-28-0028	STONERS HIJOS HILL	R D 2	MERCERSBURG	17236	PA
23-28-0029	M H BALONER	R D 1	ST THOMAS	17252	PA
23-28-0030	J ROBERT MEYERS	BOX 63	ST THOMAS	17252	PA
23-28-0041	HARRY D HOFFMAN &SON	R D 2	GREENCASTLE	17225	PA
23-28-0043	PAUL D ECKSTINE	R D 2	MERCERSBURG	17236	PA
23-28-0046	OAKLEIGH FARM	R D 2 BOX 196 B	MERCERSBURG	17236	PA
23-28-0048	D ELMER HAWBAKER	LINDEN AV	MERCERSBURG	17236	PA
23-28-0054	CLYDE W & PAUL GSELL	R D 5	CHAMBERSBURG	17201	PA
23-28-0062	ELDAD KEENER	R D 1	MERCERSBURG	17236	PA
23-28-0067	NORMAN R BRICKER	R D 3	CHAMBERSBURG	17201	PA
23-28-0069	ROY K LEHMAN & SON	R D 3	SHIPPENSBURG	17257	PA
23-28-0080	ALFRED B BURKHOLDER	R D 1	FAYETTEVILLE	17222	PA

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	ADDRESS OF OWNER: STREET OR ROUTE	TOWN	ZIP-CODE	STATE
23-28-0084	GAYMERE FARMS	ROUTE 2	WAYNESBORO	17268	PA
23-28-0086	ROBERT MELLOTT	R D 2	MERCERSBURG	17236	PA
23-28-0102	HAROLD L WENGER	R D 3	SHIPPENSBURG	17257	PA
23-28-0107	WAYNE MARTIN	R D 4	SHIPPENSBURG	17257	PA
23-28-0114	S MINOR ROBINSON		FT LOUDON	17224	PA
23-28-0115	KENNETH MELLOTT	R D 2	MERCERSBURG	17236	PA
23-28-0117	CARL E PUGH	R D 8	CHAMBERSBURG	17201	PA
23-28-0118	FRED M GARBER	R D 5	CHAMBERSBURG	17201	PA
23-28-0146	MARLIN L FREY	R D 2	CHAMBERSBURG	17201	PA
23-28-0157	NATHAN LEHMAN	R D 3	CHAMBERSBURG	17201	PA
23-28-0163	HAROLD F CRIDER	R D 5	CHAMBERSBURG	17201	PA
23-28-0164	MARSHALL WITTER	R D 1	MERCERSBURG	17236	PA
23-28-0172	HERBERT M DICE	R D 4	CHAMBERSBURG	17201	PA
23-28-0186	GLENN K MUMMERT	R D 1	CHAMBERSBURG	17201	PA
23-28-0193	JACK K BECK & SON	ROUTE 2	MERCERSBURG	17236	PA
23-28-0202	H LESTER OYLER EST	R D 1 BOX 234	CHAMBERSBURG	17201	PA
23-28-0204	J CHALMERS YOUNG JR	R D 2	GREENCASTLE	17225	PA
23-28-0206	D B WILHIDE & SONS	R D 1	WAYNESBORO	17268	PA
23-28-0211	AIR HILL FARMS	R D 2	CHAMBERSBURG	17201	PA
23-28-0229	MARLIN G BRICKER	R R 8	CHAMBERSBURG	17201	PA
23-28-0282	J ELDON CRIDER	R D 5	CHAMBERSBURG	17201	PA
23-28-0289	MERLE D WOODRING	R D 3	CHAMBERSBURG	17201	PA
23-28-0296	JAMES C WITTER	STAR ROUTE 1	SHIPPENSBURG	17257	PA
23-28-0304	GEORGE SKELLY	R D 5	CHAMBERSBURG	17201	PA
23-28-0316	HALL & LOVE	STAR ROUTE 1	SHIPPENSBURG	17257	PA
23-28-0317	JAYE F KNEPPER	R R 1	CHAMBERSBURG	17201	PA
23-28-0321	ADIN L FREY	R D 8	CHAMBERSBURG	17201	PA
23-28-0328	MYR-LEA FARMS	R D 1	GREENCASTLE	17225	PA
23-28-0330	RAY V HOLLENSHEAD	R D 1	MERCERSBURG	17236	PA
23-28-0332	FLORENCE B LYON	CITZ BANK 10-12WM	WAYNESBORO	17268	PA
23-28-0338	HOWARD J MELLOTT	R D 2	MERCERSBURG	17236	PA
23-28-0342	CLARENCE ADAMS & SON		WILLOW HILL	17271	PA
23-28-0344	BURK LEA FARMS	R D 1	CHAMBERSBURG	17201	PA
23-28-0348	I CHESTER HORST	R D 3	GREENCASTLE	17225	PA
23-28-0354	ROY KENDIG	R D 1	ORRSTOWN	17244	PA
23-28-0359	RICHARD G EBY	R D 2	GREENCASTLE	17225	PA
23-28-0365	LESTER D FORTNA	R D 3	CHAMBERSBURG	17201	PA
23-28-0371	OMAR R MARTIN	R D 1	CHAMBERSBURG	17201	PA
23-28-0391	J ARNOLD CAMPBELL	R D 1	WAYNESBORO	17268	PA
23-28-6008	H C GABLER	MONTGOMERY AVE	CHAMBERSBURG	17201	PA
23-29-0002	CHARLES PALMER		WARFORDSBURG	17267	PA
23-29-0006	C KENNETH GORDON		MC CONNELLSBURG	17233	PA
23-29-0022	ROY HOLLENSHEAD		HARRISONVILLE	17228	PA
23-29-0076	MICHAEL & DON BARD	BARDONA FARM	NEEDMORE	17238	PA
23-31-0009	GILLBROOK FARMS NO 1		WARRIORS MARK	16877	PA
23-31-0015	GLENN E HOUCK		SPRUCE CREEK	16683	PA
23-31-0023	DALAND FARMS	R D 2	HUNTINGDON	16652	PA
23-31-0024	RAYMOND TUSSEY	R D 2	HUNTINGDON	16652	PA
23-31-0031	GEORAN FARMS	% G R BRUMBAUGH	JAMES CREEK	16657	PA
23-31-0113	BERNARD S MC MATH	R D	SHADE GAP	17255	PA
23-31-0126	J FREDERICK KYPER	R D 2	HUNTINGDON	16652	PA
23-31-0134	JOHN A FOSTER	R D 1	PETERSBURG	16669	PA
23-31-0161	HAWN BROTHERS	R D	PETERSBURG	16669	PA
23-31-0167	DURBIN FARMS	R D 4	TYRONE	16686	PA
23-31-0174	LAKEVUE FARM	R D 2	HUNTINGDON	16652	PA
23-31-0175	GEARY E SHADE	R D	ALEXANDRIA	16611	PA
23-31-0176	MAX ISENBERG	R D	PETERSBURG	16669	PA
23-31-0182	ROBERT ARMOUR	R D 1	MOUNT UNION	17066	PA
23-31-0194	WILLARD J YODER	R D 2	HUNTINGDON	16652	PA
23-31-0213	FRED L FOUSE	R D	AITCH	16610	PA
23-31-0215	JAMES S GROVE	R D	PETERSBURG	16669	PA
23-31-0216	EVERGREEN FARM NO 3	C/O WAYNE HARPSTER	SPRUCE CREEK	16683	PA
23-31-0224	WILLIAM H HICKS &SON	R D 4 BOX 262	TYRONE	16686	PA
23-31-0237	GLENN E PEACHY	R D	PETERSBURG	16669	PA
23-31-0242	ERIC G MYERS	BOX 112	WARRIORS MARK	16877	PA
23-32-0001	WALLACE POLLOCK	R 2	MARION CENTER	15759	PA
23-32-0003	WAYNE BRAUGHLER	R D 2	MARION CENTER	15759	PA
23-32-0006	CLYDE HOUCK	R 1	CLYMER	15728	PA
23-32-0012	TORRANCE STATE HOSP		TORRANCE	15779	PA
23-32-0015	DR F G EDWARDS	R 1	INDIANA	15701	PA
23-32-0023	JOHN M MC MILLEN	R 2	MARION CENTER	15759	PA
23-32-0037	HAROLD MARSHALL	R D 1	SMICKSBURG	16256	PA
23-32-0053	R B NICHOL	R D 2	MARION CENTER	15759	PA
23-32-0054	EUGENE THOMPSON		MARION CENTER	15759	PA
23-32-0058	JERRY NESBIT		MARCHAND	15758	PA
23-32-0101	J B & R J DILTS	R D 2	MARION CENTER	15759	PA
23-32-0120	DONALD E SIMPSON	R D 1	INDIANA	15701	PA
23-32-0131	J S CORNELL & SON	R D 1	BLAIRSVILLE	15717	PA
23-32-0134	ELMO M TRAVIS & SONS	R D 1	SMICKSBURG	16256	PA
23-33-0018	CORBINVIEW FARMS	R D 2	REYNOLDSVILLE	15851	PA
23-33-0019	M CLAIR REITZ & SON	R D 2	MAYPORT	16240	PA
23-33-0029	MOWREYS SPRUCELAWN	R D 1 BOX 139	REYNOLDSVILLE	15851	PA
23-33-0074	IVAN & LEE HIMES	R D 3	BROOKVILLE	15825	PA
23-33-0082	RALPH R YOUNG JR	R D 4 BOX 98N	PUNXSUTANEY	15767	PA
23-33-0083	SANDY FARMS	R D 2	MAYPORT	16240	PA

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	. . . . A D D R E S S O F O W N E R . . . . STREET OR ROUTE	TOWN	ZIP-CODE	STATE
23-33-0103	PAUL H HAUGH & SONS	P O BOX 339	BROOKVILLE	15825	PA
23-34-0005	CLARENCE SMITH		MC ALISTERVILLE	17049	PA
23-34-0016	JAMES H SPEER SR	DAVID SPEER	BLAIRS MILLS	17213	PA
23-34-0018	RAYMOND NOSS & SONS	R D 1	PORT ROYAL	17082	PA
23-34-0019	CARL E CAMPBELL	R D 1	PORT ROYAL	17082	PA
23-34-0023	RICHARD B CRAWFORD	R D 1	PORT ROYAL	17082	PA
23-34-0026	CARL MC CLURE	R D 2	PORT ROYAL	17082	PA
23-34-0042	GEORGE LOVE & SON	R D # 1	EAST WATERFORD	17021	PA
23-34-0054	DONALD ADAMS	R D 2	PORT ROYAL	17082	PA
23-34-0060	WENDELL W SHELLEY	R D 2	MIFFLINTOWN	17059	PA
23-34-0062	JACOB K ZOOK	R D 1	PORT ROYAL	17082	PA
23-34-0063	RAYMOND E KAUFFMAN	STAR ROUTE	MIFFLINTOWN	17059	PA
23-34-0073	EDMUND K BOOK	R D 1	PORT ROYAL	17082	PA
23-34-0075	RICHARD PEACHEY	STAR ROUTE	MIFFLIN	17058	PA
23-34-0078	ROBERT SIEBER	R D 1	THOMPSONTOWN	17094	PA
23-34-0079	JAMES C GRAHAM	R D 1	PORT ROYAL	17082	PA
23-34-0081	MERVIN R ZENDT	R D 2	MIFFLINTOWN	17059	PA
23-34-0085	HOWARD WILLOW	R D 2	MILLERSTOWN	17062	PA
23-34-0088	WILBUR HARSHBARGER	R D 1	MIFFLINTOWN	17059	PA
23-34-0089	MARVIN L PEOPLES	R D 2	MC ALISTERVILLE	17049	PA
23-34-0093	ELMER A NOSS	R D 1	HONEY GROVE	17035	PA
23-34-0094	FREEBURN LOVE	NORMAN LOVE R D 1	EAST WATERFORD	17021	PA
23-34-0098	GLEN B SIMONTON	R D 1	PORT ROYAL	17082	PA
23-34-0099	KENNETH S DOMBACH	R D 1 BOX 73	MIFFLINTOWN	17059	PA
23-34-0102	RAYMOND&GLADYS LONG	R D 1	PORT ROYAL	17082	PA
23-34-0104	MARK L ZOOK	STAR ROUTE	MIFFLIN	17058	PA
23-34-0105	CHET L ADAMS	R D 2	MIFFLINTOWN	17059	PA
23-34-0115	DONALD G DIANE APPLE	STAR ROUTE	RICHFIELD	17086	PA
23-34-7325	HAROLD B SHEARER	R D 1	EAST WATERFORD	17021	PA
23-35-0001	CARROLL DECKER	R D 2	FACTORYVILLE	18419	PA
23-35-0015	ROSIAK DAIRY	R D 1	NICHOLSON	18446	PA
23-35-0022	H L & L H JOHNSON	R D 1	JERMYN	18433	PA
23-35-0023	ROBERT NAYLOR	R D 2	FACTORYVILLE	18419	PA
23-35-0028	CRAWFORD SACHSE	R D 2	MOSCOW	18444	PA
23-35-0035	FLOYD ALT	STAR ROUTE	MOSCOW	18444	PA
23-35-0055	H S CORSELIUS SONS	R F D 3	CLARKS SUMMIT	18411	PA
23-35-0060	CHAS&LES LANDSIEDEL	R D 2	DALTON	18414	PA
23-35-0080	ANDREW & GEO YEDINAK	R D 2	MOSCOW	18444	PA
23-35-0082	GEO & PAUL SHEYPUK	R D 1 BOX 161	JERMYN	18433	PA
23-35-0096	ROBERT&ELWOOD WHITE	R D 1 BOX 217	JERMYN	18433	PA
23-35-0097	PAUL DARLING	R D 1	NICHOLSON	18446	PA
23-35-0099	MONTDALE DAIRY	R D 1	OLYPHANT	18447	PA
23-35-0106	LOREN MILLER	R D 3	CLARKS SUMMIT	18411	PA
23-35-0107	JOSEPH KAZMIERSKI	R D 1	OLYPHANT	18447	PA
23-35-0117	DAVID SHOOK	R D 3	CLARKS SUMMIT	18411	PA
23-35-0119	WM BELACK & SONS	R D 2	FACTORYVILLE	18419	PA
23-36-0001	JOHN R SAUDER	R D 1	REINHOLDS	17569	PA
23-36-0004	JAMES HACKMAN	R D 1	EPHRATA	17522	PA
23-36-0006	SUNNY CRAFT FARM	R D I	EPHRATA	17522	PA
23-36-0010	EZRA M MARTIN	R D 1	EPHRATA	17522	PA
23-36-0014	HENRY & PAUL MARTIN	R D 1	EPHRATA	17522	PA
23-36-0018	JAMES MARTIN	R D 1	STEVENS	17578	PA
23-36-0023	WILMER G KRAYBILL	R D 2	ELVERSON 2	19520	PA
23-36-0025	JOHN C METZLER	R F D 1	CHRISTIANA	17509	PA
23-36-0031	PARKE H RANCK	R F D 1	RONKS	17572	PA
23-36-0032	RICHARD H HESS	R D 1	STRASBURG	17579	PA
23-36-0035	ALBERT H MELLINGER	R F D 1	STRASBURG	17579	PA
23-36-0043	JAMES E WEICKSEL	R D 1	CHRISTIANA	17509	PA
23-36-0046	JAY C GARBER	R 6	LANCASTER	17603	PA
23-36-0052	JACOB R HOUSER JR		LAMPETER	17537	PA
23-36-0053	LANC MENNONITE HOSP	%AARON B SHIRK R D	LEBANON	17042	PA
23-36-0057	ROY H & RUTH H BOOK	R D 1	RONKS	17572	PA
23-36-0058	ROBERT L WEAVER	R D 1	STRASBURG	17579	PA
23-36-0059	J WADE GROFF	644 BEAVER VALY PI	LANCASTER	17602	PA
23-36-0061	J EBY HERSHEY	R D 1	GORDONVILLE	17529	PA
23-36-0062	MELVIN R STOLTZFUS	R D 1	RONKS	17572	PA
23-36-0065	RED ROSE RES CENTER	226 PITNEY ROAD	LANCASTER	17601	PA
23-36-0067	JOHN E KREIDER	523 WILLOW ROAD	LANCASTER	17601	PA
23-36-0079	DONALD S EBY	R F D 1	GORDONVILLE	17529	PA
23-36-0080	G M WEAVER	R D 1 BOX 248	NEW HOLLAND	17557	PA
23-36-0090	MILTON M BRUBAKER	660 BRUNERVILLE RD	LITITZ	17543	PA
23-36-0106	CHARLES TINDALL	R D 1	PEACH BOTTOM	17563	PA
23-36-0107	CEDAR FRINGED FARM	R D 1	PEACH BOTTOM	17563	PA
23-36-0110	HARRY G KREIDER	R D 1	QUARRYVILLE	17566	PA
23-36-0113	ROBERT W ULRICH &SON	R D 1	QUARRYVILLE	17566	PA
23-36-0114	P ROBERT WENGER	R D 1	QUARRYVILLE	17566	PA
23-36-0115	JAMES G KREIDER	R D 1	QUARRYVILLE	17566	PA
23-36-0128	HARRY S AUNGST	R F D 1	MARIETTA	17547	PA
23-36-0129	HIRAM S AUNGST	R F D 1	ELIZABETHTOWN	17022	PA
23-36-0139	ERNEST J SAUDER	R F D 1	LANCASTER	17601	PA
23-36-0145	HENRY E KETTERING	R D 3	LITITZ	17543	PA
23-36-0173	ARTHUR L BRENEMAN	R D 1	WILLOW STREET	17584	PA
23-36-0174	R F & L A WITMER	R F D 1	WILLOW STREET	17584	PA
23-36-0175	WARREN B GRIFFITH	BOX 63	NEW PROVIDENCE	17560	PA
23-36-0176	CLARENCE H HARNISH	2105 PEQUEA LANE	LANCASTER	17602	PA

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	ADDRESS OF OWNER: STREET OR ROUTE	TOWN	ZIP-CODE	STATE
23-36-0177	ELVIN HESS JR	R F D 1	STRASBURG	17579	PA
23-36-0181	JOHN H THOMAS JR	R F D 1	MILLERSVILLE	17551	PA
23-36-0187	NELSON H HERSHEY	R D 2	COLUMBIA	17512	PA
23-36-0211	IVAN S STOLTZFUS	R D 1	HONEY BROOK	19344	PA
23-36-0227	STEPHEN S STOLTZFUS	R 1	GAP	17527	PA
23-36-0234	CALVIN D BEILER	R D 1	PARADISE	17562	PA
23-36-0236	MELVIN L BEILER	R D 1	GORDONVILLE	17529	PA
23-36-0244	RICHARD P MAULE	R F D 2	QUARRYVILLE	17566	PA
23-36-0250	ELLIS O KREIDER	R D 2	QUARRYVILLE	17566	PA
23-36-0259	ROBERT&RICHRD LANDIS	2306 HORSESHOE ROA	LANCASTER	17601	PA
23-36-0265	MELVIN M GROFF	R D 6	LANCASTER	17603	PA
23-36-0289	ELAM W MULL	R D 1	QUARRYVILLE	17566	PA
23-36-0308	AMOS M STOLTZFUS	R D 2	ELVERSON	19520	PA
23-36-0310	AARON B WEAVER	R D 1	NARVON	17555	PA
23-36-0318	DALE E HIESTAND	R D 1	BAINBRIDGE	17502	PA
23-36-0325	J C POWNALL EST	R D 2	QUARRYVILLE	17566	PA
23-36-0326	EDWIN J LANDIS	1406 LAMPETER RD	LANCASTER	17602	PA
23-36-0327	JOHN & ELAM RUTT	R D 1	EPHRATA	17522	PA
23-36-0331	JOHN H HERSHEY	R D 2	LITITZ	17543	PA
23-36-0332	DANIEL L MARTIN	R 1	MANHEIM	17545	PA
23-36-0333	ROY C NEFF	R F D 1	PARADISE	17562	PA
23-36-0346	JAY E LANDIS	ROUTE 6	LANCASTER	17603	PA
23-36-0347	ALBERT E FRY	ROUTE 2	MANHEIM	17545	PA
23-36-0353	IVAN ZIMMERMAN	R D 1	EAST EARL	17519	PA
23-36-0378	GALEN W CROUSE	R D 1	STEVENS	17578	PA
23-36-0386	J FLOYD KREIDER	R F D 2	MT JOY	17552	PA
23-36-0388	WILBUR N ERB	R D 1	MT JOY	17552	PA
23-36-0408	JOHN M HARNISH	1036 BEAVER VALLEY	LANCASTER	17602	PA
23-36-0411	H RICHARD HERSHEY	304 NEWPORT ROAD	LITITZ	17543	PA
23-36-0417	CURTIS E AKERS	R D 1	QUARRYVILLE	17566	PA
23-36-0418	WALNUT RUN FARM	R D 2 BOX 73	LITITZ	17543	PA
23-36-0421	N GERHART & L W NOLT	R D 2	MT JOY	17552	PA
23-36-0424	ARTHUR D WENGER	R D 2	MANHEIM	17545	PA
23-36-0425	JESSE G BALMER	R D 4	LITITZ	17543	PA
23-36-0427	HERB & RHELDA ROYER	2025 OREGON PIKE	LANCASTER	17601	PA
23-36-0428	EDWIN K WISE	R D 1	EPHRATA	17522	PA
23-36-0436	SAM & ALLEN KREIDER	R F D 1	QUARRYVILLE	17566	PA
23-36-0443	LLOYD WOLF	R D 2	QUARRYVILLE	17566	PA
23-36-0448	EARL L HERSHEY	R D 2	QUARRYVILLE	17566	PA
23-36-0454	BURTON Y STAMAN	P O B X 63	COLUMBIA	17512	PA
23-36-0458	CLYDE M BUCHEN	ROUTE 3 BOX 47	MANHEIM	17545	PA
23-36-0463	KREISLE & LEHMAN	R D 3	QUARRYVILLE	17566	PA
23-36-0469	JONAS S NOLT	R D 2	PEACH BOTTOM	17563	PA
23-36-0471	MERVIN M WEAVER	R D 2	NEW HOLLAND	17557	PA
23-36-0474	JOHN OMAR STOLTZFUS	R D 2 BOX 177	HONEY BROOK	19344	PA
23-36-0476	EDGEFIELD FARMS	R D 2 BOX 207	QUARRYVILLE	17566	PA
23-36-0478	J MOWERY FREY JR	401 BEAVER VALLEY	LANCASTER	17602	PA
23-36-0495	ELMER H WEBER	R D 1	PEACH BOTTOM	17563	PA
23-36-0497	PAUL B ZIMMERMAN	R D 1	EPHRATA	17522	PA
23-36-0519	CARL L MARTIN	R D 1	EPHRATA	17522	PA
23-36-0524	ROMELLA FARMS	R D 1	STRASBURG	17579	PA
23-36-0531	SAMUEL M AUGSBURGER	R D 1	NEW HOLLAND	17557	PA
23-36-0536	CLYDE W MARTIN	R D 1	EAST EARL	17519	PA
23-36-0546	ISAAC K EBY	R D 1	EPHRATA	17522	PA
23-36-0550	MARK P STOLTZFUS	2453 CREEK HILL RD	LANCASTER	17601	PA
23-36-0560	ALLAN R SHOEMAKER	R D 1	KIRKWOOD	17536	PA
23-36-0566	EARL E MARTIN	R D 1	EPHRATA	17522	PA
23-36-0570	MELVIN H RANCK	R D 2	HOLTWOOD	17532	PA
23-36-0579	CLAIR M HERSHEY	R D 1	NOTTINGHAM	19362	PA
23-36-0585	JONATHAN B LANTZ	R D 1 BOX 214	GORDONVILLE	17529	PA
23-36-0594	HAROLD & ANNA ENGEL	R D 1	ATGLEN	19310	PA
23-36-0599	ROBERT F&JOAN B BOOK	11 SOUTH HERSHEY A	LEOLA	17540	PA
23-36-0603	FURRY H FREY	1343 GYPSY HILL RD	LANCASTER	17602	PA
23-36-0604	HARRY ZIMMERMAN JR	R D 1	EAST EARL	17519	PA
23-36-0605	MASONIC HOMES FARMS	DAIRY DEPARTMENT	ELIZABETHTOWN	17022	PA
23-36-0607	J WILMER CONRAD	R D 2	WILLOW STREET	17584	PA
23-36-0609	NATHAN G STOLTZFUS	R D 2	ELVERSON	19520	PA
23-36-0612	SAMUEL M MARTIN JR	R D 1	GAP	17527	PA
23-36-0614	WILLIAM J AARON	R D 1	QUARRYVILLE	17566	PA
23-36-0619	C NEVIN HERSHEY	R D 1	RONKS	17572	PA
23-36-0622	LEROY S SMUCKER	R F D 1	NEW HOLLAND	17557	PA
23-36-0625	MARTIN H GOOD	R D 1	EAST EARL	17519	PA
23-36-0627	AMOS B LAPP	R F D 1	GORDONVILLE	17529	PA
23-36-0629	KENNETH B GARBER	R D 2	WILLOW STREET	17584	PA
23-36-0644	C ROBERT GREIDER	R D 2	COLUMBIA	17512	PA
23-36-0646	K D & ELSE LINDE	R D 1	OXFORD	19363	PA
23-36-0649	JOHN U LAPP	R D 1 BOX 147	GORDONVILLE	17529	PA
23-36-0652	WILLIS S NOLT	R F D 1	PEACH BOTTOM	17563	PA
23-36-0653	LESTER M WEAVER	R D 1	QUARRYVILLE	17566	PA
23-36-0666	J Z NOLT	R D 1	LEOLA	17540	PA
23-36-0670	JOHN J LANDIS	2648 CREEK HILL RD	LANCASTER	17601	PA
23-36-0672	HARVEY W STOLTZFUS	BOX 34	MORGANTOWN	19543	PA
23-36-0673	IVAN Z MARTIN	R D 4	LITITZ	17543	PA
23-36-0675	ROBERT M MYLIN	R D 2	WILLOW STREET	17584	PA
23-36-0679	NATHAN E STOLTZFUS	R D 2 BOX 364	GAP	17527	PA

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	........ADDRESS OF OWNER........ STREET OR ROUTE	TOWN	ZIP-CODE	STATE
23-36-0684	LESTER M HAWTHORNE	R D 1	ELIZABETHTOWN	17022	PA
23-36-0685	ARTHUR P SWEIGART	R F D 1	MT JOY	17552	PA
23-36-0688	HARRY L TROOP	R D 1	COCHRANVILLE	19330	PA
23-36-0693	J CLAYTON CHARLES	R D 2	LANCASTER	17603	PA
23-36-0706	JA JEAN DAIRY FARM	ROUTE 1	MANHEIM	17545	PA
23-36-0707	JOSEPH ESHLEMAN	R D 2	HOLTWOOD	17532	PA
23-36-0709	KREIDER & SPAYD	% HARRY W SPAYD JR	QUARRYVILLE	17566	PA
23-36-0712	SAMUEL S STOLTZFUS	R D 1 BOX 2DA	RONKS	17572	PA
23-36-0719	ROBERT T BOWMAN	2496 NEW HOLLAND P	LANCASTER	17601	PA
23-36-0721	JOHN K STOLTZFUS	R D 1	PARADISE	17562	PA
23-36-0726	CHRISTIAN ZOOK	R D 2	GAP	17527	PA
23-36-0728	IVAN M HURSH	R D 1	EPHRATA	17522	PA
23-36-0732	KENNETH E ZURIN	R D 2	MT JOY	17552	PA
23-36-0733	MARVIN S NOLT	R D 2	PEACH BOTTOM	17563	PA
23-36-0741	JOHN S YOST	R D 1	KINZER	17535	PA
23-36-0742	KENNETH L BIELER	R D 1	PARADISE	17562	PA
23-36-0744	MOSES N GOOD	R D 1	MOUNT JOY	17552	PA
23-36-0751	ELI W BRENEMAN	R D 4	MANHEIM	17545	PA
23-36-0753	JOSEPH DELONG	R D 2	QUARRYVILLE	17566	PA
23-36-0754	WILLIS M MARTIN	R D 2	NOTTINGHAM	19362	PA
23-36-0759	M IRVIN EBERLY	R D 1	GAP	17527	PA
23-36-0764	TITUS B STONER	3207 BOWMAN RD	LANDISVILLE	17538	PA
23-36-0766	JOHN J LAPP	R D 1	NEW HOLLAND	17557	PA
23-36-0768	SAMUEL F SAUDER	R D 1	NARVON	17555	PA
23-36-0770	IVAN BOWMAN JR	R D 1	RONKS	17572	PA
23-36-0771	SAMUEL F LONG	R D 1	CHRISTIANA	17509	PA
23-36-0775	V FERRY ROHRER	R D 2	COLUMBIA	17512	PA
23-36-0778	MELVIN L SHERTZER	R D 1 BOX 113	MILLERSVILLE	17551	PA
23-36-0780	THOMAS C LAPP	R D 2 BOX 398	GAP	17527	PA
23-36-0782	AMOS&ELEANOR HERSHEY	R D 1	KINZERS	17535	PA
23-36-0788	J WILMER EBY	R D 1	WASHINGTON BORO	17582	PA
23-36-0794	S R SHELLENBERGER	R D 1 BOX 318	MOUNT JOY	17552	PA
23-36-0796	QUEAMEADE FARMS	R D 2	NEW HOLLAND	17557	PA
23-36-0799	B F & MARY ESHELMAN	R D 1 BOX 841D	MANHEIM	17545	PA
23-36-0802	J MOWERY FREY	1831 HANS HERR DRI	LANCASTER	17602	PA
23-36-0809	J ARTHUR ROHRER&SONS	R D 1	PARADISE	17562	PA
23-36-0810	IVAN L STOLTZFUS	BOX 34A R D 2	NEW HOLLAND	17557	PA
23-36-0811	HENRY B LEAMAN	1891 WINDY HILL RD	LANCASTER	17602	PA
23-36-0812	DAVID L LANDIS	1896 COLEBROOK ROA	LANCASTER	17601	PA
23-36-0813	JOHN M SMUCKER	R D 1 BOX 282	GAP	17527	PA
23-36-0814	JAMES A HESS	R D 2	QUARRYVILLE	17566	PA
23-36-0816	PAUL V NISSLEY	R D 2	HOLTWOOD	17532	PA
23-36-0817	DAVID B KING	1927 HORSESHOE RD	LANCASTER	17601	PA
23-36-0818	AMOS E KING JR	ROUTE 1 BOX 57	RONKS	17572	PA
23-36-0819	JAMES A NEWCOMER	R D 1 BOX 118	MT JOY	17552	PA
23-36-0824	ROY B STONER	R D 2	LITITZ	17543	PA
23-36-0825	JAY R FOREMAN	R D 1	LITITZ	17543	PA
23-36-0828	JONAS E ZOOK	R D 3	QUARRYVILLE	17566	PA
23-36-0829	ALBERT BRENEMAN	R D 2 BOX 376	MANHEIM	17545	PA
23-36-0831	JAMES D SHERTZER	1518 MILLPORT ROAD	LANCASTER	17602	PA
23-36-0832	FRED CRIDER	R D 2	NOTTINGHAM	19362	PA
23-36-0833	HAROLD G SHELLY	R D 2 BOX 159	MANHEIM	17545	PA
23-36-0839	LLOYD E MILLER	R D 3	ELIZABETHTOWN	17022	PA
23-36-0840	AARON S GLICK & SONS	R D 2	QUARRYVILLE	17566	PA
23-36-0841	J ROHRER WITMER	R D 2	WILLOW STREET	17584	PA
23-36-0842	J ROBERT HESS	R D 1	STRASBURG	17579	PA
23-36-0843	EDWARD S GLICK	R D 1 BOX 198	GAP	17527	PA
23-36-0844	MAURICE F WELK	R D 2	QUARRYVILLE	17566	PA
23-36-0847	ROGER D SHAUB	115 2ND STREET	QUARRYVILLE	17566	PA
23-36-0850	ALLEN LEE STOLTZFUS	R D 1	HONEYBROOK	19344	PA
23-36-0852	JOHN & H FARRINGTON	R D 2	LITITZ	17543	PA
23-36-0881	CARL G TROOP	R D 3	QUARRYVILLE	19366	PA
23-36-0882	KREIDER & TRIMBLE	R D 2	PEACH BOTTOM	17563	PA
23-36-0886	J ROBERT KINDIG	R D 1	CONESTOGA	17516	PA
23-36-0887	H LANDIS WEAVER	R D 2	QUARRYVILLE	17566	PA
23-36-0901	EMANUEL S SMUCKER	R D 1 BOX 307	GAP	17527	PA
23-36-0908	ARLENE S LONGENECKER	R D 1	OXFORD	19363	PA
23-36-0909	J DOUGLAS MARTIN	R D 6	LANCASTER	17603	PA
23-36-0930	ROBERT KAUFFMAN JR	RD 2	PEACH BOTTOM	17563	PA
23-36-0957	AARON LAPP JR	R D 1	KINZERS	17535	PA
23-36-0961	JONAS B LANTZ	R D 1	LEOLA	17540	PA
23-36-0971	HARRY S MUMMA	R D 1	MANHEIM	17545	PA
23-36-0998	AMOS F MILLER	R D 2	PEACH BOTTOM	17563	PA
23-36-1000	ANDREWS & BARTSCH	419 PENN GRANT ROA	LANCASTER	17602	PA
23-36-1006	GLENN F BURKHOLDER	R D 1	WASHINGTON BORO	17582	PA
23-36-1029	GEORGE & DORIS HOUGH	R D 2	PEACH BOTTOM	17563	PA
23-36-1039	ISAAC S BEILER	R D 1 BOX 63	GAP	17527	PA
23-36-1065	HENRY S DE LONG	R D 2	PEACH BOTTOM	17563	PA
23-36-6403	SHOEMAKER BROS FM 1	R D 1	KIRKWOOD	17536	PA
23-36-7098	MARVIN R SAUDER	R D 2	EPHRATA	17522	PA
23-36-7188	HAROLD L &DON RISSER	R D 1	BAINBRIDGE	17502	PA
23-36-7344	ELMER E KAUFFMAN	R D 1 BOX 7	CHRISTIANA	17509	PA
23-36-7401	MELVIN A HERSHEY	R D 2	WILLOW STREET	17584	PA
23-36-7426	JOHN P LAPP	R D 1 S GROFFDALE	LEOLA	17540	PA
23-37-0010	JOHN R CLARK	R D 7 BOX 37	NEW CASTLE	16102	PA

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	........ADDRESS OF OWNER........ STREET OR ROUTE	TOWN	ZIP-CODE	STATE
23-37-0012	DALE E CURRIE	R D 6 BOX 338	NEW CASTLE	16101	PA
23-37-0019	JOHN C HOYE	R D 2	VOLANT	16156	PA
23-37-0064	M & HAROLD WILSON	R D 2	PORTERSVILLE	16051	PA
23-37-0066	ROBT E ARMSTRONG III	SUMMERFIELD DAIRIE	NEW CASTLE R D 2	16101	PA
23-37-0072	CLARKS DAIRY FARM	R D 1	ENON VALLEY	16120	PA
23-37-0074	WENDELL DEAN	R D 6 BOX 45	NEW CASTLE	16101	PA
23-37-0084	J W FERRIS	BOX 140 R D 2	NEW WILMINGTON	16142	PA
23-37-0094	J H KIND & SON	R D 3 BOX 181	SLIPPERY ROCK	16057	PA
23-37-0095	GEO & AUDREY GARDNER	R D 2	VOLANT	16156	PA
23-37-0096	RED SPRINGS FARM	R D3	SLIPPERY ROCK	16057	PA
23-38-0017	HUBERT S MILLER	R D 2	MYERSTOWN	17067	PA
23-38-0030	M H & E E HOUSER	R F D 5	LEBANON	17042	PA
23-38-0039	ALFRED R BRANDT	R F D 2	LEBANON	17042	PA
23-38-0045	MARLIN HITZ	R D 1	ANNVILLE	17003	PA
23-38-0053	HARVEY T BOMGARDNER	R D 1	ANNVILLE	17003	PA
23-38-0111	JOHN R FORTNA	R D 3 BOX 95	LEBANON	17042	PA
23-38-0117	MAURICE M BENNETCH	R D 1	NEWMANSTOWN	17073	PA
23-38-0123	SIMON S GINGRICH	R F D 4	LEBANON	17042	PA
23-38-0126	ERNEST WAGNER	RURAL ROUTE 1	ANNVILLE	17003	PA
23-38-0127	DALE E HOSTETTER	R F D 2 BOX 771	ANNVILLE	17003	PA
23-38-0132	M LUTHER BENNETCH	R F D 1	NEWMANSTOWN	17073	PA
23-38-0139	JOHN H STICK	R D 2	LEBANON	17042	PA
23-38-0141	RALPH D SHIRK & SONS	R D 1	FREDERICKSBERG	17026	PA
23-38-0157	BENNETCH BROS	R D 2	MYERSTOWN	17067	PA
23-38-0161	LUKE I PATCHES	R D 1 BOX 55	LEBANON	17042	PA
23-38-0165	IRVIN H KREIDER	R D 2 BOX 29	PALMYRA	17078	PA
23-38-0166	ROBERT LENTZ	R D 2	LEBANON	17042	PA
23-38-0173	SONNEN ACRES	R D 1	RICHLAND	17087	PA
23-38-0196	ELMER ROHRER	R D 1	LEBANON	17042	PA
23-38-0197	WARREN L LENTZ	R D 1	LEBANON	17042	PA
23-38-0198	WARREN HEFFELFINGER	R D 2	LEBANON	17042	PA
23-38-0201	EDWIN E FUNCK	R D 1	JONESTOWN	17038	PA
23-38-0208	ABRAM T LEFEVER	R D 1	JONESTOWN	17038	PA
23-38-0214	IRVIN HORST	R D 1	NEWMANSTOWN	17073	PA
23-38-0217	MARK H BOMBERGER&SON	R F D 1	LEBANON	17042	PA
23-38-0218	BARE BROS DAIRY	R D 2	LEBANON	17042	PA
23-38-0224	MARK C PATCHES	201 FONDERWHITE RD	LEBANON	17042	PA
23-38-0229	ENOS N LEINBACH	R D 2	MYERSTOWN	17067	PA
23-38-0241	OSCAR VAN LIEU	R D 2	LEBANON	17042	PA
23-38-0247	DANIEL B SHIRK	R D 1	NEWMANSTOWN	17073	PA
23-38-0249	JOHN D BOMGARDNER	BOX 39	ONO	17077	PA
23-38-0250	ISAAC E ZIMMERMAN	R D 3	LEBANON	17042	PA
23-38-0252	NORMAN KLINE	R D 2	MYERSTOWN	17067	PA
23-38-0254	ARNOLD ACRES	R D 2	LEBANON	17042	PA
23-38-0262	LEON HOOVER	R D 1 BOX 32	MYERSTOWN	17067	PA
23-38-0280	WEIDLER BROTHERS	R D 2 BOX 244	PALMYRA	17078	PA
23-38-7046	RAYMOND N GETZ	R D 3	MYERSTOWN	17067	PA
23-39-0015	ALLENTOWN ST HOSP FM	J KILGORE RD3 BOX	NORTHAMPTON	18067	PA
23-39-0019	URMY BROS	R D 1	COOPERSBURG	18036	PA
23-39-0029	HUBERT SELL	R D 1	SCHNECKSVILLE	18078	PA
23-39-0032	WILLARD HAMM	R D 1	NEW TRIPOLI	18066	PA
23-39-0036	LLOYD LICHTENWALNER	R D 1	CENTER VALLEY	18034	PA
23-39-0042	WISSER BROS	ROUTE 2	COOPERSBURG	18036	PA
23-39-0065	PAUL SEMMEL	R D 1	SCHNECKSVILLE	18078	PA
23-39-0105	RUSSELL K DIETRICH	R D 1	NEW TRIPOLI	18066	PA
23-39-0106	RALPH DIETRICH	R D 1	NEW TRIPOLI	18066	PA
23-39-0107	KIDD BROS	R D 1	MACUNGIE	18062	PA
23-39-0113	ROBERT R GEHMAN	R D 2	COOPERSBURG	18036	PA
23-39-0120	EDWARD N WISSER	R D 1	PALM	18070	PA
23-39-0124	JUNGE FARM	R D 1 % RAY MOYER	NEW TRIPOLI	18066	PA
23-40-0022	STERLING FARM		HARVEYS LAKE	18618	PA
23-40-0054	FRED SHULTZ	R D 1	BERWICK	18603	PA
23-40-0113	S C PRICE FARMS INC	R D 1	SUGARLOAF	18249	PA
23-40-0120	A C MACRI JR	R D 1 BOX 670	HUNLOCK CREEK	18621	PA
23-40-0126	STATE CORR INDUSTRES		DALLAS	18612	PA
23-40-0135	R S GREGORY & SONS	R D 2	DALLAS	18612	PA
23-40-0138	WENDELL CONKLIN	R D 2	WAPWALLOPEN	18660	PA
23-40-0142	LAKE LOUISE FARMS	R D 3	DALLAS	18612	PA
23-40-0144	SANDSDALE FARM	R D 3	WYOMING	18644	PA
23-41-0012	LYCOMING CO INST DIS	% RUSSELL BEACH	MONTOURSVILLE RD2	17754	PA
23-41-0021	SAMUEL & LARRY FRY	R D 2	MUNCY	17756	PA
23-41-0044	LUNGER BROTHERS	STAR ROUTE	LAIRDSVILLE	17742	PA
23-41-0046	HARRIS METZGER	R D 2	COGAN STATION	17728	PA
23-41-0050	J NICHOLSON & SONS	R D 2	MUNCY	17756	PA
23-41-0065	RICHARD D SHAFFER	R D 1	JERSEY SHORE	17740	PA
23-41-0070	ROY SCHULTZ	R D 4	MUNCY	17756	PA
23-41-0072	ALBERT SNYDER	R D 4	MUNCY	17756	PA
23-41-0073	DON L SNYDER	LOYALMEADE FARMS I	MONTOURSVILLE	17754	PA
23-41-0074	JESSE SNYDER	R D 2	COGAN STATION	17728	PA
23-41-0095	J DAVID JARRETT	R D 1	LINDEN	17744	PA
23-41-0120	LESTER M POUST	R D 4	MUNCY	17756	PA
23-41-0136	JOHN C BOWER JR	R D 1	MONTGOMERY	17752	PA
23-41-0154	CURT R RAKESTRAW	BOX 22	MONTOURSVILLE	17707	PA
23-41-0178	RICHARD BARTO	R D 1	MONTGOMERY	17752	PA
23-41-0182	STANLEY WARN	R D 4	MUNCY	17756	PA

TABLE 7. LIST OF HERO-OWNERS (CONTINUED).

HERO CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP-CODE	STATE
		. . . . A D D R E S S O F O W N E R			
23-41-0193	HENRY L STEPPE&SONS		NISBET	17759	PA
23-41-0199	JOHN T RITTER	R D 1	MUNCY	17756	PA
23-42-0010	JOE ISADORE		SMETHPORT	16749	PA
23-42-0014	COMES DAIRY		SMETHPORT	16749	PA
23-42-0026	CHARLES IRONS		SMETHPORT	16749	PA
23-42-0042	GUY STRAIT		TURTLE POINT	16750	PA
23-42-0051	DONALD MICHELITSCH	R D	PORT ALLEGANY	16743	PA
23-42-0113	G L CARLSON INC NO 1	R F D 1	TURTLEPOINT	16750	PA
23-42-0116	G L CARLSON INC NO 4	R D 1	TURTLEPOINT	16750	PA
23-42-0119	JOHN H LAPP	R D 2	PORT ALLEGANY	16743	PA
23-42-0122	STRATTON FARMS	R D 2	SMETHPORT	16749	PA
23-43-0008	G RICHARD MOOSE	R F D 2	NEW WILMINGTON	16142	PA
23-43-0011	DAVID J WOODS	R D 1	TRANSFER	16154	PA
23-43-0017	JAMES DIXON	R D 2 2030 WINER R	SHARPSVILLE	16150	PA
23-43-0022	HAROLD CANNON	4816 LAMOR RD	SHARON	16146	PA
23-43-0032	OAKES BROS	R D 2	JACKSON CENTER	16133	PA
23-43-0046	ARTHUR BAXTER	R D 1	STONEBORO	16153	PA
23-43-0159	W F WHITE	R D 1 BOX 135	GROVE CITY	16127	PA
23-43-0172	R WALTER MINOR SONS	R D 1	JACKSON CENTER	16133	PA
23-43-0177	DEWAYNE COULTER	R D 4	GROVE CITY	16127	PA
23-43-0196	WILLIAM CANON	R D 1	FREDONIA	16124	PA
23-43-0201	TONY NICOLETTO	R D 2	GROVE CITY	16127	PA
23-43-0213	MARSHIE CHESS	R D 1	FREDONIA	16124	PA
23-43-0217	LASZLO MOZES	R D 1	GREENVILLE	16125	PA
23-43-0224	HAROLD A EALY	R D 2	SHARPSVILLE	16150	PA
23-43-0230	LOGAN MINNER	R D 2	WEST MIDDLESEX	16159	PA
23-43-0236	CHARLES W SWEITZER	R D 4	GROVE CITY	16127	PA
23-43-0238	HENRY E WILCOX	R D 1	CARLTON	16311	PA
23-44-0003	PEACHEE FARMS	R D 2	BELLEVILLE	17004	PA
23-44-0004	IRVIN H FLEMING	R D	BELLEVILLE	17004	PA
23-44-0014	DAVID R YODER	STAR ROUTE	BELLEVILLE	17004	PA
23-44-0020	MOSES J ZOOK	R D 1	BELLEVILLE	17004	PA
23-44-0025	MARK R YODER	R D	BELLEVILLE	17004	PA
23-44-0026	PERCY S YODER	R D	BELLEVILLE	17004	PA
23-44-0034	JONAS B KAUFFMAN JR	% D SUNDERLAND R O	LEWISTOWN	17044	PA
23-44-0036	FRANK G GLICK	R D 3 BOX 286	LEWISTOWN	17044	PA
23-44-0052	CARL E DONAHEY & SON	R D 2	MC VEYTOWN	17051	PA
23-44-0059	KORE J PEACHEY	R D 1	MILROY	17063	PA
23-44-0061	JAMES H ALLISON	R D	BELLEVILLE	17004	PA
23-44-0064	JOESPH BYLER	R D	BELLEVILLE	17004	PA
23-44-0073	JAMES D REED	R F D 1	REEDSVILLE	17084	PA
23-44-0085	KENNETH J LOHT	R D 2	MC CLURE	17841	PA
23-44-0086	JOHN R RODGERS	R D 1	BELLEVILLE	17004	PA
23-44-0088	JESSE S YODER	R D	BELLEVILLE	17004	PA
23-44-0099	STEPHAN KAUFFMAN SON	R D 1	REEDSVILLE	17084	PA
23-44-0103	BRADSTEAD FARM	R D 1 BOX 224	LEWISTOWN	17044	PA
23-44-0104	JOHN P BRADFORD	R D 1 BOX 205	LEWISTOWN	17044	PA
23-44-0111	DAVID R SPICHER	R D	BELLEVILLE	17004	PA
23-44-0112	MITCHELL BROS	R D 1 BOX 149	LEWISTOWN	17044	PA
23-44-0122	FRED C MYERS	R F D 1	LEWISTOWN	17044	PA
23-44-0132	MAXWELL HOOK	2100 RT 522 NORTH	LEWISTOWN	17044	PA
23-44-0137	ROBERT AMMON	R D 4	LEWISTOWN	17044	PA
23-44-0138	GLEN E KING	R F D 1	BELLEVILLE	17004	PA
23-44-0145	MALTA HOME FARM	BOX 61	GRANVILLE	17029	PA
23-44-0161	JOHN A PEACHEY	STAR ROUTE	MILLCREEK	17060	PA
23-44-0162	JOSHUA D YODER	R D 1 BOX 396	BELLEVILLE	17004	PA
23-44-0165	L J DUNMIRE SONS		MC VEYTOWN	17051	PA
23-44-0168	MIFFLIN COUNTY HOME	399 GREEN AVENUE	LEWISTOWN	17044	PA
23-44-0174	DONALD A FRENCH	R D 1	MC VEYTOWN	17051	PA
23-44-0176	ENOS J YODER	R D	BELLEVILLE	17004	PA
23-44-0177	JAMES L HOSTETTER	R D 2	MC VEYTOWN	17051	PA
23-44-0180	GALEN M KENEPP	BOX 243 R D 1	MC VEYTOWN	17051	PA
23-44-0182	KORE E KAUFFMAN	R D	BELLEVILLE	17004	PA
23-44-0187	MARK S YODER	R D 1 BOX 339	BELLEVILLE	17004	PA
23-44-0191	JOHN C HARTZLER	R D 1	BELLEVILLE	17004	PA
23-44-0194	MARLIN W PEACHEY	R D 1	BELLEVILLE	17004	PA
23-44-0195	JOHN W WEBER	BOX 333	MILROY	17063	PA
23-44-0204	L MARLIN YODER	R D 1 BOX 402	BELLEVILLE	17004	PA
23-44-0205	KORE E YODER	R D 1 BOX 406	BELLEVILLE	17004	PA
23-44-0206	JOSEPH I PEACHEY JR	R D 1 BOX 382	BELLEVILLE	17004	PA
23-44-0207	A DALE KANAGY	R D 1	REEDSVILLE	17084	PA
23-44-0217	E CLAIR FISHER	R D 1 BOX 229	LEWISTOWN	17044	PA
23-44-0228	GIDEON L YODER	PO BOX 5601	BELLEVILLE	17004	PA
23-44-7004	JESSE E PEACHEY &SON	R D	BELLEVILLE	17004	PA
23-44-7037	DANIEL SWAREY	R D 1	REEDSVILLE	17084	PA
23-44-7040	HARVEY L YODER	R D 1	BELLEVILLE	17004	PA
23-46-0102	MAYNARD ROTHENBERGER	R D 2 MERRYMEAD FA	LANSDALE	19446	PA
23-46-0112	RICHARD R KRIEBEL	R D 1	LANSDALE	19446	PA
23-46-0113	ABRAM Z RITTENHOUSE	R D 1	LANSDALE	19446	PA
23-46-0117	CHESTER M MYERS	R D 1	SOUDERTON	18964	PA
23-46-0119	J ARTHUR MOYER	13 ALLENTOWN RD	SOUDERTON	18964	PA
23-46-0126	GRATER BROS	MIXED MAPLES FARM	SCHWENKSVILLE RD1	19473	PA
23-46-0127	ROBERT A GREASER	715 FORTY FOOT RDA	HATFIELD	19440	PA
23-46-0132	ARTHUR K HACKMAN	2701 FUNKS ROAR	HATFIELD	19440	PA
23-46-0216	HIGHVIEW FARM	79 REED ROAD	ROYERSFORD	19468	PA

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	. . . . A D D R E S S O F O W N E R . . . . STREET OR ROUTE	TOWN	ZIP-CODE	STATE
23-46-0220	GEORGE STERNER	R D 1	BECHTELSVILLE	19505	PA
23-46-0222	CORRECTIONAL INDUST	BOX 244	GRATERFORD	19426	PA
23-46-0228	WALEBE FARMS	R D 2	COLLEGEVILLE	19426	PA
23-46-0232	MERRILL MEST		OBELISK	19492	PA
23-46-0233	ELMER RENNINGER	2ND AVE BOX 882	ROYERSFORD	19468	PA
23-46-0237	GRIM BROS	1456NORTH HANOVER	POTTSTOWN	19464	PA
23-46-0238	CHARLES RHOADS		OBELISK	19492	PA
23-46-0244	MARK A SLATER	R D 1	PERKIOMENVILLE	18074	PA
23-46-0303	NORRISTOWN STATE HOS	% DAIRY FARM	NORRISTOWN	19401	PA
23-46-0321	GEORGE SENEKO JR	680 UPPER MAINLAND	HARLEYSVILLE	19438	PA
23-46-0323	CURTIS N KRATZ	192 ALLENTOWN ROAD	SOUDERTON	18964	PA
23-46-0324	ROBERT L FREED SR	BOX 106 880 MILL R	VERNFIELD	18973	PA
23-46-0333	AR DAN FARMS	R D 1	GILBERTSVILLE	19525	PA
23-46-0346	LAR ANN FARM	269HARLEYSVILLE PI	HARLEYSVILLE	19438	PA
23-46-0347	MERRILL G RUTH	R D 1	TELFORD	18969	PA
23-46-0352	E DANIEL LEATHERMAN	544 HUNSICKER RD	TELFORD	18969	PA
23-46-0404	FRED & WILBUR SEIPT	R D 1	LANSDALE	19446	PA
23-46-0410	KENNETH P SCHULTZ	OLD KUTZTOWN RD	EAST GREENVILLE	18041	PA
23-46-0417	RALPH SCHULTZ		HEREFORD	18056	PA
23-46-0438	GEHRINGER BROS		BALLY	19503	PA
23-46-0440	WILLIS F ESCHBACH	ORTTS ROAD	PENNSBURG	18073	PA
23-46-0449	DAVID P LONGACRE		HEREFORD	18056	PA
23-46-0503	IRWIN L ZIEGLER	151 INDIAN CREEK R	HARLEYSVILLE	19438	PA
23-46-0512	CURTIS & LOWELL NICE	631 MOYER ROAD	TELFORD	18969	PA
23-46-0528	W B SAUL HIGH SCHOOL	7100 HENRY AVENUE	PHILADELPHIA	19128	PA
23-46-7035	JOHN W MEYERS	R D 1	SCHWENKSVILLE	19473	PA
23-47-0025	CLARENCE MESSERSMITH	R D 1	DANVILLE	17821	PA
23-47-0072	LUNDY BROTHERS	R D 2	DANVILLE	17821	PA
23-47-0073	EDWARD & SHIRLEY KER	R D 5	DANVILLE	17821	PA
23-47-0081	MAR-JA FARM	R D 2	MILTON	17847	PA
23-48-0004	WILLIAM E BUSH	R D 2	BANGOR	18013	PA
23-48-0025	FULMER BROS	R D 3	NAZARETH	18064	PA
23-48-0026	EDWIN J GUM	R D 1	PEN ARGYL	18072	PA
23-48-0027	WILSON & DALE GUM	R D 1	PEN ARGYL	18072	PA
23-48-0031	KEYSTONE FARM	R D 4	EASTON	18042	PA
23-48-0032	KOCH & FLUCK	R D 4	EASTON	18042	PA
23-48-0036	HOWARD&LARRY MCEWEN	R D 2	BANGOR	18013	PA
23-48-0037	BACH ECHO FARM	R 4	EASTON	18042	PA
23-48-0038	R BERNARD MERWARTH	R D 2	EASTON	18042	PA
23-48-0041	MAPLE GROVE FARM	R D 1	NAZARETH	18064	PA
23-48-0044	BUDD & STEVE OTT	R D 2	BANGOR	18013	PA
23-48-0048	LOUIS PEKTOR JR	R 1	HELLERTOWN	18055	PA
23-48-0055	R U SAYLOR & SON	R D 1	EASTON	18042	PA
23-48-0057	SEIFERT BROS		SPRINGTOWN	18081	PA
23-48-0067	JOHN S THALER	R 4	EASTON	18042	PA
23-48-0070	PAUL WEIDMAN	R D 2	BANGOR	18013	PA
23-48-0074	JOHN VALKOVEC & SON	R D 2 BOX 14A	BATH	18014	PA
23-48-0079	YOUNG BROS	R 4	EASTON	18042	PA
23-48-0104	GORDON MANN	R D 2 BOX 221	NORTHAMPTON	18067	PA
23-48-0107	ERNEST M BACHMAN	R D 4	EASTON	18042	PA
23-48-0120	RICHARD W SMITH	R D 2 BOX 212	NORTHAMPTON	18067	PA
23-48-0121	FLOYD & BARRY OTT	R D 2	BANGOR	18013	PA
23-48-0124	POND HOLLOW FARM	R D 2	BANGOR	18013	PA
23-48-0131	HAROLD FABIAN	3740 TWP LINE ROAD	BETHLEHEM	18017	PA
23-48-0139	GERALD& CAROLE ULMER	R D 1	RIEGELSVILLE	18077	PA
23-48-0144	ANTHONY COMPAGNOLA	R D 4	EASTON	18042	PA
23-48-6001	TWINGAP FARM	R D 1	MT BETHEL	18343	PA
23-48-7044	ACKERMAN BROS	R D 4	EASTON	18042	PA
23-49-0011	ALVIN & JERRY SMITH	R D 2	MILTON	17847	PA
23-49-0029	LEON EPLER FARMS INC	R D 1	NORTHUMBERLAND	17857	PA
23-49-0038	CARL M WITMER	R D 1	DALMATIA	17017	PA
23-49-0066	LAWRENCE SHOWERS	R D 2	MILTON	17847	PA
23-49-0111	LEWIS FARMS	% HOWARD DECKER	R D 1 DANVILLE	17821	PA
23-49-0114	CLIFFORD A LEVAN	R D 1	MILTON	17847	PA
23-49-0117	GEORGE SHOWERS & SON	R D 1	ALLENWOOD	17810	PA
23-49-0124	FRED FELTENBERGER	R D 1	WATSONTOWN	17777	PA
23-49-6003	NELSON E WITMER	R D 1	DALMATIA	17017	PA
23-50-0002	ALFRED ALBRIGHT	R D 1	LANDISBURG	17024	PA
23-50-0004	MILMAY FARM	R D 1	LOYSVILLE	17047	PA
23-50-0005	CARL E MC MILLEN	R D 1	LOYSVILLE	17047	PA
23-50-0006	RAY E MC MILLEN	R D	LOYSVILLE	17047	PA
23-50-0008	MARY E RICE		BLAIN	17006	PA
23-50-0011	MAX REAPSOME		LOYSVILLE	17047	PA
23-50-0014	WILLIAM E MARTIN		LOYSVILLE	17047	PA
23-50-0016	MT HOME FARM	R D 1 BOX 23	ICKESBURG	17037	PA
23-50-0022	KARL E KENNEDY & SON		GREEN PARK	17031	PA
23-50-0027	HOWARD D BARKLEY	R D 1 BOX 374	NEWPORT	17074	PA
23-50-0031	J OWEN EBERSOLE	R D 1	DUNCANNON	17020	PA
23-50-0034	DUMBELLE FARMS	R D 1	LANDISBURG	17040	PA
23-50-0043	FRANK RICE	R D 1	BLAIN	17006	PA
23-50-0044	MILLIGAN BROS		LOYSVILLE	17047	PA
23-50-0050	J TED TROUTMAN	R D	MILLERSTOWN	17062	PA
23-50-0053	RAY L KLING	R F D 1	LOYSVILLE	17047	PA
23-50-0056	JOHN R GABEL	R D 1 BOX 218	NEWPORT	17074	PA
23-50-0074	PORTER D HOSTETTER	R D 1	DUNCANNON	17020	PA

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	ADDRESS OF OWNER: STREET OR ROUTE	TOWN	ZIP-CODE	STATE
23-50-0080	ROY E HALL	R D 1	MILLERSTOWN	17062	PA
23-50-0081	DELMAR BROFEE & SON	R D 2	MILLERSTOWN	17062	PA
23-50-0082	PENNSHILL FARM	R D 2	MILLERSTOWN	17062	PA
23-50-0086	MRS ROY CAMPBELL SON	R D 3 BOX 25	NEWPORT	17074	PA
23-50-0093	CHARLES C BYERS	R D 1	MILLERSTOWN	17062	PA
23-50-0099	AGROPHILOS INC	R D 1	MILLERSTOWN	17062	PA
23-50-0103	FRANK J HOKE	R D 1 BOX 93	ICKESBURG	17037	PA
23-50-0104	RALPH E SMITH	R D 1 BOX 120	MILLERSTOWN	17062	PA
23-50-0311	J W & C L ACHENBACH	R D	MILLERSTOWN	17062	PA
23-50-0322	WAYNE L STEPHENS		NEWPORT	17074	PA
23-50-0324	CLYDE S GAULT	R D 1	DUNCANNON	17020	PA
23-50-0327	DAVID Z KENNEDY		NEWPORT	17074	PA
23-53-0004	FRANK N LENT	R F D 1	COUDERSPORT	16915	PA
23-53-0005	ARLING JUDD & SON	R F D 1	HARRISON VALLEY	16927	PA
23-53-0006	PAUL BUCK	R D 1	ULYSSES	16948	PA
23-53-0008	W H CURRIER	R D	GENESEE	16923	PA
23-53-0013	EUGENE ERWAY	R F D 1	COUDERSPORT	16915	PA
23-53-0014	FLOYD LONG	R F D 1	COUDERSPORT	16915	PA
23-53-0015	GUY DUNN	R F D 1	COUDERSPORT	16915	PA
23-53-0017	CARY BROTHERS	BOX 137	HARRISON VALLEY	16927	PA
23-53-0021	HOMER PREDMORE	R D 3	COUDERSPORT	16915	PA
23-53-0023	IVAN KIBBE JR	R F D 1	HARRISON VALLEY	16927	PA
23-53-0024	JACK KNOWLTON	R 4	COUDERSPORT	16915	PA
23-53-0029	KENNETH L LAMBERT	R F D 1	ULYSSES	16948	PA
23-53-0048	LEWIS L LENT	R D 1	COUDERSPORT	16915	PA
23-53-0057	ALVIN B MILLER & SON	R D	ULYSSES	16948	PA
23-53-0078	IVAN SMOKER & SONS	R D	GENESEE	16923	PA
23-53-0080	RAYMOND E BUCK		ULYSSES	16948	PA
23-53-0082	ROBERT F GREENE JR	R D 1	ROULETTE	16746	PA
23-53-0084	LEONARD KENYON	R D 2	COUDERSPORT	16915	PA
23-53-0086	FRED A KNOWLTON	R 1	ROULETTE	16746	PA
23-53-0089	ALBERT ROBBINS	R D 1	SHINGLEHOUSE	16748	PA
23-53-0110	JOHN SEYMOUR	R D 1	ROULETT	16746	PA
23-53-0121	JUDY W BREEDEN	R D 2	COUDERSPORT	16915	PA
23-53-0122	WILLIAM SILSBY	R D 2	GENESEE	16923	PA
23-53-0129	ROBERT FRANCIS	BOX 262	ULYSSES	16948	PA
23-53-0147	CHARLES M CORNELL	R D 2	GENESEE	16923	PA
23-53-0148	JAMES L SMITH	R D 1	ULYSSES	16948	PA
23-53-0150	LAWRENCE BRENDLINGER	R D 1	COUDERSPORT	16915	PA
23-53-7048	DAVID ANGOOD	R D 1	ULYSSES	16948	PA
23-54-0003	WILLIAM R DAUBERT	R F D 2	PINE GROVE	17963	PA
23-54-0016	JAMES GUERS	R D 1	TAMAQUA	18252	PA
23-54-0018	LEIBY BROTHERS	R D 1	TAMAQUA	18252	PA
23-54-0019	PAUL & KEN WAGNER	R D 1	TAMAQUA	18252	PA
23-54-0021	HEISLER BROS	R F D 1	TAMAQUA	18252	PA
23-54-0029	CARL HEISLER	R D 1	TAMAQUA	18252	PA
23-54-0038	JERSEY ACRES FMS INC	R D 2	PINE GROVE	17963	PA
23-54-0043	DANIEL HEISLER	R D 1	TAMAQUA	18252	PA
23-54-0046	NORMAN ROTHERMEL	R D 1	PITMAN	17964	PA
23-54-0065	ELWOOD L ROTHERMEL	R D 1	KLINGERSTOWN	17941	PA
23-54-0067	SNYDER BROTHERS	R D 1	PITMAN	17964	PA
23-54-0081	PAUL HEISLER	R D 1	TAMAQUA	18252	PA
23-54-0096	CARL J SNYDER	R D 1	PITMAN	17964	PA
23-54-0098	WILBERT MOYER	R D 1	SCHUYLKILL HAVEN	17972	PA
23-54-0102	MARTIN L DAUBERT	R D 2	PINE GROVE	17963	PA
23-54-0105	KERMIT KAHLER	R D 1	PITMAN	17964	PA
23-54-0109	JOHN RODICHOK	200 WICONISCO AVE	TOWER CITY	17980	PA
23-55-0001	C C FISHER&SON	R D 1	SELINSGROVE	17870	PA
23-55-0003	SELINSGROVE ST SCH	BOX 500	SELINSGROVE	17870	PA
23-55-0004	MABARBIL FARMS	R D 3	MIDDLEBURG	17842	PA
23-55-0031	ALAN D YODER	R D 1	SELINGSGROVE	17870	PA
23-55-0032	WILBERT L FRY	R F D 1	WINFIELD	17899	PA
23-55-0044	RANDALL C REARICK	R F D 1	BEAVERTOWN	17813	PA
23-55-0047	LEIRE FRY & SONS	R D 2	MIDDLEBURG	17842	PA
23-55-0065	NORMAN W MOYER	R D 1	SELINSGROVE	17870	PA
23-55-0068	GUY S WINEY	R D 1	RICHFIELD	17086	PA
23-55-0076	RICHARD G NERHOOD	R F D 1	BEAVERTOWN	17813	PA
23-55-0091	GLENN & ETHEL STUCK	R D 1	SELINSGROVE	17870	PA
23-55-0095	RONALD B REICH	ROUTE 1	WINFIELD	17889	PA
23-55-0104	EARL E WALTER & SON	STAR ROUTE	BEAVER SPRINGS	17812	PA
23-55-0105	LEE & SANDRA SHAFFER	R D 2	SELINSGROVE	17870	PA
23-55-0107	CHRISTIE YODER	R D 2	SELINSGROVE	17870	PA
23-55-0108	BARRY& LOUISE SHIREY	R D 1	MIDDLEBURG	17842	PA
23-55-0110	HERMAN & KEN SMITH	R D 2	MIDDLEBURG	17842	PA
23-55-0112	JOHN&MARGARET SHIREY	R D 1	BEAVERTOWN	17813	PA
23-55-0115	RUSSEL E THOMAS	R D 1	BEAVERTOWN	17813	PA
23-55-0116	GEORGE KREBS	R D 1	BEAVERTOWN	17813	PA
23-55-0119	HAROLD S HASSINGER	R D 1	MIDDLEBURG	17842	PA
23-55-7013	THREE AYR FARM	R D 1	BEAVER SPRINGS	17812	PA
23-56-0005	LEON KNEPPER	R D 1	BERLIN	15530	PA
23-56-0008	CLAIR M REIMAN	R D 1	BERLIN	15530	PA
23-56-0012	EMERSON L KNEPPER	R D 1	BERLIN	15530	PA
23-56-0026	WILBERT M BRANT	R F D 1	FRIEDENS	15541	PA
23-56-0028	BAR VAL FARM INC	R D 2	BOSWELL	15531	PA
23-56-0036	JOSEPH JOHNS JR		DAVIDSVILLE	15928	PA

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	. . . . ADDRESS OF OWNER . . . . STREET OR ROUTE	TOWN	ZIP-CODE	STATE
23-56-0043	DAYTON & LARRY LOHR	R D 1 OA LA RO JD	HOOVERSVILLE	15936	PA
23-56-0050	GLENN E JOHNSON	R D 2	ROCKWOOD	15557	PA
23-56-0059	P B LATUCH	R D 1	ROCKWOOD	15557	PA
23-56-0082	HARRY S HILLEGAS	R D 3	BERLIN	15530	PA
23-56-0102	DONALD H WELCH	R D 1	FRIEDENS	15541	PA
23-56-0121	W J FARM	R D 1	BERLIN	15530	PA
23-56-0130	FRANK E LOWRY	R D 2	FRIEDENS	15541	PA
23-56-0131	LEWIS W BERKLEY	R D 3	BERLIN	15530	PA
23-56-0134	CLARK A YODER	R D 1	SALISBURY	15558	PA
23-56-0136	WILLARD MAUST	R D 1	MEYERSDALE	15552	PA
23-56-0142	EVAN L MAUST	R D 1	SALISBURY	15558	PA
23-56-0145	CALVIN M WILL	R D 1	BERLIN	15530	PA
23-56-0147	PAUL E YODER	R D 1	MEYERSDALE	15552	PA
23-56-0157	J CHESTER LONG	R D 1	FRIEDENS	15541	PA
23-56-0161	J WILLIAM SHULTZ	R D 4	BERLIN	15530	PA
23-56-0164	GALEN E SHAFFER	R D 4	BERLIN	15530	PA
23-56-0175	PAUL&DAVE COUNTRYMAN	R D 4	BERLIN	15530	PA
23-56-0180	JAY L HILLEGASS	R F D 1	BERLIN	15530	PA
23-56-0186	MERLE COUGHENOUR	R D 1 BOX 98	SALISBURY	15558	PA
23-56-0188	GERALD F CARR	R D 2	SOMERSET	15501	PA
23-56-0194	JAMES W SECHLER	R D 5	SOMERSET	15501	PA
23-56-0199	LEO M BEEGHLY	R D 1	SOMERSET	15501	PA
23-56-0200	ROBERT TAYLOR	R D 1	FRIEDENS	15541	PA
23-56-0207	WAYNE SCHROCK	R D 4	BERLIN	15530	PA
23-56-7075	PAUL J RYLE	R D 2	ROCKWOOD	15557	PA
23-56-7123	MARVIN E THOMAS	R D 2	HOLSOPPLE	15935	PA
23-57-0020	RONALD HEMBURY	R D	DUSHORE	18614	PA
23-57-0042	R LAVERNE MC CARTY	R D 1	FORKSVILLE	18616	PA
23-57-0057	RAYMOND NORCONK	R D 1	NEW ALBANY	18833	PA
23-57-0060	KEN & DALE BENNETT	R D 1	FORKSVILLE	18616	PA
23-57-0063	WILLIAM HOTTENSTEIN	R D 3	NEW ALBANY	18833	PA
23-57-0081	MAYNARD&MILO REIBSON	R D 1	FORKSVILLE	18616	PA
23-58-0006	ELMER HOOVER	R D 1	SPRINGVILLE	18844	PA
23-58-0009	RAYMOND B STRICKLAND		NICHOLSON	18446	PA
23-58-0022	LYMANSTEAD FARM	R D 1	MESHOPPEN	18630	PA
23-58-0040	WILLIAM BROOKS	R D 1	HOP BOTTOM	18824	PA
23-58-0045	WOODHOUSE FARM	R D 1	SPRINGVILLE	18844	PA
23-58-0053	LYN NAN FARM	R D 2	MONTROSE	18801	PA
23-58-0055	WILLIAM J GOFF	R D 3	MONTROSE	18801	PA
23-58-0074	MRS JOHN PETERSEN	R D 1	MONTROSE	18801	PA
23-58-0082	FRED MAJOR	R D 1	SUSQUEHANNA	18847	PA
23-58-0097	EDWARD J RUDBALL	R D 1	UNIONDALE	18470	PA
23-58-0100	KENNETH TEEL	R D 2	MESHOPPEN	18630	PA
23-58-0101	HAROLD ELY	R D 1	MONTROSE	18801	PA
23-58-0106	ALBERT WELLS	R D 2	HALLSTEAD	18822	PA
23-58-0143	EDWARD L BRANT	R D 2	SUSQUEHANNA	18847	PA
23-58-0186	WALTER E BROOKS	R D 1	SPRINGVILLE	18844	PA
23-58-0188	MIL CLIFF FARMS	R D 1	RUSHVILLE	18839	PA
23-58-0190	MARK LONGACRE	R D 1	SUSQUEHANNA	18847	PA
23-58-0201	ZICK VIEW FARM	R D 1	KINGSLEY	18826	PA
23-58-0204	MILLER PAGE	R D 1	SUSQUEHANNA	18847	PA
23-58-0218	CLIFFORD TINKLEPAUGH	R D 1	THOMPSON	18465	PA
23-58-0283	GARY MATULEVICH	R D 2	NICHOLSON	18446	PA
23-58-0297	RICHARD NAYLOR	R D 2	SPRINGVILLE	18844	PA
23-58-0306	GUY WELLS	R D 1	MONTROSE	18801	PA
23-58-0310	MARION SHOWALTER	R D 2	MONTROSE	18801	PA
23-58-0343	FRANCIS HIBBARD&SONS		DIMOCK	18816	PA
23-58-0359	BOYD STRICKLAND	R D 2	NICHOLSON	18446	PA
23-58-0383	DAVID S FRANKS	R D 1	SPRINGVILLE	18844	PA
23-58-0385	WILL POND FARM	R D 2	NEW MILFORD	18834	PA
23-58-0422	THOMAS SALANSKY	R D 1	UNIONDALE	18470	PA
23-58-0451	CHESTER L CARPENTER	R D 1	THOMPSON	18465	PA
23-58-0456	A O CLINK		SPRINGVILLE	18844	PA
23-58-0460	THOMAS R WILLIAMS	R D 1	UNIONDALE	18470	PA
23-58-0464	RICHARD PLACE	R D 1	LACEYVILLE	18623	PA
23-58-0471	ROBERT WARRINER	R D 2	SPRINGVILLE	18844	PA
23-58-0472	CLYMAR FARMS	R D 1	RUSHVILLE	18839	PA
23-58-0488	EVERETT D STONE	R D 1	THOMPSON	18465	PA
23-58-0493	TED-JAN FARMS	R D 3	MESHOPPEN	18630	PA
23-58-0511	JOSEPH KRALL	R D 3	SUSQUEHANNA	18847	PA
23-58-0516	LOUDEN HILL INC		DIMOCK	18816	PA
23-58-0529	CYRIL J WARREN	R D 2	NEW MILFORD	18834	PA
23-58-0557	SUTTON FARMS INC	FARM-2 R D 1	SPRINGVILLE	18844	PA
23-58-0558	BRICE CONKLIN	R D 3	SUSQUEHANNA	18847	PA
23-58-6004	SAM F WILLIAMS		LERAYSVILLE	18829	PA
23-58-6010	MEADVALLEY FARM 1	R D 1	MONTROSE	18801	PA
23-59-0003	JACK E RANDALL	R D 2	ROARING BRANCH	17765	PA
23-59-0012	ROLAND KEHRES	R D 1	ROARING BRANCH	17765	PA
23-59-0016	GERALD PARKER	STAR ROUTE	LIBERTY	16930	PA
23-59-0032	BAITYVIEW FARMS	R D 1	COVINGTON	16917	PA
23-59-0036	ROSWELL DOUGHTY	R F D 3	MANSFIELD	16933	PA
23-59-0038	DEAN BAITY	R F D 1	COVINGTON	16917	PA
23-59-0051	WILLIAM INSCHO	R D 1	MANSFIELD	16933	PA
23-59-0055	CLARK BOWEN	R D 3	WELLSBORO	16901	PA
23-59-0059	JOHN TOMCHICK	R D 3	WELLSBORO	16901	PA

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	ADDRESS OF OWNER: STREET OR ROUTE	TOWN	ZIP-CODE	STATE
23-59-0062	PAG O MAR FARM	R D 2	WELLSBORO	16901	PA
23-59-0065	LEWIS E PRICE	R D 1	MANSFIELD	16933	PA
23-59-0067	TIOGA COUNTY FARM	R D 3	WELLSBORO	16901	PA
23-59-0069	LEON ERWAY	R D 1	WELLSBORO	16901	PA
23-59-0070	DUANE WILCOX	R D 1	COVINGTON	16917	PA
23-59-0098	W K & D W LAWTON	R D 5 BOX 131	WELLSBORO	16901	PA
23-59-0103	K W LINDER	R D 1	KNOXVILLE	16928	PA
23-59-0142	THEODORE SCHMELZLE	R D 2	ROARING BRANCH	17765	PA
23-59-0146	C EDWARD WIAND	R D 2	MANSFIELD	16933	PA
23-59-0151	MILTON SHERMAN	R D 3	MANSFIELD	16933	PA
23-59-0164	DONALD VAN VLIET	R D 5	WELLSBORO	16901	PA
23-59-0173	WILBUR KERRICK	R D 2	ROARING BRANCH	17765	PA
23-59-0193	DAVID WEAVER	R D 1	ROARING BRANCH	17765	PA
23-59-0208	JOSEPH R WEST	BOX 54	MIDDLEBURY CENTER	16935	PA
23-59-0226	RICHARD CHAMBERLAIN	R F D 3	MANSFIELD	16933	PA
23-59-0264	JOSEPH R SHERMAN	R D 3	MANSFIELD	16933	PA
23-59-0265	CLINTON & OWEN BAKER	R D 4	WELLSBORO	16901	PA
23-59-0266	JEROME H WEBSTER	R D 4	WELLSBORO	16901	PA
23-59-0267	ROBERT SHANLEY	R D 1	ROARING BRANCH	17765	PA
23-59-0272	ALFRED SPARLING	R D 3	MANSFIELD	16933	PA
23-59-0299	EMERSON TROWBRIDGE	R D 1	KNOXVILLE	16928	PA
23-59-0300	VERNARD WATKINS	R D 1	LITTLE MARSH	16931	PA
23-59-0319	WAR-BERN FARM	R D 2	MANSFIELD	16933	PA
23-59-0332	LESTER G THOMAS	R D 1	COVINGTON	16917	PA
23-59-0345	MILES NEAL & SONS	R D 2	ROARING BRANCH	17765	PA
23-59-0347	BRENTON BAILEY	R D 1	MAINESBURG	16932	PA
23-59-0361	CHARLES PORTER	R D 2	CANTON	17724	PA
23-59-0381	RAYMOND D JONES &SON	R D 2	TIOGA	16946	PA
23-59-0394	EDSON &WILFRED SMITH	R D 1	LAWRENCEVILLE	16929	PA
23-59-0400	RONALD WEST	R D 1	MANSFIELD	16933	PA
23-59-0401	JAY N HEISEY	R D 5	WELLSBORO	16901	PA
23-59-0402	WINSTON RUMSEY	BOX 84	MAINESBURG	16932	PA
23-59-0404	OAKLEY BROS	R D 1	LIBERTY	16930	PA
23-59-0420	GOR WOOD D ACRES	R D 1 % LEROY PLAN	MANSFIELD	16933	PA
23-59-0430	THOMAS H PARSONS	R D 1	COVINGTON	16917	PA
23-59-0434	LAWRNCE&DALE MACHMER	R D 2	CANTON	17724	PA
23-59-0439	DAVID H GRISWOLD	R D 2 BOX 29	ROARING BRANCH	17765	PA
23-60-0003	LEON M MUSSER	R D 2	LEWISBURG	17837	PA
23-60-0006	HAROLD B WALTER &SON	R D 1	LEWISBURG	17837	PA
23-60-0010	LAURELTON SCH & HOSP	% DAVIS GEN DEL	LAURELTON	17835	PA
23-60-0019	FRED & CHARLES DOCK	R D 2	LEWISBURG	17837	PA
23-60-0031	CRISSONS FARMS	R D 1	LEWISBURG	17837	PA
23-60-0032	LEWIS V KENAMOND	EAST CHESTNUT ST	MIFFLINBURG	17844	PA
23-60-0035	GEORGE L SPANGLER	R D 2	LEWISBURG	17837	PA
23-60-0036	EUGENE SPANGLER	R D 2	MIFFLINBURG	17844	PA
23-60-0043	RICHARD C RESSEGUIE	R D 3	LEWISBURG	17837	PA
23-60-0069	GLEN ZIMMERMAN	R D 2	MIFFLINBURG	17844	PA
23-60-0077	CLARENCE E CARBAUGH	R D 1	MIFFLINBURG	17844	PA
23-60-0080	HENRY SANDERS	R D 1	MILLMONT	17845	PA
23-60-0107	CLARENCE W BEILER	R D 1	MIFFLINBURG	17844	PA
23-60-0109	DAVID W FORESMAN	R D 2	MIFFLINBURG	17844	PA
23-60-0124	JOHN F WEHR & SON	R D 2	MIFFLINBURG	17844	PA
23-60-0135	ELAM BEILER	R D 2	MIFFLINBURG	17844	PA
23-60-0138	PAUL LONGENECKER	R D 2	LEWISBURG	17837	PA
23-60-0150	ROLAND &DALE HACKMAN	R D 3	LEWISBURG	17837	PA
23-61-0004	VIVIAN F RIDDLE	ROUTE 2	EMLENTON	16373	PA
23-61-0017	BURNS BROS	ROUTE 1	VENUS	16364	PA
23-61-0039	BEAN BROS	R D 3	FRANKLIN	16323	PA
23-61-0040	WINDY HILL FARMS	R D 3	TITUSVILLE	16354	PA
23-62-0010	LINDELL BROS	R D 2	RUSSELL	16345	PA
23-62-0017	WARREN STATE HOSP	BOX 240	NORTH WARREN	16365	PA
23-62-0021	CARLETON J CURTIS	R D 1	COLUMBUS	16405	PA
23-62-0062	FLOYD BEARDSLEY	R D 2	PITTSFIELD	16340	PA
23-62-0072	WEND A MAR FARM	310 RACE ST	SUGAR GROVE	16350	PA
23-62-0075	RICHARD W STUTZMAN	R D 3	CORRY	16407	PA
23-62-0078	LOUIS KANE	R D 2	RUSSELL	16345	PA
23-62-0082	CLIFFORD CABLE	R D 2	RUSSELL	16345	PA
23-62-0092	DODDS FARMS	R D 2	CORRY	16407	PA
23-62-0094	RAN-DELL FARM	R D 2	CORRY	16407	PA
23-62-0095	WALTER A KIBBEY	5TH AVE EXTENSION	WARREN	16365	PA
23-62-0109	JACK&MARY DONALDSON	R D 2	RUSSELL	16345	PA
23-63-0002	FAVA BROS	R D 1	SCENERY HILL	15360	PA
23-63-0010	JOHN MARCHEZAK	R F D 1	BENTLEYVILLE	15314	PA
23-63-0013	PEVARNIK BROS	R F D 1	CARMICHAELS	15320	PA
23-63-0014	CLYDE&ROBERT ROBISON	R D 1	COAL CENTER	15423	PA
23-63-0023	ALVIN CARTER & SONS	R D 4	MCDONALD	15057	PA
23-63-0024	C E CARTER & SONS	R D 4	MCDONALD	15057	PA
23-63-0065	W KENNETH SMITH	R D 2	AVELLA	15312	PA
23-63-0081	A L MORRISON JR	R D 1	WEST ALEXANDER	15376	PA
23-63-0107	A J CELESTINE	R F D 1	SCENERY HILL	15360	PA
23-63-0114	EDWARD P KARPA	R D 1	AVELLA	15312	PA
23-63-0121	SMITH BROS	R D 4	MC DONALD	15057	PA
23-63-0152	RITCHIE D WEAVER	R D 1 BOX 220	CANONSBURG	15317	PA
23-63-0193	JA & RC FOSTER	R D 5	WASHINGTON	15301	PA
23-63-0194	TOLLGATE AYR FARMS	R D 1	WEST ALEXANDER	15376	PA

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	. . . . A D D R E S S O F O W N E R . . . . STREET OR ROUTE	TOWN	ZIP-CODE	STATE
23-64-0003	CLEARFIELD FARMS	R F D 2	HONESDALE	18431	PA
23-64-0004	ROWE BROS	R D 2	HONESDALE	18431	PA
23-64-0011	FOLLEY BROS	R D 1	WAYMART	18472	PA
23-64-0045	ROBERT SHEARD		MILANVILLE	18443	PA
23-64-0050	WALTER WOYTERA	R D 1	NARROWSBURG	12764	NY
23-64-0058	PAUL D AGATI	STAR ROUTE	HANCOCK	13783	NY
23-64-0083	BRUCE BANKS	R D 1	NEWFOUNDLAND	18445	PA
23-64-0093	LOCKLIN BROS		LAKEVILLE	18438	PA
23-64-0109	ROBERT BAILEY	R D 1	WAYMART	18472	PA
23-64-0116	FARVIEW STATE HOSP	ARTHUR ROBINSON	WAYMART R D 2	18472	PA
23-64-0188	BUNTLINE FARMS	STAR ROUTE	HONESDALE	18431	PA
23-64-0189	GEORGE FLYNN	R D 1	LAKEWOOD	18439	PA
23-64-0199	ARTHUR H NOBLE	R D 4	HONESDALE	18431	PA
23-64-0200	E W LEPRO	R D 2	THOMPSON	18465	PA
23-64-0203	MILTON L VAIL	R D 3	HONESDALE	18431	PA
23-64-0222	ROBERT K HELLMERS	R D BOX 1	EQUINUNK	18417	PA
23-64-0226	LARRY & BRUCE MCLAIN	STAR ROUTE	MOSCOW	18444	PA
23-64-0233	ELWOOD C DRAKE	R D 1	WAYMART	18472	PA
23-64-0247	ALTON HARVEY	R D 1	HONESDALE	18431	PA
23-64-0248	TRI NON FARMS	R D 1	PLEASANT MOUNT	18453	PA
23-64-0255	ROBERT OLVER	R D 1	HONESDALE	18431	PA
23-64-0268	ALTON C OLVER	R D 1 BOX 205	HONESDALE	18431	PA
23-64-0275	H L WOODMANSEE	R D	LAKE COMO	18455	PA
23-64-0298	FREDERICK NORDENHOLD	R D 1	NARROWSBURG	12764	PA
23-64-0299	JAMES SLOCUM	R D 3	SUSQUEHANNA	18847	PA
23-64-0307	DAVID HAUENSTEIN III		ALDENVILLE	18401	PA
23-64-0308	A F EDWARDS & SON	R D 3	LAKE ARIEL	18436	PA
23-64-0314	WILLARD E NEWCOMER	R D 1	NEWFOUNDLAND	18445	PA
23-64-0319	STARLIGHT-W-DAIRY	BOX 28	STARLIGHT	18461	PA
23-64-0324	CURTWOOD FARMS	HOMER & ALYSE CURT	PRESTON PARK	18455	PA
23-64-5002	WM J PERKINS	302 9TH ST	HONESDALE	18431	PA
23-64-7065	D ELLIS DIX	R D I	PLEASANT MOUNT	18453	PA
23-65-0011	RALPH PUGH	R D 3 BOX 92	GREENSBURG	15601	PA
23-65-0022	JOHN W GAUT	R D 1	SCOTTDALE	15683	PA
23-65-0028	WALTER LASH & SONS	R F D 1	WEST NEWTON	15089	PA
23-65-0038	E RICHARD STONER	R D 3	ALVERTON	15612	PA
23-65-0045	JOSEPH ZUMBRO	R F D 1	WEST NEWTON	15089	PA
23-65-0063	GOLDIE LYONS & SON	R D 2	SALTSBURG	15681	PA
23-65-0067	ANDREW ROSKOVENSKY	R D 2 BOX 269C	LATROBE	15650	PA
23-65-0069	BOYD E WOLFF	R D 2	NEW ALEXANDRIA	15670	PA
23-65-0080	SILVIS FARMS INC	R D 1	GREENSBURG	15601	PA
23-65-0114	VIRGIL WALTERS	R D 2 BOX 105A	NEW ALEXANDRIA	15670	PA
23-65-0115	KENNETH WALTERS	R D 2 BOX 105	NEW ALEXANDRIA	15670	PA
23-65-0154	ROBERT M LENHART	BOX 295B R D 1	NEW STANTON	15672	PA
23-65-0159	KENNETH H SNYDER	R D 1 BOX 136	CHAMPION	15622	PA
23-65-0170	HARRY R MARKER	R D 1	LIGONIER	15658	PA
23-65-0182	KING G KNUPP	R D 1	LIGONIER	15658	PA
23-65-0187	MEVLAN SINAN & SON	R D 3 BOX 46	EXPORT	15632	PA
23-65-0188	THOMAS HUNT	R D I BOX 257	LATROBE	15650	PA
23-65-0199	NEW HOPE FARMS	R D 1	IRWIN	15642	PA
23-65-0209	ROBERT & JANE MAYHEW	R D 4	BELLE VERNON	15012	PA
23-66-0001	DONALD ARTHUR	154 LACEY ST	LACEYVILLE	18623	PA
23-66-0004	DONALD L WILLIAMS	R D 5	TUNKHANNOCK	18657	PA
23-66-0005	ARROWHEAD FARM	R D 2	LACEYVILLE	18623	PA
23-66-0014	MR ARTHUR MORRISON	R D 2	LACEYVILLE	18623	PA
23-66-0024	CLIFFORD SANDS	R D 5	TUNKHANNOCK	18657	PA
23-66-0053	EMERY TAYLOR	R D 1	FACTORYVILLE	18419	PA
23-66-0064	RALPH MILLIRON	R F D 2	LACEYVILLE	18623	PA
23-66-0080	CHARLES KALINOWSKI	R D 4	TUNKHANNOCK	18657	PA
23-66-0083	FRED J KINTNER JR	R D 2	MEHOOPANY	18629	PA
23-66-0085	DONALD BARTH	R D 3	TUNKHANNOCK	18657	PA
23-66-0100	DALE TEWKESBURY	R D 2	MESHOPPEN	18630	PA
23-66-0106	T R DICKINSON	R D 3	TUNKHANNOCK	18657	PA
23-66-0123	THOMAS J HARDING	R D 2	TUNKHANNOCK	18657	PA
23-66-7004	JOHN & GEO JURISTA	R D 5	TUNKHANNOCK	18657	PA
23-67-0003	GEO KNIGHT	R D 1	AIRVILLE	17302	PA
23-67-0004	SAM & DAVID STEWART	R D I	DELTA	17314	PA
23-67-0014	S WISE & S KILGORE	R D 1	BROGUE	17309	PA
23-67-0021	FAWN VALLEY FARM	R D 1	FAWN GROVE	17321	PA
23-67-0037	WILLIAM H FANTOM	R D 1	DELTA	17314	PA
23-67-0040	ELLIS CROWL	R D 2	AIRVILLE	17302	PA
23-67-0067	SINKING SPRING FMINC	% H STEBBINS	R D 5 YORK	17402	PA
23-67-0075	RUTTER BROS	2100 NORTH GEORGE	YORK	17404	PA
23-67-0079	BESHORE FARMS	R D 1	NEW CUMBERLAND	17070	PA
23-67-0111	WALTER J MILLER	R D 2	DELTA	17314	PA
23-67-0112	HAROLD BROWN	R D 2	DELTA	17314	PA
23-67-0127	ALBERT DEHOFF	R D I	DALLASTOWN	17313	PA
23-67-0160	IRA L BOYER	110 BIESECKER RD	YORK	17404	PA
23-67-0162	GUY A LEADER & SONS	100 LEADERS HTS RD	YORK	17402	PA
23-67-0182	ROY & FRANK FEESER	R D 2	HANOVER	17331	PA
23-67-0186	H E FETROW & SONS	R D 4	YORK	17404	PA
23-67-0190	HARRY W BLESSING	R D 1	WRIGHTSVILLE	17368	PA
23-67-0200	CHARLES D BLAISURE	R D 4	YORK	17404	PA
23-67-0201	RODMAN C THOMPSON	R D I	EAST BERLIN	17316	PA
23-67-0207	STUMP ACRES	R D 6	YORK	17404	PA

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	........ADDRESS OF OWNER........ STREET OR ROUTE	TOWN	ZIP-CODE	STATE
23-67-0237	ROBERT R STEWART	R D 1	AIRVILLE	17302	PA
23-67-0243	FRED KIMMEL	R D 1	DILLSBURG	17019	PA
23-67-0249	RICHARD SMYSER	R D 1	YORK	17404	PA
23-67-0260	LEROY BUPP	R D 2	SEVEN VALLEYS	17360	PA
23-67-0271	DENNIS L MC WILLIAMS	R D 2	SEVEN VALLEYS	17360	PA
23-67-0272	PALMER MCWILLIAMS JR	R D 2	SEVEN VALLEYS	17362	PA
23-67-0274	ELMER MYERS	R D 1	GLEN ROCK	17327	PA
23-67-0292	PHILLIP D LAUGHMAN	R D 1	THOMASVILLE	17364	PA
23-67-0293	AVALONG FARMS INC	L L AMSPACHER R D	YORK	17402	PA
23-67-0294	AVALONG FARMS INC	L L AMSPACHER R D	YORK	17402	PA
23-67-0301	RICHARD E STOUGH	RD 6 WOLFS CHURCH	YORK	17404	PA
23-67-0302	PAUL R KING	R D 2	DELTA	17314	PA
23-67-0303	WAYNE B MUMMERT	R D 1	EAST BERLIN	17316	PA
23-67-0310	LYNN WOLF	R D 1	ABBOTTSTOWN	17301	PA
23-67-0316	DANIEL A ROHRBAUGH	R D 3	SPRING GROVE	17362	PA
23-67-7066	DAVID M GROSS	R D 2	RED LION	17356	PA
31-02-0001	CHANTICLEER FARMS	ROUTE 2	COLUMBUS GROVE	45830	OH
31-02-0007	ROBERT J. STRATTON	ROUTE 1	BLUFFTON	45817	OH
31-02-0320	LIMA STATE HOSPITAL		LIMA	45801	OH
31-02-0800	PAUL M. LONG & SONS	ROUTE 2	ADA	45810	OH
31-02-0840	H. L. PATTERSON	RT7.7040 ADA RD.	LAFAYETTE	45854	OH
31-02-9500	H.A. GOODMAN & SONS	3360 LIMA OTTAWA	LIMA	45801	OH
31-03-0011	TED HALL	ROUTE 1	LOUDONVILLE	44842	OH
31-03-0016	JOHN R SNODDY	ROUTE 3	W SALEM	44287	OH
31-03-0019	TED BECK	ROUTE 1	LOUDONVILLE	44842	OH
31-03-0026	NORMAN L.SPRANG	RT 1,BOX 139	PERRYSVILLE	44864	OH
31-03-0028	SPRENG BROTHERS	ROUTE 1, BOX 136	PERRYSVILLE	44864	OH
31-03-0044	JAMES E VINES	ROUTE 5 BOX 239	ASHLAND	44805	OH
31-03-0048	JAMES RICHARDS		SULLIVAN	44880	OH
31-03-0083	GLENN MUTCHLER	ROUTE 2	LOUDONVILLE	44842	OH
31-03-0085	GAIL O. WOLF	ROUTE 2 BOX 93	ASHLAND	44805	OH
31-03-0086	OSU,MOORES-DEMONS.FM.	RON BAILEY,RT.2	JEROMESVILLE	44840	OH
31-03-0095	CARLTON J. HARPSTER	ROUTE 1	JEROMESVILLE	44840	OH
31-03-0100	GEORGE SLABIE AND SON	ROUTE 1	WEST SALEM	44287	OH
31-03-0106	RAY SWAISGOOD & SONS O	ROUTE 1 BOX 226	POLK	44286	OH
31-03-0126	BENTON L HELBERT	ROUTE 1	LOUDONVILLE	44842	OH
31-03-0300	GERALD HARPSTER &SONS	ROUTE 1	JEROMESVILLE	44840	OH
31-03-0330	HARLEY HEFFELFINGER	ROUTE 3	LOUDONVILLE	44842	OH
31-03-0495	PHILLIP A. KERR	R. D. 1	POLK	44866	OH
31-03-9040	EUGENE AND DEAN WELCH	ROUTE 1	POLK	44866	OH
31-03-9070	GARY L. BADGER	ROUTE 1	HOMERVILLE	44235	OH
31-03-9084	CHESTER A. JAMES	ROUTE 1	LOUDONVILLE	44842	OH
31-03-9120	ODJIMAR FARMS INC.	ROUTE 1	LAKEVILLE	44638	OH
31-03-9315	FREEWAY-VUE FARMS	ROUTE 1	WEST SALEM	44287	OH
31-04-0033	LLOYD ABBURL	R D 1	WILLIAMSFIELD	44093	OH
31-04-0039	JOHN KEEP	ROUTE 2	DORSET	44032	OH
31-04-0083	RICHARD&GEORGE HOGLE	UNDER RIDGE ROAD	CONNEAUT	44030	OH
31-04-0093	JOSEPH T. CLAY&SONS	ROUTE 1	WILLIAMSFIELD	44093	OH
31-04-0107	EDFRED FARMS	ROUTE 1	WILLIAMSFIELD	44093	OH
31-04-0110	LEROY HURST	ROUTE 2	JEFFERSON	44047	OH
31-04-0450	DAVID KELLOGG		ROME	44035	OH
31-04-0863	W. WINDELL SUCH		ANDOVER	44003	OH
31-04-9011	BETTY H STRUNA	ROUTE 1	WILLIAMSFIELD	44093	OH
31-06-0009	IVAN GLASS	ROUTE 2	ST. MARYS	45835	OH
31-06-0016	ROBERT BALLWEG	ROUTE 1	BOTKINS	45306	OH
31-06-0021	CLOICE SMITH AND SON	ROUTE 2	WAPAKONETA	45895	OH
31-06-0032	ELTON ELSASS & D REGUL	ROUTE 5	WAPAKONETA	45895	OH
31-06-0036	THOMAS BENSMAN	RURAL ROUTE	MINSTER	45865	OH
31-06-0044	FERD BROWN JR.	ROUTE 1	WAPAKONETA	45895	OH
31-06-0049	DANA RICHARDSON	ROUTE 4	WAPAKONETA	45895	OH
31-06-0056	PAUL BENSMAN	RURAL ROUTE	MINSTER	45865	OH
31-06-0058	LESTER SETTLAGE	ROUTE 2	ST. MARYS	45885	OH
31-06-0061	MRS. MARGARET GROVER	ROUTE 6	WAPAKONETA	45895	OH
31-06-0063	LESTER KRUSE	ROUTE 1	NEW KNOXVILLE	45871	OH
31-06-0070	JAMES PRUETER	ROUTE 1	NEW KNOXVILLE	45871	OH
31-06-0072	HAROLD BENSMAN	RURAL ROUTE	MINSTER	45865	OH
31-06-0084	LAWN CREST FARM	ROUTE 6	WAPAKONETA	45895	OH
31-06-0121	FRANKLIN PLACE	ROUTE 4	WAPAKONETA	45895	OH
31-06-0275	VERNON FLEDDERJOHANN	ROUTE 2	ST. MARYS	45885	OH
31-06-0400	L. HENSCHEN & SON	ROUTE 1	ST. MARYS	45885	OH
31-06-0450	REUBEN HIBNER	ROUTE 5	WAPAKONETA	45895	OH
31-06-0687	HARROD MENCHOFER	ROUTE 1	NEW BREMEN	45869	OH
31-06-0875	JOHN SCHROEDER	ROUTE 1	NEW KNOXVILLE	45871	OH
31-06-0920	ROGER TAYLOR	ROUTE 1	WAPAKONETA	45895	OH
31-06-9002	LEGENDARY HOLSTEINS	ROUTE 1	WAPAKONETA	45895	OH
31-06-9024	ROGER ELSASS	ROUTE 5	WAPAKONETA	45895	OH
31-06-9028	IVO OSTERLOH	ROUTE 1	MINSTER	45865	OH
31-06-9038	MATHIAS MILSTEAD	ROUTE 5	WAPAKONETA	45895	OH
31-06-9050	WILBERT BECKMAN	RURAL ROUTE	MINSTER	45865	OH
31-06-9081	DALE OUELLHORST	ROUTE 2	ST. MARYS	45885	OH
31-06-9094	MARVIN TOPP	RURAL ROUTE	NEW BREMEN	45869	OH
31-06-9475	WILSON SCHROLUCKE	ROUTE 1	NEW KNOXVILLE	45871	OH
31-06-9575	KENNETH J. EITING	ROUTE 1	MINSTER	45865	OH
31-06-9625	SILAS LAMMERS	ROUTE 1	NEW KNOXVILLE	45871	OH
31-06-9800	JOHN SCHLENKER	ROUTE 3	WAPAKONETA	45895	OH

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	. . . . A D D R E S S O F O W N E R . . . . STREET OR ROUTE	TOWN	ZIP-CODE	STATE
31-07-9031	WILLIAM K WATKINS	ROUTE 1	BELMONT	43718	OH
31-07-9390	PAUL K. GREENLEE	ROUTE 1, BOX 312	BRIDGEPORT	43912	OH
31-08-0032	EDWARD W. MILLER	ROUTE 2	GEORGETOWN	45121	OH
31-08-0044	JAMES RATLIFF	ROUTE 1	WINCHESTER	45697	OH
31-09-0046	JOHN A.BROSIUS & SONS	3401 OXFORDTRENTN	OXFORD	45056	OH
31-09-0047	DON LAKE	DARTOWN ROAD	HAMILTON	45013	OH
31-09-0320	ROBERT KEEHNER	ROUTE 3	MIDDLETOWN	45042	OH
31-09-0520	MADDOX AND RODEN	ROUTE 1	MIDDLETOWN	45042	OH
31-09-9005	WAYNE SPRING FARM	3370 HAMLTN EATON	HAMILTON	45011	OH
31-09-9042	MRS.T.H. CARRUTHERS 3	190 CORAL AVENUE	GLENDALE	45246	OH
31-09-9480	LEWIS AND SONS	3025 HAMLTN MASON	HAMILTON	45011	OH
31-10-0040	HAROLD W.SHIELDS	ROUTE 1	MINERVA	44657	OH
31-10-0044	EARL J. MC KARNS	ROUTE 1	KENSINGTON	44427	OH
31-10-0045	ANDY & JOE OCEL	ROUTE 1	MECHANICSTOWN	44651	OH
31-10-0063	VERNON L. DEININGER	RFD. 1	MALVERN	44644	OH
31-10-0070	STAN & RICH SNYDER	ROUTE 1	MALVERN	44644	OH
31-10-0150	DWIGHT M. DEVITT	ROUTE 2	CARROLLTON	44615	OH
31-10-0781	GARY FAWCETT	ROUTE 3	CARROLLTON	44615	OH
31-11-0098	POOLER AND HUMBLE	2117 N LUDLOW RD	URBANA	43078	OH
31-11-0148	ELDON & PAULINE GOINGS	7974 WSLY-CHAPLE	WEST LIBERTY,	43357	OH
31-11-0571	J.W. BLUM AND	ROUTE 1	URBANA	43078	OH
31-11-9133	DONALD ZERKLE & SON	RT.1 1362 N.DUGAN	URBANA	43078	OH
31-11-9139	JAMES PATTERSON	12409 ROSEDALE RD	MECHANICSBURG	43044	OH
31-11-9150	AYARS BROTHERS	12409 ROSEDALE RD	MECHANICSBURG	43044	OH
31-11-9476	KEN & WILFRED LEHMAN	ROUTE 1	WEST LIBERTY,	43357	OH
31-11-9731	W. A. SHIPLEY AND SON	ROUTE 3	URBANA	43078	OH
31-11-9935	C H GRAY & A C YODER	ROUTE 1	W LIBERTY	43357	OH
31-12-0006	YOUNGS JERSEY DAIRY	BOX 223,RT. 1	YELLOW SPG	45387	OH
31-12-0050	HAROLD LAUGHMAN	R.2 9356 AYERS RD	NEW CARLISLE	45344	OH
31-12-0081	ROGER PHARES	ROUTE 1	SOUTH VIENNA	45502	OH
31-12-0086	SMITH AND BROOKHOUSE	2313 CRABILL RD.	SPRINGFIELD	45502	OH
31-12-0099	KUNKLE BROS.	2039 E. POSSUM RD	SPRINGFIELD	45502	OH
31-12-0337	B. GRIESER & SONS	3375 SHRINE RD.	SPRINGFIELD	45502	OH
31-12-0570	C.V. MOORE	9836 SIGLER RD.	NEW CARLISLE	45344	OH
31-12-0705	LESTER D SNYDER	515 BISCHOFF ROAD	NEW CARLISLE	45344	OH
31-12-0720	CLARK STEWART AND SON	5632 E. PITCHIN	S. CHARLESTON	45368	OH
31-12-0810	FRED WEBER & SON	460 WEBER ROAG	SPRINGFIELD	45503	OH
31-12-0855	RICHARD WILT	ROUTE 1	SPRINGFIELD	45502	OH
31-12-9080	J E KEIFER	5602 S TECUMSEH	SPRINGFIELD	45502	OH
31-12-9306	CHESTER FOLCK & SONS	4810 S. YEL.SP.RD	SPRINGFIELD	45506	OH
31-12-9735	C.H.STICKNEY & SON	3743 E. HIGH ST.	SPRINGFIELD	45505	OH
31-13-0017	L. C. & J. C. LIMING		FELICITY	45120	OH
31-14-0036	WILMINGTON COL. FARM	ROUTE 2 BOX 180-C	WILMINGTON	45177	OH
31-14-0040	GRANTSTEAD FARM INC	RR 6 B 106 CRRY RD	WILMINGTON,	45177	OH
31-14-0500	J.E.PENQUITE & SON	ROUTE 2	BLANCHESTER	45107	OH
31-14-9006	GEORGE GANO	ROUTE 1	MARTINSVILLE	45146	OH
31-14-9020	CHARLES OSTERMEIER	ROUTE 1	MIDLAND	45148	OH
31-14-9026	L. DEAN & B.R. CROUSE	ROUTE I	WILMINGTON	45177	OH
31-14-9027	GRANTSTEAD FARMS INC	RR 6 B 106 CRRY RD	WILMINGTON,	45177	OH
31-14-9300	RICHARD HAINES	ROUTE 3 POWERS RD	SABINA	45169	OH
31-14-9900	WILMINGTON COL FM	R 2 BOX 180-C	WILMINGTON	45177	OH
31-15-0029	RUSSELL COOK	ROUTE 2	LEETONIA	44431	OH
31-15-0040	ROBERT D.RENO	ROUTE 1	ENON VALLEY	16120	OH
31-15-0092	LEO L DAVIS & SON	ROUTE 1	EAST ROCHESTER	44625	OH
31-15-0093	VALLEY VIEW FARM	ROUTE 5	SALEM	44460	OH
31-15-0094	CARL MILLER	ROUTE 2	COLUMBIANA	44408	OH
31-15-0103	ALLEN RHODES	ROUTE 1	COLUMBIANA	44408	OH
31-15-0110	WAYNE L. HERRON	ROUTE 2	SALEM	44460	OH
31-15-0124	DORIS STRYFFELER	ROUTE 2	BELOIT	44609	OH
31-15-0136	MAYNARD FALB	ROUTE 1	COLUMBIANA	44408	OH
31-15-0140	R.B. WOOLMAN		BELOIT	44609	OH
31-15-0167	LEE HAYNAM	ROUTE 1	E ROCHESTER	44625	OH
31-15-0390	CHARLES F. HARRIS	ROUTE 3	SALEM	44460	OH
31-15-0455	CARL HERRON AND SONS	ROUTE 3	SALEM	44460	OH
31-15-0520	N. D. KARLEN	ROUTE 1	SALEM	44460	OH
31-15-0569	LEONARD LOWMILLER		MINERVA	44657	OH
31-15-0576	MARION & OLAN SANOR	ROUTE 1	E ROCHESTER	44625	OH
31-15-9008	GLENN UNKEFER	ROUTE 2	COLUMBIANA	44408	OH
31-15-9071	WILLIAM T. MCKARNS	ROUTE 1	KENSINGTON	44427	OH
31-15-9086	LOWELL W. BAKER	ROUTE 1, BOX 115	SALEM	44460	OH
31-15-9101	HOWARD MOFF	ROUTE 3,BOX 265	CANFIELD	44406	OH
31-15-9504	WALTER JOHNSON	ROUTE 1	HOMEWORTH	44634	OH
31-15-9673	W R RUPERT & SONS	45353 COLUMBIA	NEW WATERFORD,	44445	OH
31-15-9710	CAROLDALE FARMS	BOX 217	DAMASCUS	44619	OH
31-15-9832	WADE N WEHR RT.1	12300 NEW BUFFALO	NORTH LIMA	44452	OH
31-15-9874	PAUL D. WITMER	ROUTE 1	COLUMBIANA	44408	OH
31-16-0062	PATRICK H. GARRETT	ROUTE 2	GUERNSEY	43741	OH
31-16-0200	HOWARD HOSTETLER	ROUTE 2	NEWCOMERSTOWN	43832	OH
31-16-9125	ALFRED & C. DUNCAN	ROUTE 1	WARSAW	43844	OH
31-17-0005	HAROLD EPPLEY	ROUTE 1	BUCYRUS	44820	OH
31-17-0013	BRUCE E MUTCHLER	BOX B	OCEOLA	44860	OH
31-17-0030	ROBERT D. LYONS	ROUTE 3	SYCAMORE	44882	OH
31-17-0500	RICHARD BECK	ROUTE 3	GALION	44833	OH
31-17-0700	JOHN SPRENG	ROUTE 2	BUCYRUS	44820	OH
31-17-0750	PAUL R WAGNER	ROUTE 2	BUCYRUS	44820	OH

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	. . . . ADDRESS OF OWNER . . . . STREET OR ROUTE	TOWN	ZIP-CODE	STATE
31-17-9008	WARREN GUINTHER	ROUTE 1	NEVADA	44849	OH
31-17-9200	ROBERT HARRER	ROUTE 1	NEW WASHINGTN	44854	OH
31-19-0002	LLOYD HARPEST	ROUTE 5	GREENVILLE	45331	OH
31-19-0039	THOMAS SNYDER & SONS	ROUTE 1	ARCANUM	45304	OH
31-19-0060	RICHARD WEISS	ROUTE 3	UNION CITY	47390	OH
31-19-0066	ARTHUR BRUENING & FAM	ROUTE 1	YORKSHIRE	45388	OH
31-19-0069	ROBERT F. HART & FAM.	ROUTE 4	GREENVILLE	45331	OH
31-19-0072	L.S.&DAVID KRUCKEBERG	ROUTE 5	GREENVILLE	45331	OH
31-19-0073	EDWARD BULCHER	ROUTE 1, BOX 6	ROSSBURG	45362	OH
31-19-0074	ROGER POWELL & FAMILY	ROUTE 5, BOX 237	UNION CITY	47309	OH
31-19-0075	RICHARD D. MILLER	ROUTE 1 BOX 109	HOLLANSBURG	45332	OH
31-19-0076	WILLIAM D. HOUSE	ROUTE 1	NEW MADISON	45346	OH
31-19-0080	GARRY C. LENKER	ROUTE 1	ROSSBURG	45362	OH
31-19-0442	FLOYD E. LIVINGSTON	ROUTE 5 BOX 76	UNION CITY	47390	OH
31-19-0595	JOHN D. MUNN, JR.	ROUTE 1	ARCANUM	45304	OH
31-19-9029	ELMER A LONGENECKER	ROUTE 1	LAURA	45337	OH
31-19-9078	ANKA JERSEY FARM	ROUTE 1	NEW MADISON	45346	OH
31-19-9597	HAROLD H. PETRY	ROUTE 1	NEW MADISON	45346	OH
31-19-9816	HERMAN STOCKSDALE	ROUTE 1	UNION CITY	47390	OH
31-20-0350	WALDO IMBROCK	ROUTE 2	DEFIANCE	43512	OH
31-20-9026	R. BOCKELMAN & SONS	ROUTE 2	NAPOLEON	43545	OH
31-21-0029	THOMAS HALL	ROUTE 1	POWELL	43065	OH
31-21-0036	R A FICHTELMAN	15842 MERIDITH RD	SUNBURY	43074	OH
31-21-0064	JOE CONKLIN	ROUTE 2	OSTRANDER	43061	OH
31-21-9024	JAMES FLEMING & SONS	ROUTE 1	LEONARDSBURG	43034	OH
31-22-0006	ROBERT E. SCHAEFFER	ROUTE 2	SANDUSKY	44870	OH
31-22-9002	WALTER E. ROWLAND	ROUTE 1	BELLEVUE	44811	OH
31-22-9004	H. T. KUNS AND SONS	ROUTE 1	CASTALIA	44824	OH
31-22-9028	W. JAMES KNAPP	ROUTE 1	CASTALIA	44824	OH
31-23-0009	CARL BEERY	ROUTE 1	LANCASTER	43130	OH
31-23-0031	DARL & CARL WHIMS	ROUTE 1	PICKERINGTON	43147	OH
31-23-0086	CARL BADER	ROUTE 2	BALTIMORE	43105	OH
31-23-0091	LESTER AND EARL	WILDERMUTH,RT.1	CANAL WNCHSTR	43110	OH
31-23-0352	ETY BROTHERS	765 ETY RD WW RT 3	LANCASTER,	43130	OH
31-23-9003	PAUL F RIEGEL	ROUTE 1	AMANDA	43102	OH
31-23-9081	CARPENTER BROTHERS	5745 BURCHEY RT.2	BALTIMORE	43105	OH
31-23-9095	NEAL F SCHIRM	GENDER RD	CANAL WNCHSTR	43110	OH
31-23-9160	W H DILEY & SONS		CANAL WNCHSTR	43110	OH
31-24-0006	ROBERT PERO	ROUTE 2	WASHINGTON CH	43160	OH
31-24-0016	WM.E.MCFADDEN AND SON	ROUTE 1	GREENFIELD	45123	OH
31-26-0006	LOWELL BREHM	ROUTE 1 BOX 67	SWANTON	43558	OH
31-26-0085	GERALD SNYDER	ROUTE 2, BOX 201	DELTA	43515	OH
31-26-0400	B. NAGEL & C. JONES	R.R. 2	WAUSEON	43567	OH
31-26-0350	WEBER & LAMB	ROUTE 5 BOX 222	WAUSEON	43567	OH
31-26-9007	WAVE TEDROW AND SONS	ROUTE 2, BOX 309	DELTA	43515	OH
31-26-9075	K.KING & H.SCHMUCKER	ROUTE 5 BOX 207	WAUSEON	43567	OH
31-26-9390	IVAN D. NAFZIGER	ROUTE 2, BOX 74	ARCHBOLD	43502	OH
31-28-0002	FRANK ADAMS & SON		HUNTSBURG	44046	OH
31-28-0012	CHARLES KORITANSKY		CHARDON	44024	OH
31-28-0026	LLOYD E OBER 2	OBERLAND FARM	NEWBURY	44065	OH
31-28-0030	VERNON HOWARD	9574 BAINBRIDGE RD	CHAGRIN FALLS	44022	OH
31-28-0047	ROBERT THOMAS	12485 BUTTRNUT RD	CHARDON	44024	OH
31-28-0048	THE FRANKS FARM	10795 FRANKS RD	CHAGRIN FALLS	44022	OH
31-28-0060	JERRY MITCHELL	17248 MUNN ROAD	CHAGRIN FALLS	44022	OH
31-28-0075	CAVANAGH FARMS	ROUTE 1	BURTON	44021	OH
31-28-0301	DR H B THOMAS	BUTTERNUT ROAD	CHARDON	44024	OH
31-29-0270	HILLTOP FARMS INC.	ROUTE 3	XENIA	45385	OH
31-29-0560	GENE & LOURIS STRALEY	ROUTE 2	CEDARVILLE	45314	OH
31-29-9029	D.S. AND S.O. HOME		XENIA	45385	OH
31-29-9360	D.KYLE & MONROE PYLES	ROUTE 1	CEDARVILLE	45314	OH
31-30-0780	R. WAYNE MOORE	ROUTE 5	CAMBRIDGE	43725	OH
31-31-0007	EUGENE ROELL AND SON	ROUTE 4, BOX 80	HARRISON	45030	OH
31-31-0300	KNOLLMAN FARM INC.	7218 WILLEY RD.	HAMILTON	45013	OH
31-31-9001	JAMES K. HEIDRICH	5932 MUDDY CK.RD.	CINCINNATI	45238	OH
31-32-0016	LORENZ VON STEIN		RAWSON	45881	OH
31-32-9012	R W WISELEY	ROUTE 3	FINDLAY	45840	OH
31-32-9043	GOODSONS FARM	ROUTE 2	FOSTORIA	44830	OH
31-32-9590	CLARENCE & DAN SHOOP	ROUTE 2 BOX 145	MCCOMB	45858	OH
31-32-9780	EUGENE E. SPAHR	ROUTE 2	FINDLAY	45840	OH
31-33-0009	R.BARNES & B.JONES	ROUTE 4	KENTON	43326	OH
31-33-0038	PAUL SHICK AND	JAY E. PFEIFFER	KENTON	43326	OH
31-33-0770	TURNER AND MERRIMAN	ROUTE 4	KENTON	43326	OH
31-33-9019	ROBERT E. JUMP	ROUTE 1	ADA	45810	OH
31-33-9026	HAROLD LUSK	FOREST HILL FARM	MT VICTORY	43340	OH
31-33-9175	PAUL E. DIRKSON & SON	ROUTE 2	KENTON	43326	OH
31-34-0004	RALPH DUNLAP	ROUTE #4	CADIZ	43907	OH
31-34-0012	ARTHUR ARBAUGH & SONS	ROUTE 1	JEWETT	43986	OH
31-34-0023	LUCILE KAIL HENARY	ROUTE 1	JEWETT	43986	OH
31-34-0054	RICK MAR FARMS	ROUTE 2	TIPPECANOE	44699	OH
31-34-9024	HORACE STEWART	BOX 334	JEWETT	43986	OH
31-35-0018	LAWRENCE GERKEN	ROUTE 1	HOLGATE	43527	OH
31-35-0026	JOHN MILLER	ROUTE 3	DEFIANCE	43512	OH
31-35-0100	ROBERT CLADY	ROUTE 2	HOLGATE	43527	OH
31-35-9008	MILLAND FARMS INC.	ROUTE 1	NAPOLEON	43545	OH
31-35-9013	HOOF P.FM. MCCLURE O.	2521 MIDDLESEX DR	TOLEDO	43606	OH

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	. . . . ADDRESS OF OWNER . . . . STREET OR ROUTE	TOWN	ZIP-CODE	STATE
31-36-0024	LEE C. MILLER	ROUTE 1	MC CLURE	43534	OH
31-36-0029	DAVID W. CAPLINGER	ROUTE 1	HILLSBORO	45133	OH
31-36-0012	PROUDY AND WALKER	ROUTE 2,BOX 12A	HILLSBORO	45133	OH
31-36-0035	BRATTON BROTHERS	ROUTE 3	MOWRYSTOWN	45155	OH
31-36-0540	DONNIE MILBURN	ROUTE #5	HILLSBORO	45133	OH
31-36-9002	MAYNARD&LOWELL DICKEY	ROUTE 2	HILLSBORO	45133	OH
31-38-0017	DALE SCHLEGEL	ROUTE 1	SHREVE	44676	OH
31-38-0020	VERNON D. KLINE	ROUTE 2	SHREVE	44676	OH
31-38-0034	WARREN MASSIE	ROUTE 1	LAKEVILLE	44638	OH
31-38-0051	MOSE J. HOSTETLER	STAR ROUTE	MILLERSBURG	44654	OH
31-38-0076	RALPH E.WEAVER	ROUTE 1	MILLERSBURG	44654	OH
31-38-0079	ROBERT SCHLABACH	ROUTE 1	SUGARCREEK	44681	OH
31-38-0107	HUNSBERGER BROS.	ROUTE 2, BOX 118	SHREVE	44676	OH
31-38-0114	BLAKE AND PAUL BOYD	ROUTE 4	MILLERSBURG	44654	OH
31-38-0143	MOSES S. WENGERD	STAR ROUTE	MILLERSBURG	44654	OH
31-38-0280	WENDEL W. LANG	ROUTE 1	BIG PRAIRIE	44611	OH
31-38-0700	FLOYD WACHTELE FAMILY	ROUTE 1	BIG PRAIRIE	44611	OH
31-38-9001	DALE W. KAUFFMAN	ROUTE 2	SHREVE	44676	OH
31-38-9035	ROBT.L.STEVEN D.WATTS	ROUTE 1	KILLBUCK	44637	OH
31-38-9210	LOCUST HILL FARM	%R.FETTER RT.1	BIG PRAIRIE	44611	OH
31-39-0047	RALPH STONE	ROUTE 1	NEW LONDON	44851	OH
31-39-0057	GEORGE DALTON & SONS	ROUTE 1	WAKEMAN	44889	OH
31-39-0140	GEORGE R. CAWRSE	ROUTE 2	NEW LONDON	44851	OH
31-39-0280	DONALD DIVINS	ROUTE 2	WAKEMAN	44889	OH
31-39-0395	OALWOOD FARM	%WAYNE DALTON RT3	WAKEMAN	44889	OH
31-39-0350	PAUL WACKER & SONS	ROUTE 1	NEW LONDON	44851	OH
31-39-9020	ALLEN ALBRIGHT & FMLY	ROUTE 1	WILLARD	44890	OH
31-39-9040	CLAUDE A BAUER & SON	ROUTE 1	WILLARD	44890	OH
31-39-9052	ROGER SCHUG	ROUTE 2	MONROEVILLE	44847	OH
31-39-9120	PAUL & ED BEILER	ROUTE 1	BELLEVUE	44811	OH
31-39-9320	CHESTNUT RIDGE FARM	WILLIAM ERF,RT.1	BELLEVUE	44811	OH
31-39-9520	LAWRENCE JERSEYS	%W.L.LAWRENCE R.3	NORWALK	44857	OH
31-41-0007	AUGUST DENARDI	ROUTE 1 BOX 84	DILLONVALE	43917	OH
31-41-0700	SMITH & WEST	ROUTE 1	DILLIONVALE	43917	OH
31-42-0015	ROBERT WORKMAN	ROUTE 1	DANVILLE	43014	OH
31-42-0025	BRYANT & SPERRY	ROUTE 3	MT VERNON	43250	OH
31-42-0032	GORDON BRIGGS	ROUTE 1	GAMBIER	43022	OH
31-42-0041	J W LEVENGOOD & SONS	SALEM RD. RT. 3	FREDERICKTOWN	43019	OH
31-42-0043	D.D. DANIELS	ROUTE 2	HOWARD	43028	OH
31-42-0082	DALE SNELL	ROUTE 3	FREDERICKTOWN	43019	OH
31-42-0086	RUSSELL BURBICK	ROUTE 2	BUTLER	44822	OH
31-42-0108	CRYSTAL-VIEW,H.WILSON	20090 ANKNEYTOWN	FREDERICKTOWN	43019	OH
31-42-0117	ROBERT E BRENNSTAHL	ROUTE 2	DANVILLE	43014	OH
31-42-9005	JW HEALEA WARWICK FM	ROUTE 1	MT. VERNON	43050	OH
31-42-9031	MRS.M.C.BOUTON & SONS	ROUTE 2	MT. VERNON	43050	OH
31-42-9034	TRUMAN FISHER FAMILY	ROUTE 2	FREDERICKTOWN	43019	OH
31-42-9062	KIRKS HOLSTEIN FARM	ROUTE 2	MT. VERNON	43050	OH
31-42-9076	NOBLE HERITAGE FARMS	ROUTE 3	MT. VERNON	43050	OH
31-42-9105	AURORA HIGHLAND DAIRY	ROUTE 1	WALHONDING	43843	OH
31-42-9325	G S & E F COLOPY	ROUTE 2	DANVILLE,	43014	OH
31-42-9777	CHAS.C.PHILLIPS&SONS	ROUTE 2	MT. VERNON	43050	OH
31-44-0007	JOHN CARL PRATT,DVM	RANKINS CK. RT.1	SOUTH POINT	45680	OH
31-45-0004	SHIPLEY JERSEY FARM	ROUTE 3	NEWARK	43056	OH
31-45-0017	STUART N. BOVARD	ROUTE 1	UTICA	43080	OH
31-45-0023	H.H. BREYMAIER & SONS	ROUTE 2	GRANVILLE	43023	OH
31-45-0036	R.E. MCGRUDER AND SON	ROUTE 3	NEWARK	43056	OH
31-45-0045	LOY M. SMITH	SMITH MEADOWS FM	CROTON	43013	OH
31-45-0086	A.L. BLATTER	ROUTE 1	HEBRON	43025	OH
31-45-0096	A. N. KNICELY	ROUTE 1	ST LOUISVILLE	43071	OH
31-45-0513	BENNETT D. LEES &SONS	ROUTE 1	HEBRON	43025	OH
31-45-9035	Y-BROOK FARM	ROUTE 3	NEWARK	43055	OH
31-45-9072	SALLIE J. SEXTON	ROUTE 2	GRANVILLE	43023	OH
31-45-9563	RUSTLING BROOK FM.INC	LICKING CO.RD.41	REYNOLDSBURG	43068	OH
31-46-0005	GERALD MYERS	ROUTE 1	LEWISTOWN	43333	OH
31-46-0006	MAIER BROS.	ROUTE 1	HUNTSVILLE	43324	OH
31-46-0009	GLENN C CUTLAND	ROUTE1	HUNTSVILLE	43324	OH
31-46-0010	KAUFFMAN & MCKEON	ROUTE 1	ZANESFIELD	43360	OH
31-46-0042	J. R. RENICK AND SON	ROUTE 1	LEWISTOWN	43333	OH
31-46-0112	JOHN JACKSON AND SON	ROUTE 1	DE GRAFF	43318	OH
31-46-0143	KEN AND DAVE KAUFFMAN	ROUTE 2	W. LIBERTY	43357	OH
31-46-0153	WILLIAM THOMAS	ROUTE 3	BELLEFONTAINE	43311	OH
31-46-0155	DAVID ACKLEY	ROUTE 1	WEST LIBERTY	43357	OH
31-46-0483	DANIEL&JOE LEHMAN	ROUTE 1	WEST LIBERTY	43357	OH
31-46-0530	SCHLUMBOHM & HILLIKER	ROUTE 2	DEGRAFF	43318	OH
31-46-0810	PAUL WISH	ROUTE 4	BELLEFONTAINE	43311	OH
31-46-9079	L.A. DAVIDSON &SON	ROUTE 1	QUINCY	43343	OH
31-46-9130	ROBERT ACKLEY	ROUTE 1	EAST LIBERTY	43319	OH
31-47-0001	LAURENCE JACKSON&SON	ROUTE 2	WELLINGTON	44090	OH
31-47-0035	EARL PRENTISS	ROUTE 3	WELLINGTON	44090	OH
31-47-0036	RON ROY FARM	ROUTE 3 GRIGGS RD.	WELLINGTON	44090	OH
31-47-0048	FIRELANDS FARM	ROUTE 2	AMHERST	44001	OH
31-47-0064	PIPPERT BROTHERS	ROUTE 3	WAKEMAN	44889	OH
31-47-0075	JIM SHEFFIELD	ROUTE 2, BOX 49	WELLINGTON	44090	OH
31-47-0144	KENNETH C.BRILL	ROUTE 4	WELLINGTON	44090	OH
31-47-0252	JOHN DOVIN	ROUTE 1	OBERLIN	44074	OH

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	. . . . ADDRESS OF OWNER . . . . STREET OR ROUTE	TOWN	ZIP-CODE	STATE
31-47-0432	H&W DAIRY FARM	593 COOLEY ROAD	GRAFTON	44044	OH
31-47-0548	KAPKING & CRILE	ROUTE 3	WELLINGTON	44090	OH
31-47-0816	TRINTER BROTHERS	TRINTER ROAD	VERMILION	44 89	OH
31-47-9004	MR. & MRS. MIKE YARDSH	ROUTE 2	WELLINGTON	44090	OH
31-47-9059	LOUIS ABAHAZI	ROUTE 1, BOX 127	LAGRANGE	44050	OH
31-47-9071	GRAFTON STATE FARM		GRAFTON	44044	OH
31-47-9084	BEDEBE FARMS INC.	ROUTE 2	WELLINGTON	44090	OH
31-47-9150	ROBT. & CHAS. BRILL	ROUTE 1 BOX 76	WELLINGTON	44090	OH
31-47-9524	PICKWORTH BROS.	P.O.PICKWORTH R.2	WELLINGTON	44090	OH
31-47-9708	HARRY ROWLAND	ROUTE 3,BOX 182	WELLINGTON	44090	OH
31-47-9792	R.H.STREICHER	ROUTE 1	OBERLIN	44074	OH
31-49-0007	PORSCHET & NICOL	%L.PORSCHET RT.1	PLAIN CITY	43064	OH
31-49-0019	ARTHUR FISHER & SONS	ROUTE 1	LONDON	43140	OH
31-49-0043	CORKWELL & MC KAY	ROUTE 3	MT SLERTING	43143	OH
31-49-0055	WALTER PARKER	1901 JONES ROAD	HILLIARDS	43026	OH
31-49-0078	RUSSELL SHANNON	ROUTE 3	MT. STERLING	43143	OH
31-49-9018	R.D.SOMMERS AND FMLY.	ROUTE 3	LONDON	43140	OH
31-49-9033	LONDON PRISON FARM	% MR. TAYLOR	LONDON	43140	OH
31-49-9035	F.SCHEIDERER&SON	R2,B136 B.G.FM	PLAIN CITY	43064	OH
31-49-9063	OHIO STATE UNIVERSITY	625 STADIUM DRIVE	COLUMBUS	43210	OH
31-49-9066	L. AND J. FARMS INC.	3535 WALKER ROAD	HILLIARDS	43026	OH
31-49-9070	W.GANTZ,M.MARTINDALE	8955 L-GP RD R.2	GROVE CITY	43123	OH
31-49-9071	BENOMEAD FARM	2831 FRAZELL RD.	HILLIARDS	43026	OH
31-49-9720	DON POWER FARM	% LYNN YOCOM	GALLOWAY	43119	OH
31-51-0001	EDWARD MANTEY	2649 MAR-MT-GIL R	MARION	43302	OH
31-51-9026	MARION CORRECTIONAL	INST %HARRY EARL	MARION	43305	OH
31-52-0006	KNOWLDEN FARMS	ROUTE 2	SPENCER	44275	OH
31-52-0036	GILBERT WOLF	1636 CLMBIA RT 1	VALLEY CITY,	44280	OH
31-52-0056	JERRY NEWCOMER	8160 TOWER RD.	SEVILLE	44273	OH
31-52-0064	ROGER MORLOCK	ROUTE 1, BOX 205	VALLEY CITY	44280	OH
31-52-0083	WESTBK INC.% J.EBERLY	9590 DANIELS RD	SEVILLE	44273	OH
31-52-0089	GLAD-VALLEY FARM	WM. LINTER, RT 2	SEVILLE	44273	OH
31-52-0092	RICHMAN FARMS	ROUTE 1 BOX 194	LODI	44254	OH
31-52-0106	HIGH MAPLE FARM	ROUTE 3	WEST SALEM	44287	OH
31-52-0113	RICHARD HOTTLE	721 BANK STREET	LODI	44254	OH
31-52-0114	CHARLES E GEORGE	10019 WOOSTR PKER2	SEVILLE,	44273	OH
31-52-0115	CLETUS GARVER	10400 GARNER ROAD	SPENCER	44275	OH
31-52-0273	J.D. FENSTERMAKER	ROUTE 1	HOMERVILLE	44235	OH
31-52-0488	PAUL KRUGGEL & SONS	4720 AVON LAKE RD	LITCHFIELD	44253	OH
31-52-0524	FLOYD NEWCOMER	ROUTE 1 BOX 147	SEVILLE	44281	OH
31-52-9041	HOMER H HANGE	ROUTE 1	SPENCER	44275	OH
31-52-9078	LEONARD BEERY	3660 SEVILLE R.R1	SEVILLE	44273	OH
31-52-9095	DON CROCKER AND SONS	66 STATION RD.RT1	VALLEY CITY	44280	OH
31-52-9156	CREAM HILL FARMS	%C.LUCAS R.5BX142	MEDINA	44256	OH
31-52-9351	GRIESHEIMER BROS	2659 MARKS ROAD	VALLY CITY	44280	OH
31-52-9455	MT O PRODUCTS FARM DIV	6112 GRAFTON ROAD	VALLEY CITY	44280	OH
31-52-9550	H.B. OWEN & SON	% HAROLD OWEN	HOMERVILLE	44235	OH
31-53-0025	SUNNYSAGE FARMS	ROUTE 1	RACINE	45771	OH
31-53-9005	EDSON ROUSH	ROUTE 1	RACINE	45771	OH
31-54-0011	LUKE WILL	ROUTE 2	FORT RECOVERY	45846	OH
31-54-0106	AUGUST DUES JR	ROUTE 1	STHENRY	45883	OH
31-54-0260	NORBERT DUES	ROUTE 1	COLDWATER	45828	OH
31-54-0740	JOHN AND DON SMITH	BOX 137 ROUTE 3	CELINA	45822	OH
31-54-9002	OTHMAR FULLENKAMP	ROUTE 1, BOX 192	MARIA STEIN	45860	OH
31-54-9012	ROBERT E HIGH	ROUTE 1,BOX 102	MENDON	45862	OH
31-54-9016	ORVILLE & L. CROUCH	ROUTE 1, BOX21	MENDON	45862	OH
31-54-9030	DR. CHARLES P. ADKINS	CLEARVIEW FM.RT.1	ST. HENRY	45883	OH
31-54-9033	MEREDITH PIPER	BOX 265 ROUTE 4	CELINA	45822	OH
31-54-9052	JESSE STOCKDALE	ROUTE 5 , BOX 178	UNION CITY	47390	OH
31-54-9270	CARL FORTKAMP	ROUTE 1, BOX 293	COLDWATER	45828	OH
31-54-9750	ST. MARYS NOVITIATE	CARTHGENA STATION	CELINA	45822	OH
31-55-0005	MELVIN FISHER	5200 W.ST.RT.41	COVINGTON	45318	OH
31-55-0045	CHARLES KINGREY	4673 E WALNUT GRD	TROY	45373	OH
31-55-0050	BRUCE IDDINGS	2225 N. RENCH RD.	LUDLOW FALLS	45339	OH
31-55-0053	EDWIN YINGST & SONS	2715 N.ST.RT.48	COVINGTON	45318	OH
31-55-0285	GALEN HOOVER	8385 N.ST.RT. 721	BRADFORD	45308	OH
31-55-9390	JOHN J.&HUGH E.KNOOP	8877 N.NEWHOPE RD	FLETCHER	45326	OH
31-56-0015	CHESTER & GLEN FRALEY	ROUTE 1	BEALLVILLE	43716	OH
31-56-0023	CARL BIGLER	ROUTE 1	POWHATAN	43942	OH
31-56-0420	GLEN FEISLEY	ROUTE 1	CLARINGTON	43915	OH
31-56-9024	WINDEMERE FARM	ROUTE 2	JERUSALEM	43747	OH
31-57-0010	GRUSENMEYER BROTHERS	8625 BRANDT PK	DAYTON 24	45424	OH
31-57-0011	HAROLD EBY	ROUTE 2 BOX 53	GERMANTOWN	45327	OH
31-57-0014	DIRK HARMS	ROUTE 3	BROOKVILLE	45309	OH
31-57-0045	HAROLD LEIS	ROUTE 1	FARMERSVILLE	45325	OH
31-57-0046	D.W. & D... MICHAEL	ROUTE 1	FARMERSVILLE	45325	OH
31-57-0048	ROGER MILLIKIN	ROUTE 1, BOX 252	W ALEXANDRIA	45381	OH
31-57-0051	KENNETH R EBY	ROUTE 1	FARMERSVILLE	45325	OH
31-57-9019	D.K. COFFMAN & SON	ROUTE 1	FARMERSVILLE	45325	OH
31-58-0030	WILLIAM R CHIPPS	ROUTE 1	BEVERLY	45715	OH
31-59-0030	LOREN LINDER	ROUTE 1	EDISON	43320	OH
31-59-0031	BRUCE LEVERING	ROUTE 2	FREDERICKTOWN	43019	OH
31-59-0033	DERALD HOUK	ROUTE 1	MT GILEAD	43338	OH
31-59-0063	CLARENCE GRUBER	ROUTE 1	EDISON	43320	OH
31-59-9840	PLEIADES FARMS	ROUTE 3	MT GILEAD	43338	OH

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	. . . . A D D R E S S O F O W N E R . . . . . . STREET OR ROUTE	TOWN	ZIP CODE	STATE
31-60-0035	DALE VANDENBARK	ROUTE 1	ZANESVILLE	43701	OH
31-60-0043	SCENIC CREST FARM	3800 MYERS,RT.6	ZANESVILLE	43701	OH
31-62-9335	JOHN M. S.MILLER	BOX 15,ROUTE 1	MT.PERRY	43760	OH
31-65-0002	HERMAN HINES	ROUTE 4	CIRCLEVILLE	43113	OH
31-65-0027	PAUL KEMPTON	ROUTE 1	STOUTSVILLE	43154	OH
31-65-0044	WAYNE PARKER	ROUTE #2	CIRCLEVILLE	43113	OH
31-65-0049	ROBERT L HAMILTON	ROUTE 1	CLARKSBURG	43115	OH
31-65-0052	ROGER SCHNEIDER	ROUTE 5	CIRCLEVILLE	43113	OH
31-65-9022	ORIENT STATE HOSPITAL		ORIENT	43146	OH
31-65-9483	MR DONALD KEMPTON	ROUTE 2	WILLIAMSPORT	43164	OH
31-67-0012	ROGER WINCHELL	ROUTE 1 BOX 142	GARRETTSVILLE	44231	OH
31-67-0029	PAUL W. BERGEN	702 ST. RT. 44	HARTVILLE	44632	OH
31-67-0034	RAUL RHOADES JR.	118 HOWE RD.	KENT	44240	OH
31-67-0036	DONALD H. MCCARTHY	ROUTE 2, BOX 234	GARRETTSVILLE	44231	OH
31-67-0040	JOHNSTONS JERSEYS	9720-U.S. 224	DEERFIELD	44411	OH
31-67-0405	SRARBROOK FARM	ROUTE 1, BOX 247	GARRETTSVILLE	44231	OH
31-67-0823	GRAC - GLEN FARMS	7370 ST. RT. 44	RAVENNA	44266	OH
31-67-0855	W. C. TOMLINSON JR.	ROUTE 5	RAVENNA	44266	OH
31-67-9019	ANNZIBAR FARM	5930 VAIR ROAD	RAVENNA	44266	OH
31-67-9028	JOHN W. OLIVER	ROUTE 2, BOX 861	HARTVILLE	44632	OH
31-67-9031	KAUFMAN FARMS	8511 SEASONS ROAD	STREETSBORO	44240	OH
31-68-0013	W.H.MARTIN &E. VIA	5003 BROCKLANE	DAYTON	45415	OH
31-68-0021	EARL & ALBERT WITHROW	ROUTE 4	EATON	45320	OH
31-68-0038	PAUL PROESCHEL	ROUTE 1	CAMDEN	45311	OH
31-68-0059	ROBERT CAMRBELL	ROUTE 2	RICHMOND	47374	OH
31-68-0062	HERD L.BENNETT FAMILY	ROUTE 3	EATON	45320	OH
31-68-0074	THOMAS & ROBT YEAZEL	ROUTE 2 BOX 261	EATON	45320	OH
31-68-0375	DONALD GUCKIAN	ROUTE 4	EATON	45320	OH
31-68-0825	CLARENCE ULRICH	ROUTE 2	W ALEXANDRIA	45381	OH
31-68-0887	VIRGIL WITHROW	487 SEVEN MILE RD	EATON	45320	OH
31-68-9047	FRED ERHARDT JR.	R.1 2784 VANTRUMP	SOMERVILLE	45064	OH
31-69-0015	LOUIS KNUEVEN	ROUTE 4	LEIPSIC	45856	OH
31-69-0800	FLOYD C. GROFF	ROUTE 3	CONTINENTAL	45831	OH
31-70-0002	BILL BIERLY	ROUTE 1	SHELBY	44875	OH
31-70-0014	E.J.RINEHART	ROUTE 1	GALION	44833	OH
31-70-0036	OHIO STATE REFORMATRY	DAIRY OFFICE	MANSFIELD	44901	OH
31-70-9013	RALRH TURLEY MGR.	1030 MARION ROAD	MANSFIELD	44906	OH
31-70-9015	JOHN SIMMONS	ROUTE 2	BELLVILLE	44813	OH
31-71-0024	DAVID CLIMER	ROUTE 1	CLARKSBURG	43115	OH
31-72-0014	WILEMA FARMS	2027 E STATE STREE	FREMONT	43420	OH
31-72-0015	R WIDMAN	RT 1	FREMONT,	43420	OH
31-72-0018	FAIRVIEW FRM.A.NUHFER	770 E.MAIN ST.RT1	WOODVILLE	43469	OH
31-72-0100	EVANLEE DEININGER	ROUTE 2	GIBSONBURG	43431	OH
31-72-9017	HARVEY KING & FAMILY	3119CR174 ROUTE 5	FREMONT	43420	OH
31-72-9019	LOUIS F SMITH	RT 2	FREMONT,	43420	OH
31-72-9027	ETHEL T. HAVENS	ROUTE 1,C.R.41	HELENA	43435	OH
31-72-9037	NORMAN F. RHILLIPS	ROUTE 1	RISINGSUN	43457	OH
31-72-9043	H. S. OVERMYER & SONS	ROUTE 1	LINDSEY	43442	OH
31-74-0042	N.LINDSAY & H.ZIEGLER	FIRESIDE FMS RT.1	GREEN SPRINGS	44836	OH
31-74-0050	ARTHUR HANSEN & SONS	ROUTE 2	BELLEVUE	44811	OH
31-74-0059	TIFFIN STATE HOSRITAL	BOX 6	TIFFIN	44883	OH
31-74-0064	FLEET & C. DILLON	ROUTE 2	BELLEVUE	44811	OH
31-74-0074	GERALD RUTH HOEPF & SO	ROUTE 4 BOX 356	TIFFIN	44883	OH
31-74-0315	MERLE HUNKER	ROUTE 5	TIFFIN	44883	OH
31-74-9028	FIRESIDE FARMS	ROUTE 2 BOX 64	CLYDE	43410	OH
31-74-9045	FLAT ROCK CHILDNS HME		FLAT ROCK	44828	OH
31-74-9805	WEIKLAND FARMS	WEIKER BROS.RT.2	REPUBLIC	44867	OH
31-75-0015	MAURICE BELL	ROUTE 5	SIDNEY	45365	OH
31-75-0017	VICTOR SCHMERGE	ROUTE 1	BOTKINS	45306	OH
31-75-0059	RALPH MAURER	ROUTE 1	BOTKINS	45306	OH
31-75-0210	FRANK CUMMINGS	ROUTE 5	SIDNEY	45365	OH
31-75-0335	TRIO FARMS, INC.	ROUTE 1	BOTKINS	45306	OH
31-75-0472	EDWARD KOHLER	ROUTE 1	BOTKINS	45306	OH
31-75-0490	EUGENE KREBS	ROUTE 1	BOTKINS	45306	OH
31-75-0550	EDWARD MAURER	ROUTE 1	KETTLERSVILLE	45336	OH
31-75-9040	RICHARD PETERS	ROUTE 3	SIDNEY	45365	OH
31-75-9156	DORLOY-HOLSTEIN FM KI	L.W.EPPERLY &SONS	FT. LORAMIE	45845	OH
31-75-9230	NORBERT C DELOYE	ROUTE 1	FT LORAMIE	45845	OH
31-75-9565	GERDONNE FARMS.	ROUTE 5	SIDNEY	45365	OH
31-75-9700	NORBERT PLIEMAN	ROUTE 1	FORT LORAMIE	45845	OH
31-76-0047	KENWOOD BLIM	ROUTE 2	LOUISVILLE	44641	OH
31-76-0058	GLASALEE FARM	6799 N.PLATE N.E.	LOUISVILLE	44641	OH
31-76-0079	LEON D. KING	1820LAKE CTR ST	UNIONTOWN	44685	OH
31-76-0089	MASSILLON STATE HOSP.	3MCKENZIE BOX 54	MASSILLON	44646	OH
31-76-0099	MALVERN ODNAT	ROUTE 2	NAVARRE	44662	OH
[illegible]	ROY H. WATSON	ROUTE 1	HOMEWORTH	[illegible]	OH
[illegible]	PAUL STOCKERT	15274 WARWICK DR.	CANAL FULTON	[illegible]	OH
31-76-0113	CYRILLAS SMITH	1723 SCHNEIDERN.E	NORTH CANTON	[illegible]	OH
31-76-0117	KENNETH RENNER	RT. 2	DALTON,	44618	OH
31-76-0113	RALPH E.LAUTZENHEISER	3567 PARKS AVE SW	LOUISVILLE	44641	OH
31-76-0131	PAUL RAMSEY	7632 COLUMBUS DR.	LOUISVILLE	44641	OH
31-76-0375	MAREVA FARM INC	8101 STATE STREET	LOUISVILLE	44641	OH
31-76-0700	WM. RUEGG	2955 MANCHSTR NW	N LAWRENCE	44666	OH
31-76-4004	ELGENDALE FM.G.DAWSON	7070 NICKELPLATE	LOUISVILLE	44641	OH
31-76-4005	R. FLOYD PARRISH	7136 OAKHILL AVE	MAXIMO	44650	OH

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP-CODE	STATE
31-76-9015	NICHOLAS EVANWICH	RT 3	MINERVA,	44657	OH
31-76-9084	F.H. ANDREAS		BEACH CITY	44608	OH
31-76-9090	DEAN GOODMAN	7633 HUDSON DR.SW	NAVARRE	44662	OH
31-76-9095	RUSSELL P. KAHLER	10083 KENT AVE NE	HARTVILLE	44632	OH
31-76-9119	DONALD E. HOWMAN	14376 SOUSA ST.NW	N. LAWRENCE	44666	OH
31-76-9150	CAMPBELL BROS.	3821 UNION N. E.	HOMEWORTH	44634	OH
31-76-9425	APPLE ACRES FARM	2504 BRUMBAUGH ST	NORTH CANTON	44720	OH
31-76-9550	MARTIG FARMS	7200 RAVENNA AVE	LOUISVILLE	44641	OH
31-78-0016	ALVIN KLINGENSMITH	ROUTE 1	LEAVITTSBURG	44430	OH
31-78-0037	E.L.KOHLMORGAN	ROUTE 1,BOX 42	FARMDALE	44417	OH
31-78-0066	ROBERT MINES	ROUTE 4	CORTLAND	44410	OH
31-78-0105	ROBERT E. BRUGLER		BURGHILL	44404	OH
31-78-0480	GEORGE LOGAN AND SONS		FARM DALE	44417	OH
31-78-0512	HILWOOD FARM	ROUTE 2	KINSMAN	44428	OH
31-78-0732	FLOYD SUMMERS		FARMDALE	44417	OH
31-78-0744	VAUGHN SUNBURY		FARMDALE	44417	OH
31-78-0780	J.C. VINEY AND SON		N. BLOOMFIELD	44450	OH
31-78-9068	A. L. LIMING	ROUTE 1	MINERAL RIDGE	44440	OH
31-78-9336	GELBKE BROS	4695 KING-GRAVE RD	VIENNA	44473	OH
31-79-0002	L. A. MARBURGER	ROUTE 2	UHRICHSVILLE	44683	OH
31-79-0022	ROBERT R. CLARKE	ROUTE 1	UHRICHSVILLE	44683	OH
31-79-0026	HENRY ZAHNER & SONS		SHANESVILLE	44674	OH
31-79-0057	DUTCH VALLEY FARM	ROUTE 1	SUGARCREEK	44681	OH
31-79-0073	CHARLES ANDERSON	UNIT 3 ROUTE 3	NEW PHILA	44663	OH
31-79-0081	ROMAN A YODER	ROUTE 1 BOX 165	SUGARCREEK	44681	OH
31-79-0455	SIMON P. MUMMA JR.	ROUTE 2	DOVER	44622	OH
31-79-0875	SHARON VALLEY HOLSTNS	%J.J.YOUNG, RT.1	SUGARCREEK	44681	OH
31-79-9718	WAYNE E SPECHT	ROUTE 2	DOVER	44622	OH
31-80-0022	SCHEIDERER AND RAUSCH	ROUTE 1	PLAIN CITY	43064	OH
31-80-0023	M.G.BURNS&FAMILY	ROUTE 1	MILFORD CTR	43045	OH
31-80-0035	TOM SWEENY, JR	ROUTE 2	MARYSVILLE	43040	OH
31-80-0054	LEROY NICOL	ROUTE 5	MARYSVILLE	43040	OH
31-80-0056	RICHARD H RAUSCH	ROUTE 2	MARYSVILLE	43040	OH
31-80-0082	JOHN BELL	ROUTE 2 BOX 20	RICHWOOD	43344	OH
31-80-0083	WILLIAM CONKLEN	ROUTE 2	MARYSVILLE	43040	OH
31-80-9025	DWIGHT LOW & FAMILY	ROUTE 2	MARYSVILLE	43040	OH
31-80-9049	FAY L. BOUIC	ROUTE 2	OSTRANDER	43061	OH
31-80-9053	E.C. RAUSCH AND SONS	ROUTE 1	PLAIN CITY	43064	OH
31-80-9069	RONALD CUNNINGHAM	ROUTE 1	MARYSVILLE	43040	OH
31-80-9440	ARTHUR LOSCHKY	ROUTE 1	MILFORD CTR	43045	OH
31-81-0015	JAMES ROLSTEN	ROUTE 2	CONVOY	45832	OH
31-81-0023	M. SPRINGER FAMILY	ROUTE 4	VANWERT	45891	OH
31-81-0595	ARTHUR ROLSTEN	ROUTE 4	VAN WERT	45891	OH
31-81-9007	PAUL BELDON	ROUTE 4	VAN WERT	45891	OH
31-81-9010	RIVARRE FARM	ROUTE 2	ROCKFORD	45882	OH
31-81-9030	HOMER KRANER	ROUTE 1	OHIO CITY	45874	OH
31-81-9910	WILLIAM WELDY	ROUTE 1	MIDDLE POINT	45863	OH
31-83-0003	W A SWARTZEL	ROUTE 3	WAYNESVILLE	45068	OH
31-83-9026	SAN MAR GALE FARMS	P.O.BOX 265	LEBANON	45036	OH
31-83-9029	LEBANON CORR. INST.	%RALPH KELLER	LEBANON	45036	OH
31-83-9033	ROY HESER	8748 CIN.-COL. RD	WEST CHESTER	45069	OH
31-85-0013	MILES CRUMLEY	ROUTE 2	WEST SALEM	44287	OH
31-85-0035	HAROLD THUT	ROAD 1	ORRVILLE	44667	OH
31-85-0077	MARVIN E. HOSTETLER	ROUTE 2	ORRVILLE	44667	OH
31-85-0081	ELMER GOOD	ROUTE 2	ORRVILLE	44667	OH
31-85-0096	WILLIS EBERLY	ROUTE 2	ORRVILLE	44667	OH
31-85-0098	W. L WYCKOFF	ROUTE 1	BURBANK	44214	OH
31-85-0108	STARVIEW DAIRY FARM	ROUTE 2	WEST SALEM	44287	OH
31-85-0111	LEE LAR FARM	ROUTE 1	BURBANK	44214	OH
31-85-0127	HENRY DOTTERER	ROUTE 1	RITTMAN	44270	OH
31-85-0129	VERNICE N. BIKLER	ROUTE 1	ORRVILLE	44667	OH
31-85-0150	HOMER GRESSER & SON	ROUTE 2	WOOSTER	44691	OH
31-85-0157	HOMER J. MARTIN	ROUTE 2	ORRVILLE	44667	OH
31-85-0159	GERALD STOLL	ROUTE 1	ORRVILLE	44667	OH
31-85-0162	WILLIAM MOORE	ROUTE 1	WOOSTER	44691	OH
31-85-0163	RUSSELL HASSEMAN	ROUTE 1	DALTON	44618	OH
31-85-0173	GWIN FARMS	ROUTE 2	SHREVE	44676	OH
31-85-0176	CHESTER STEINER		KIDRON	44636	OH
31-85-0179	MERLE & ROBERT GRAY	ROUTE 1	BURBANK	44214	OH
31-85-0180	EARL AYLSWORTH	ROUTE 1	SHREVE	44676	OH
31-85-0182	GEORGE A. IRVIN	ROUTE 2	WOOSTER	44691	OH
31-85-0185	PALMER BROTHERS	ROUTE 1	WEST SALEM	44287	OH
31-85-0192	CYRIL MOORE	ROUTE 4	WOOSTER	44691	OH
31-85-0195	JAMES MARTY	ROUTE 1	RITTMAN	44270	OH
31-85-0198	RONALD WINKLER	ROUTE 1 BOX 16	STERLING	44276	OH
31-85-0200	EVERETT BEERY	ROUTE 1	RITTMAN	44270	OH
31-85-0203	E. D. MOORE AND SON	ROUTE 1	BURBANK	44214	OH
31-85-0206	MORLOCK FARMS	RT 3	W SALEM,	44287	OH
31-85-0208	CALEB GERBER	ROUTE 1	DALTON	44618	OH
31-85-0210	CHARLES WOOD	ROUTE 5	WOOSTER	44691	OH
31-85-0228	RICHARD E WOLF	ROUTE 1	CRESTON	44217	OH
31-85-0231	ART CROCKER	ROUTE 4	WOOSTER	44691	OH
31-85-0241	RALPH A GILL & SONS	ROUTE 1	CRESTON	44217	OH
31-85-0374	RUSSEL JOHNSON	ROUTE 2	DALTON	44618	OH
31-85-0561	ALVIN STEINER	ROUTE 1	RITTMAN	44270	OH

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	. . . . A D D R E S S STREET OR ROUTE	O F TOWN	O W N E R . . . . ZIP-CODE	STATE
31-85-0782	PALMER L. STEINER	ROUTE 1	APPLE CREEK	44606	OH
31-85-0804	GEORGE SCHWARZWALDER	ROUTE 1	SHREVE	44676	OH
31-85-0815	H. BEUN & S. WELTY	ROUTE 1	APPLE CREEK	44606	OH
31-85-0895	ALPHA MAILBACH	ROUTE 1	STERLING	44276	OH
31-85-9063	L.E.HARRISON&SON	ROUTE 1	WOOSTER	44694	OH
31-85-9067	MYKRANTZ BROTHERS	4020 W.LINCOLN WY	WOOSTER	44691	OH
31-85-9090	W.L.OGDEN&SONS	ROUTE 1	WEST SALEM	44287	OH
31-85-9102	HAROLD B. BOWMAN	REFLECTO FM.RT.1	CRESTON	44217	OH
31-85-9103	RICHARD BAUMAN	ROUTE 1	STERLING	44276	OH
31-85-9107	VERNON M. MILLER	ROUTE 2	APPLE CREEK	44606	OH
31-85-9118	JAMES GRESSER	ROUTE 1	STERLING	44276	OH
31-85-9121	WAYNE AND ROGER KOCH	ROUTE 2	WEST SALEM	44287	OH
31-85-9141	FRANCHESTER FARMS	ROUTE 2	WEST SALEM	44287	OH
31-85-9142	ROBERT N. STEINER	RT. 1, BOX 193	MARSHALLVILLE	44645	OH
31-85-9143	HOMER BILLMAN & SONS	ROUTE 2	WEST SALEM	44287	OH
31-85-9145	BRYN-GALA-HOLSTEIN-ACR	ROUTE 1	BURBANK	44214	OH
31-85-9146	MYRON STRYFFELER	ROUTE 5 BOX 192	WOOSTER	44691	OH
31-85-9148	LARRY F.REBER	ROUTE 1	APPLE CREEK	44606	OH
31-85-9151	RUSSELL GORTNER & SON	ROUTE 5	WOOSTER	44691	OH
31-85-9175	ABRAHAM MILLER	ROUTE 1 BOX 734	CRESTON	44217	OH
31-85-9187	EMERSON & BURKHOLDER	ROUTE 1	APPLECREEK	44606	OH
31-85-9238	L D GILMORE	ROUTE 5	WOOSTER	44691	OH
31-85-9272	JOSEPH HARTZLER	ROUTE 5	WOOSTER	44691	OH
31-85-9391	J. K. & R.J.KOHLER	ROUTE 2	ORRVILLE	44667	OH
31-85-9459	ARTHUR MAIBACH	ROUTE 1	CRESTON	44217	OH
31-85-9512	PAUL RESSLER	ROUTE 1	DALTON	44618	OH
31-85-9529	R.L.RING AND SON	ROUTE 5	WOOSTER	44691	OH
31-85-9890	R.H. & MARLENE WISE	ROUTE 2	WOOSTER	44691	OH
31-86-0014	WAYNE REDIGER	ROUTE 2	PIONEER	43554	OH
31-86-0030	ROBERT ANDRES	ROUTE 1	BRYAN	43506	OH
31-86-0063	CARL CREEK, JR.		MONTPELIER	43543	OH
31-86-0400	KOERNER FARMS	ROUTE 2	EDGERTON	43517	OH
31-86-0700	OWEN SCHROEDER		EDGERTON	43517	OH
31-86-9013	RONALD FARNHAM	ROUTE 1	EDGERTON	43517	OH
31-86-9021	J.M.TRESSLER	ROUTE 2	BRYAN	43506	OH
31-86-9038	DALE RIGG AND SON	ROUTE 2	WEST UNITY	43570	OH
31-86-9051	OBERLIN BROS	ROUTE 2	BRYAN	43506	OH
31-86-9052	HAROLD RALPH RIGG	ROUTE 3	BRYAN	43506	OH
31-86-9071	ROBERT C.WINZELER JR.	129 WABASH AVE.	MONTPELIER	43543	OH
31-87-0004	ROBERT MORLOCK	ROUTE 1	PEMBERVILLE	43450	OH
31-87-0029	WAYNE CREPS	RURAL ROUTE	WESTON	43569	OH
31-87-0030	RALPH HENSCHEN	ROUTE 2	BOWLING GREEN	43402	OH
31-87-0910	R.K.STROW & SON	ROUTE 1	CUSTAR	43511	OH
31-88-0012	JOE DERR	ROUTE 2	CAREY	43316	OH
31-88-0013	W W ADELSPERGER&SONS	ROUTE 2	CAREY	43316	OH
31-88-0530	ARTHUR MAWER	ROUTE 1	HARPSTER	43323	OH
32-01-0002	AMSTUTZ BROS.	%C.E.AMSTUTZ RT.2	BERNE	46711	IN
32-01-0043	RAYMOND BECHER JR	ROUTE 2	DECATUR	46733	IN
32-01-0046	KENNETH & DEAN BEER		BERNE	46711	IN
32-01-0047	LEHNFORD BOHNKE	ROUTE 3	DECATUR	46733	IN
32-01-0048	NORMAN BECHER	ROUTE 1	BERNE	46711	IN
32-01-0100	EUGENE CAFFEE	ROUTE 2	GENEVA	46740	IN
32-01-0321	MARTIN HABEGGER & SON	ROUTE 1	MONROE	46772	IN
32-01-0760	ELI SCHWARTZ & SONS	ROUTE 1	BERNE	46711	IN
32-01-0761	L R & RICHARD SCHWARTZ	ROUTE 1	BERNE	46711	IN
32-01-9050	DENNIS L.BOLLENBACHER	ROUTE 2	GENEVA	46740	IN
32-01-9101	DALE CAFFEE	ROUTE 3	DECATUR	46733	IN
32-01-9280	BEN & ARNOLD GERKE	ROUTE 3	DECATUR	46733	IN
32-01-9485	ROLANDES LIECHTY	ROUTE 2	BERNE	46711	IN
32-01-9764	IVAN STEURY	ROUTE 1	BERNE	46711	IN
32-01-9901	HARRY WULLIMAN & SON	ROUTE 1	BERNE	46711	IN
32-02-0047	STEVEN M BLESSING		FORT WAYNE	46808	IN
32-02-0283	DONALD GRAFT & FAMILY	9308 LEESBURG RD	FT WAYNE	46808	IN
32-02-0410	EARL JOHNSON	RT 5	FORT WAYNE	46808	IN
32-02-0482	ALVIN LINNEMEIER	10109 BETHEL RD	FT WAYNE	46808	IN
32-02-0484	ELMER LINNEMEIER	ROUTE 5	FT. WAYNE	46808	IN
32-02-0766	ARNOLD SCHEUMANN	ROUTE 1	HOAGLAND	46745	IN
32-02-0901	RUDOLPH WIETFELDT	ROUTE 1	HOAGLAND	46745	IN
32-02-9710	DALE M REDDING	12308 REDDING DR	FT WAYNE	46802	IN
32-02-9711	MELVIN REKEWEG	ROUTE 2	WOODBURN	46797	IN
32-03-0040	JOE BRAND & SON	ROUTE 2	COLUMBUS	47201	IN
32-03-0241	ALBERT & MARVIN FINKE	ROUTE 1	COLUMBUS	47201	IN
32-03-0320	EVANS HOELTKE	ROUTE 2	COLUMBUS	47201	IN
32-04-0760	SMITH PAUL & RICH	ROUTE 1	EARL PARK	47942	IN
32-05-0551	BILL POWELL	ROUTE 1	PENNVILLE	47369	IN
32-06-0046	RAY BOTTEMA & FAMILY	ROUTE 1	ZIONSVILLE	46077	IN
32-06-0322	SAM S. HERSHMAN &SONS	ROUTE 1	KIRKLIN	46050	IN
32-06-0763	CORNER GROVE FRMS INC	ROUTE 5	LEBANON	46052	IN
32-06-0903	ROBERT N WILEY	ROUTE 5	LEBANON	46052	IN
32-06-9762	ARTMAN & ARTMAN	ROUTE 3	SHERIDAN	46069	IN
32-09-0101	JOHN D. COBLE	ROUTE 1	DELPHI	46923	IN
32-09-0162	RONALD DILLMAN	ROUTE 1	TWELVE MILE	46988	IN
32-09-0321	LARRY HUBENTHAL	ROUTE 1	LUCERNE	46950	IN
32-09-0417	W MAX JONES	ROUTE 1	ROYAL CENTER	46978	IN
32-09-0483	EVERETT &GROVER LAYER	ROUTE 2	ROYAL CENTER	46978	IN

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	ADDRESS OF OWNER: STREET OR ROUTE	TOWN	ZIP-CODE	STATE
32-09-0534	ED MCKAIG	ROUTE 1	LOGANSPORT	46947	IN
32-09-0539	JAMES MAYHILL	ROUTE 3	LOGANSPORT	46947	IN
32-09-0541	IVAN MEEKER	ROUTE 1	BURNETTSVILLE	47926	IN
32-09-0712	CARL RUDICEL & SONS	ROUTE 1	TWELVE MILE	46988	IN
32-09-0714	ROBERT RUDICEL	ROUTE 1	TWELVE MILE	46988	IN
32-09-0761	GLEN SNYDER	%G. SNYDER,RT.1	LOGANSPORT	46947	IN
32-09-0765	BEN SMITH	ROUTE 2	MACY	46951	IN
32-09-0901	LEONARD & R. WAGONER	ROUTE 5	LOGANSPORT	46947	IN
32-09-9042	HARRY & JAMES BRIDGE	ROUTE 2	ROYAL CENTER	46978	IN
32-10-9160	MR.MRS.J.S.DELLINGER	ROUTE 1	JEFFERSONVL	47130	IN
32-10-9210	H.A.ELLINGSWORTH	ROUTE 1 BOX 560	JEFFERSONVL	47130	IN
32-10-9551	DULEY PERRIN	RT.9 UTICA PIKE	JEFFERSONVL	47130	IN
32-10-9764	MELVIN F.SCOTT AND	TERRY G.SCOTT,RT1	CHARLESTOWN	47111	IN
32-11-0960	KENNETH YEGERLEHNER & FA	ROUTE 1	CLAY CITY	47841	IN
32-12-0044	SNYDER AND BARTON	ROUTE 1	MULBERRY	46058	IN
32-17-0042	RICHARD BRECHBILL	ROUTE 3	AUBURN	46706	IN
32-17-0320	JOHN HAYNES	ROUTE 3	AUBURN	46706	IN
32-17-0323	RICHARD,&JAMES HAYNES	ROUTE 1	GARRETT	46738	IN
32-17-9533	CHENANGO FARM	ROUTE 1	WATERLOO	46793	IN
32-18-0282	J A & G E GODWIN	RT 1	DALEVILLE	47334	IN
32-18-0410	JACKSON & HENSLEY	ROUTE 2	YORKTOWN	47396	IN
32-18-9281	JOHN GUTHRIE	ROUTE 5	MUNCIE	47302	IN
32-19-0590	LOST RIVER FARM CORP		ORLEANS	47542	IN
32-19-0764	FLAT LAND FARM	RT 1 BOX 141	JASPER	47546	IN
32-20-0047	LABAN HOCHSTETLER	ROUTE 1	MIDDLEBURY	46540	IN
32-20-0282	EZRA GINGERICH	ROUTE 1	MILLERSBURG	46543	IN
32-20-0334	DAVID G HOOVER	ROUTE 3	GOSHEN	46526	IN
32-20-0441	ARTHUR WEAVER		ELKHART	46514	IN
32-20-0550	GERALD MURRAY	ROUTE 1	SYRACUSE	46567	IN
32-20-0555	MAX L PAUL	R R 3 BOX 261	GOSHEN	46526	IN
32-20-0764	DANIEL J. SNIDER	ROUTE 1	NEW PARIS	46553	IN
32-20-0786	ROGER SHUDER	ROUTE 1	SYRACUSE	46567	IN
32-20-0821	VERNON S THOMAS		MIDDLEBURY	46540	IN
32-20-0915	CLIFFORD WENGER	ROUTE 3 BOX 365	ELKHART	46514	IN
32-20-0916	DALE E. WELDY	ROUTE 4, BOX 325	ELKHART	46514	IN
32-20-9114	RENE CODDENS	ROUTE 1	BRISTOL	46507	IN
32-20-9215	EBY BROS & J H COOK	ROUTE 3 BOX 340	ELKHART	46514	IN
32-20-9218	EVERETT J EBY & SONS	ROUTE 3 BOX 337	ELKHART	46514	IN
32-20-9240	DELBERT W CRIPE	ROUTE 4 BOX 323	ELKHART	46514	IN
32-20-9284	KENNETH GERMANN	ROUTE 2	BREMEN	46506	IN
32-20-9321	PAUL HOOVER	ROUTE 3,BOX 81	GOSHEN	46526	IN
32-20-9443	DR G W SNIDER & RONALD K		GOSHEN	46526	IN
32-20-9534	DALE MARTIN	ROUTE 1	WAKARUSA	46573	IN
32-20-9559	LEWIS & JOE MARTIN	R R 5 BOX 165	GOSHEN	46526	IN
32-20-9761	HERMAN SCHROCK	ROUTE 3, BOX 159	GOSHEN	46526	IN
32-20-9773	BEN M SHIRK	ROUTE 2 BOX 52	GOSHEN	46526	IN
32-20-9921	VIRGIL C WEAVER	R R 3 BOX 43	GOSHEN	46525	IN
32-20-9922	OSCAR R. WEAVER	ROUTE 3 BOX 171	GOSHEN	46526	IN
32-20-9924	O H & RICHARD D WENGER	R R 3 BOX 379	ELKHART	46514	IN
32-20-9926	DR M L WELDY-CLAYTON HAV	R R 5 BOX 214	GOSHEN	46526	IN
32-20-9927	RUSSELL J WENGER	ROUTE 3	GOSHEN	46525	IN
32-20-9961	HAROLD C. YODER	ROUTE 2	SYRACUSE	46567	IN
32-25-0105	IVAN & THELMA DAGUE	ROUTE 1	KEWANNA	46939	IN
32-25-0162	JOE DAGUE	ROUTE 2	KIWANNA	46939	IN
32-25-0327	LOWELL HOEHNE	ROUTE 1	ROCHESTER	46975	IN
32-25-0760	SEE & BEECHER	ROUTE 1	ROCHESTER	46975	IN
32-25-0901	H & K WARNER		ROCHESTER	46975	IN
32-25-9212	JANICE&RICHARD EARLY	ROUTE 5	ROCHESTER	46975	IN
32-25-9244	ROGER FIELDS & WALSH	ROUTE 3	KEWANNA	46939	IN
32-25-9325	DELBERT HUNTER	ROUTE 2	ROCHESTER	46975	IN
32-25-9482	MAURICE LIPPLY		SILVER LAKE	46982	IN
32-26-0900	CARL WEBER	ROUTE 2	FORT BRANCH	47533	IN
32-27-0111	CHARLES CRAIG & FAMILY	832 E & 600 S	JONESBORO	46938	IN
32-27-0322	WILLIS HOKE	7921 S & 275 E	JONESBORO	46938	IN
32-27-0481	HENRY LEFFLER P SONS	4020E & 500S	MARION	46952	IN
32-27-0534	SHERRIL MALOTT		JONESBORO	46938	IN
32-27-0545	MAX HAVEN FARM	6306 E 300 S	MARION	46952	IN
32-27-0763	RONALD SMITH	ROUTE 1	JONESBORO	46938	IN
32-27-9763	RONALD SMITH	ROUTE 1	JONESBORO	46938	IN
32-29-9320	MERRILL M HORNEY	ROUTE 3	SHERIDAN	46069	IN
32-30-0160	W.DEWITT&FAMILY	ROUTE 1	NEW PALESTINE	46206	IN
32-30-0323	DON HILL	ROUTE 1	FOUNTAINTOWN	46130	IN
32-30-0325	STANLEY HANCOCK & FAMILY	RTE 2 BOX 208	GREENFIELD	46140	IN
32-30-0534	J MITHOEFER & FAMILY	RTE 1	NEW PALESTINE	46163	IN
32-30-0763	FOREST SPARKS & SON	ROUTE 2	GREENFIELD	46140	IN
32-30-0820	ALSON TURNER	ROUTE 5	GREENFIELD	46140	IN
32-30-0902	WALNUT GROVE FARM	RR 1	NEW PALESTINE	46163	IN
32-30-9107	WM.J.CARLTON & FAMILY	JUDY CARLTON,RT 5	GREENFIELD	46140	IN
32-32-0046	C.M.BOTTEMA,FARM 2	ROUTE 2,BOX 380	INDIANAPOLIS	46231	IN
32-32-9534	GUY MCFARLAND & SONS		INDIANAPOLIS	46227	IN
32-33-0323	MRS. SARAH HILBERT	ROUTE 2	HAGERSTOWN	47346	IN
32-33-9041	DANIEL W.BAKER&FAM.	ROUTE 2	MIDDLETOWN	47356	IN
32-33-9713	HERMAN RODEFFER	ROUTE 1	MOORELAND	47360	IN
37 34-0102	HAROLD COLEMAN		KOKOMO	46901	IN
32-34-0104	LEAFY LANE FARM	RT 2 BOX 70	KOKOMO	46901	IN

TABLE 7. LIST OF HERO-OWNERS (CONTINUED).

HERO CODE	NAME OF OWNER	. . . . ADDRESS OF OWNER . . . . STREET OR ROUTE	TOWN	ZIP-CODE	STATE
32-34-0651	MRS.L.PARSONS& SONS	ROUTE 1	GREENTOWN	46936	IN
32-34-0990	WALTER ZELL	ROUTE 2	RUSSIAVILLE	46979	IN
32-35-0003	MARK ANSON	ROUTE 1	ANDREWS	46702	IN
32-35-0763	LOWELL STOUDER	ROUTE 1	SO WHITLEY	46787	IN
32-35-0827	GLEN & ROGER THOMPSON	ROUTE 5	HUNTINGTON	46750	IN
32-35-9531	MARK MILLER	ROUTE 1	HUNTINGTON	46750	IN
32-36-0210	ELLIOTT BROTHERS	ROUTE 2	BROWNSTOWN	47220	IN
32-36-0280	GERALD GOECKER	ROUTE 2	BROWNSTOWN	47220	IN
32-36-0550	RALPH PETERS	ROUTE 2	BROWNSTOWN	47220	IN
32-36-0820	ARTHUR TORMOEHLEN	ROUTE 2	BROWNSTOWN	47220	IN
32-36-0821	ELMER TORMOEHLEN	ROUTE 1	CROTHERSVILLE	47229	IN
32-36-9590	HENRY & ROGER NIERMAN	ROUTE 2	BROWNSTOWN	47220	IN
32-37-0531	LAWRENCE MEIER & HERBERT	ROUTE 2	WOLCOTT	47995	IN
32-37-0762	JAMES E. SCHNELLE	ROUTE 2	REMINGTON	47977	IN
32-38-0044	LARRY STEED	RT 5	PORTLAND	47371	IN
32-38-0283	PAUL L. GEIRHARTESON	ROUTE 1	BRYANT	47326	IN
32-38-0324	JOHN HARDY & BILL MARSH	ROUTE 1	BRYANT	47326	IN
32-38-0330	RICHARD L. HOUSER	ROUTE 1	BRYANT	47326	IN
32-38-0442	GORDON KESLER &FAMILY	ROUTE 1	DUNKIRK	47336	IN
32-38-0552	THE PEN WILL FARM	ROUTE 1	PENNVILLE	47369	IN
32-38-9282	JOSEPH & DAVID GIERHART		BRYANT	47326	IN
32-38-9900	EMMETT WALTERS JR FM	DO	PORTLAND	47371	IN
32-41-0552	CLIFFORD PARKER	ROUTE 4, BOX 93	FRANKLIN	46131	IN
32-41-0763	PARIS & PARIS DAVID	ROUTE 1	FRANKLIN	46131	IN
32-42-0411	CARL JOHANNINGSMEIER	ROUTE 1	EDWARDSPORT	47528	IN
32-43-0012	CHESTER &MRSHL ALBERT	ROUTE 1	LEESBURG	46538	IN
32-43-0046	CARLTON BEER	ROUTE 1	MILFORD	46542	IN
32-43-0047	JESSE W. BEER	ROUTE 2	MILFORD	46542	IN
32-43-0051	DAN & DEBBIE BEER		MILFORD	46542	IN
32-43-0322	L.CUMBERLAND	ROUTE 1	CLAYPOOL	46510	IN
32-43-0442	WALTER KISER	ROUTE 2	SILVER LAKE	46982	IN
32-43-0821	ROBERT TUSING	ROUTE 2	LEESBURG	46538	IN
32-43-9161	DEATON & WATKINS	ROUTE 2	SYRACUSE	46547	IN
32-43-9483	HARVESTOR HAVEN	ROUTE 1	CLAYPOOL	46510	IN
32-43-9531	MYRON & GRACE METZGER	ROUTE 2	CLAYPOOL	46510	IN
32-43-9537	L.L.&REX MORT & SONS	ROUTE 1	PIERCETON	46562	IN
32-43-9542	MAURICE AND J.METZGER	ROUTE 2	CLAYPOOL	46510	IN
32-44-0280	FRED & MONROE GAGE	ROUTE 3	LAGRANGE	46761	IN
32-44-0325	SYLVESTER HAARER	ROUTE 1	SHIPSHEWANA	46565	IN
32-44-0331	E.BYLER-BLACKWLNUT FM	ROUTE 4	LAGRANGE	46761	IN
32-44-0654	VERN R PENNER	ROUTE 1	WOLCOTTVILLE	46795	IN
32-44-0905	RAYMOND WINGARD	ROUTE 1	MIDDLEBURY	46540	IN
32-44-0961	ERNEST YOUNG	BOX 42	STROH	46789	IN
32-44-9043	ELI BURKHOLDER	ROUTE 3	LAGRANGE	46761	IN
32-44-9101	N LEROY CHAMNESS	ROUTE 2	HOWE	46746	IN
32-44-9481	BURTON LEWIS	ROUTE 3	LAGRANGE	46761	IN
32-44-9550	KENNETH PERKINS	ROUTE 1	HUDSON	46747	IN
32-44-9966	MAURICE A. YODER	ROUTE3	LAGRANGE	46761	IN
32-45-0533	MONA DELL FARM		LOWELL	46356	IN
32-45-9320	EDWARD A. HEIN	2009 E. 121ST AVE	CROWN POINT	46307	IN
32-46-0102	CLARK - SWANSON	ROUTE 1	LACROSSE	46348	IN
32-46-0321	STEVE & JOHN HORVATH	ROUTE 2	NEW CARLISLE	46552	IN
32-46-0333	HARVEY E SOMMERS SONS	HARLA FMS, RT.1	HANNA	46340	IN
32-46-0482	HAROLD & ROBERT W SWANSO	RT 1 BOX 246	ROLLING PRAIRIE	46371	IN
32-46-0483	WARREN LINDBORG	ROUTE 1	UNION MILLS	46382	IN
32-46-0535	WM MINICH	BOX 392	LAPORTE	46350	IN
32-46-0711	DEAN RIBORDY	ROUTE 2,BOX 386	LAPORTE	46350	IN
32-46-9041	RICH LOU FARMS	BUCHER & SONS R.1	UNION MILLS	46382	IN
32-46-9100	LLOYD CLAYTON	ROUTE 4, BOX 343	LAPORTE	46350	IN
32-46-9324	EDWARD HAGENOW	ROUTE 1 BOX 196	WESTVILLE	46391	IN
32-46-9590	ROBERT A NELSON	ROUTE 3 BOX 599	LAPORTE	46350	IN
32-46-9710	HOWARD RIBORDY	ROUTE 2, BOX 600	LAPORTE	46350	IN
32-47-0480	PAUL LAMBRECT	ROUTE 5	BEDFORD	47421	IN
32-47-0520	PAUL R. OOLEY	ROUTE 3 BOX 280	BEDFORD	47421	IN
32-47-0820	TARR AND CLOUD	BOX 243	ORLEANS	47452	IN
32-47-0962	HOWARD YOUNGER	ROUTE 3	BEDFORD	47421	IN
32-48-0412	JONES DAIRY FARM	BOX 250	ANDERSON	46011	IN
32-48-0651	ROBERT PEGG AND SONS	ROUTE 3, BOX 107	PENDLETON	46064	IN
32-49-9590	NORMANDY FARMS		INDIANAPOLIS	46204	IN
32-50-0047	EARL BURKHOLDEP	RT 1	BREMEN	46506	IN
32-50-0164	MAX DINIUS	ROUTE 2, BOX 17	BOURBON	46504	IN
32-50-0284	ROBERT GOOD	RT 1	ARGOS	46501	IN
32-50-0410	JOHNSON & STONEBURNER	ROUTE 1	BOURBON	46504	IN
32-50-0700	HUGH QUIVEY	RT 1	PLYMOUTH	46563	IN
32-50-0714	GERALD D. RINGLE	ROUTE 1	ARGOS	46501	IN
32-50-0825	CARROLL THOMPSON	ROUTE 1	ARGOS	46501	IN
32-50-0862	IRVIN & MARGARET UNSICKE		BREMEN	46506	IN
32-50-9161	ROBERT STANER	ROUTE 3,BOX 425	BREMEN	46506	IN
32-50-9241	FRIENDLY ACRES	ROUTE 2	PLYMOUTH	46563	IN
32-50-9592	NEWMAN HOLSTEIN FARM		CULVER	46511	IN
32-52-0043	RICHARD BIRKEY	ROUTE 1	AMBOY	46911	IN
32-52-0320	W & W HOCHSTEDLER	ROUTE 5	KOKOMO	46901	IN
32-52-0535	WILLIAM MILLER & MATHIS	ROUTE 1	AKRON	46910	IN
32-52-9043	RICHARD BIRKEY	ROUTE 1	AMBOY	46911	IN
32-54-0411	JEFFERS DAIRY		WAYNETOWN	47990	IN

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	. . . . A D D R E S S STREET OR ROUTE	O F O W N E R . . . . TOWN	ZIP-CODE	STATE
32-54-0766	ROLLAND SHADLE	ROUTE 5	CRAWFORDSVL	47933	IN
32-55-9160	JACOB DEGROOT	ROUTE 2	MOORESVILLE	46158	IN
32-56-0760	ROY & WAYNE SELL	ROUTE 1	BROOK	47922	IN
32-57-0449	LESTER O KEEFER & SONS		WAWAKA	46794	IN
32-57-0539	BENDER FARMS.	ROUTE I	KIMMELL	46760	IN
32-57-0552	EARLE PEFFER		ALBION	46701	IN
32-57-9241	TOM FRANKS	ROUTE I	WAWAKA	46794	IN
32-57-9482	JOHN LOVELESS & FAM.		CROMWELL	46732	IN
32-57-9521	CALVIN OTT	ROUTE 2	ALBION	46701	IN
32-57-9769	STUCKMAN BROTHERS	ROUTE 4	ALBION	46701	IN
32-57-9901	EUGENE WEBER	ROUTE 1	KENDALVILLE	46755	IN
32-59-0550	B.J. PURLEE AND SON	ROUTE 1	WEST BADEN	47469	IN
32-61-0042	BLAIR BROS.	ROUTE 1	ROSEDALE	47874	IN
32-61-0410	JOSIAH JONES AND SONS	ROUTE 1	MARSHALL	47859	IN
32-61-0820	CHARLES TAYLOR & FAMILY		ROSEDALE	47874	IN
32-64-0554	EUGENE PRICE	ROUTE 3	VALPARAISO	46383	IN
32-64-9762	EUGENE SINN	ROUTE 1	KOUTS	46347	IN
32-66-0442	KNEBEL BROTHERS	ROUTE 4	WINAMAC	46996	IN
32-67-0241	MARION FERRAND	ROUTE 3	GREENCASTLE	46135	IN
32-67-0380	MR EARL ZIMMERMAN	BOX 76	GREENCASTLE	46135	IN
32-67-0531	EUGENE MCFARLAND & FAMIL	ROUTE I	BAINBRIDGE	46105	IN
32-67-9040	ED BROOKSHIRE	ROUTE 2	ROACHDALE	46172	IN
32-68-0005	ABEL AND HOOBER	ROUTE I	MODOC	47358	IN
32-68-0108	J. DOWNING	ROUTE 1	FARMLAND	47340	IN
32-68-0535	THOMAS A. MILLER	ROUTE 3	WINCHESTER	47394	IN
32-68-0540	H.ANDERSON & J.BARKER	MAPLEWOOD FMS.RT3	WINCHESTER	47394	IN
32-68-0770	BYRON SMITHSON	R R 1	RIDGEVILLE	47380	IN
32-68-9243	FOREST FOUTZ & SON	ROUTE 1	PARKER	47368	IN
32-68-9285	MR&MRS M. GORDON HD#2	ROUTE 2	LYNN	47355	IN
32-70-0322	WILBUR HOEING & SONS	ROUTE 4	RUSHVILLE	46173	IN
32-70-0325	L.HERBERT & H.JAGGERS	ROUTE 6	RUSHVILLE	46173	IN
32-71-0323	JAMES E. HUNSBERGER	61019 BREMEN ROAD	MISHAWAKA	46544	IN
32-71-0480	HERMAN BRINKHOFF	ROUTE 2	NORTH LIBERTY	46554	IN
32-71-9531	J.E.MYERS AND FAMILY	17700ROOSEVELT RD	SOUTH BEND 14	46614	IN
32-73-0043	GLEN F.BEEKER & SONS	ROUTE 2	HOPE	47246	IN
32-73-0321	HI-ACRE FARM	ROUTE I	TRAFALGAR	46181	IN
32-73-0760	NORMAN SCHILLING	ROUTE 1 BOX 21	BOGGSTOWN	46110	IN
32-73-9241	HARLAN FORTMEYER	ROUTE 1	ST PAUL	47272	IN
32-74-0761	ST MEINRADS ABBEY	% BRO D SCHEPERS	ST MEINRAD	47577	IN
32-75-0481	EDWARD LEMAN & SONS	ROUTE 2	FRANCESVILLE	47946	IN
32-76-0768	DON & GERALD SELLERS	ROUTE 1	ORLAND	46776	IN
32-76-0773	DURWOOD SICKELS & FAMILY	RT 2 BOX 308	FREMONT	46737	IN
32-76-0960	BION & KEITH YOUNG	ROUTE 1	PLEASANT LAKE	46779	IN
32-81-0870	VOLKS SWISS FARMS	ROUTE 1	CEDAR GROVE	47016	IN
32-82-9711	LEE M RIGGS	ROUTE 5	EVANSVILLE	47711	IN
32-85-0909	B. ELDON WATSON	ROUTE 1	WABASH	46992	IN
32-85-9520	VICTOR ODUM	ROUTE 1	WABASH	46992	IN
32-88-0551	ROGER PACKWOOD	RURAL ROUTE 2	CAMPBELLSBURG	47108	IN
32-88-0710	F W RUEDEMAN AND SON	ROUTE I BOX 196	PALMYRA	47164	IN
32-88-9282	D. GREEN GREEN ACRES	ROUTE 5	SALEM	47167	IN
32-89-0044	BUCKLAND BROS.RT.27	3001 WERNLE ROAD	RICHMOND	47374	IN
32-89-0108	CLAYTON CLARK	ROUTE I	WILLIAMSBURG	47393	IN
32-89-0327	F.HARTMAN &	M.&T.KITCHEL RT.1	RICHMOND	47374	IN
32-89-0328	ROBERT HELMS	ROUTE 2	CENTERVILLE	47330	IN
32-89-0414	D.HILL AND H.MACY	ROUTE I	FOUNTAIN CITY	47341	IN
32-89-0440	JAMAC FARM	P. KOONS, RT. 2	CENTERVILLE	47330	IN
32-89-0531	RUBY & MYRON MOYER	ROUTE 1	GREENS FORK	47345	IN
32-89-0820	M THOMAS AND BURDETTE	ROUTE 1	FOUNTAIN CITY	47341	IN
32-90-0380	HAROLD ISCH	ROUTE 3	BLUFFTON	46714	IN
32-90-0950	RONALD WALBURN	ROUTE 3	BLUFFTON	46714	IN
32-91-0322	HASKELL BROTHERS	ROUTE 1	IDAVILLE	47950	IN
32-91-0760	PAUL SCHWAB		WOLCOTT	47995	IN
32-92-0041	MILAN F BLESSING	RFD 5 LEESBURG RD	FORT WAYNE	46808	IN
32-92-0327	PHIL HURLEY	ROUTE 8	COLUMBIA CITY	46725	IN
32-92-0714	J.H. ROBERSON & SON	ROUTE 2,TAYLOR RD	CHURUBUSCO	46723	IN
32-92-0900	THOMAS WESTERN & SON	TOM ROUTE 6	COLUMBIA CITY	46725	IN
32-92-0903	JAMES WAUGH	ROUTE 6	COLUMBIA CITY	46725	IN
32-92-0960	LOWELL YOHE	ROUTE 1	SOUTH WHITLEY	46787	IN
32-92-9040	C.W. AND D.E. BONER	ROUTE 3	COLUMBIA CITY	46725	IN
32-92-9441	MONROE KITSON	ROUTE 4	COLUMBIA CITY	46725	IN
32-92-9531	LOREN & OLIVE METZGER	ROUTE 2	SOUTH WHITLEY	46787	IN
32-92-9711	JAMES RUCKMAN	ROUTE 1	LARWILL	46764	IN
32-94-9550	C M BROWN P U DAIRY CENT	1416 CHERRY LN	W LAFAYETTE	47906	IN
33-01-0110	JOHN ALISON	RR 2	QUINCY	62301	IL
33-01-0140	ALBERT BASTERT		CAMP POINT	62320	IL
33-01-0173	RAY CALLAHAN AND SON	RR 1	QUINCY	62301	IL
33-01-0211	DIETRICH BROS	% MELVIN DIETRICH	FOWLER	62338	IL
33-01-0271	FUNK AND KLASING		LIBERTY	62347	IL
33-01-0274	LEE H FARLOW		CAMP POINT	62320	IL
33-01-0440	CHARLES KOCH AND SONS	RR 2	MT STERLING	62353	IL
33-01-0472	WARREN LEWIS	RR 3	QUINCY	62301	IL
33-01-0511	MOORMAN MFG CO	%RICHARD C BERNETT	QUINCY	62301	IL
33-01-0717	RAYMOND SCHREACKE & SON	RR 2	CAMP POINT	62320	IL
33-01-0718	MR WENDELL SHUPE		MENDON	62351	IL
33-02-0210	DEBATIN BROTHERS	RR 1	POCAHONTAS	62275	IL

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HE DE	NAME OF OWNER	. . . . A D D R E S S O F O W N E R . . . . STREET OR ROUTE	TOWN	ZIP-CODE	STATE
-0211	HOMER DOLL		POCAHONTAS	62275	IL
33-02-0213	MELVIN DEVORE		MULBERRY GROVE	62262	IL
33-02-0240	ELDON ENNEN	RR 1	SMITHBORO	62284	IL
33-02-0440	LESTER KLEINER		GREENVILLE	62246	IL
33-02-0441	PAUL BUNYARD	RR 5	GREENVILLE	62246	IL
33-02-0442	VINCENT A KORTE	RR 1	POCAHONTAS	62275	IL
33-02-0443	KENNETH KERSCH		GREENVILLE	62246	IL
33-02-0714	DALE SCHAUFELBERGER	RR 1	GREENVILLE	62246	IL
33-02-0715	WILLIAM SCHRAGE	RR 5	GREENVILLE	62246	IL
33-02-0722	TONY SNOW	RR 2	GREENVILLE	62246	IL
33-02-0740	HARRY TURLEY AND SON		GREENVILLE	62246	IL
33-02-0845	EARL WEIS DAIRY FARM	RR 2	POCAHONTAS	62275	IL
33-03-0158	ALBERT BLACHFORD JR	RR 1	CAPRON	61012	IL
33-03-0211	DUETT & GEORGE ROBINSON	RR 1	CAPRON	61012	IL
33-03-0212	SUMNER G DE MUNN	RR 2 BOX 270	BELVIDERE	61008	IL
33-03-0313	M GUSTAFSON AND K B FARM	RR 3 BOX 69	BELVIDERE	61008	IL
33-03-0512	MYRLAND AND HULSTEDT	RR 2 BOX 181	BELVIDERE	61008	IL
33-03-0511	BROOKSIDE FARMS		CALEDONIA	61011	IL
33-03-0517	LOUIS POEHLS	RR 1 POOLE ROAD	CHERRY VALLEY	61016	IL
33-03-0712	EUGENE SIMERL	RR 1	POPLAR GROVE	61065	IL
33-05-0150	EDWARD BOHM AND SON	RR 2	LA MOILLE	61330	IL
33-05-0444	LAWRENCE & JOSEPH KUNKLE	RR 1	WYANET	61379	IL
33-05-0475	KEVIN LYONS		GRANVILLE	61326	IL
33-05-0525	DAN MYERS	RR 1	LA MOILLE	61330	IL
33-07-0143	KENNETH ERBSEN	RR 2	LANARK	61046	IL
33-07-0171	WILMER SMITH AND SONS	RR 1	CHADWICK	61014	IL
33-07-0212	CLIFFORD L DURWARD	RR 1	THOMSON	61285	IL
33-07-0440	DONALD AND EDWIN KEIM	RR 2	MT CARROLL	61053	IL
33-07-0483	MRS A F LAREM AND SON	RR 1	CHADWICK	61014	IL
33-07-0711	C ROBERT SIBLEY	RR 1	MT CARROLL	61053	IL
33-07-0847	ROBERT WAGENKNECHT	RR 2	MILLEDGEVILLE	61051	IL
33-07-0910	HAROLD YOCHEM AND FAMILY	RR 2	MT CARROLL	61053	IL
33-09-0002	UNIVERSITY OF ILLINOIS	GUERNSEY HERD	URBANA	61801	IL
33-09-0003	UNIVERSITY OF ILLINOIS	HOLSTEIN HERD	URBANA	61801	IL
33-09-0004	UNIVERSITY OF ILLINOIS	JERSEY HERD	URBANA	61801	IL
33-09-0005	UNIVERSITY OF ILLINOIS	BROWN SWISS HERD	URBANA	61801	IL
33-09-0141	LESLIE AND GENE BATEMAN		MANSFIELD	61854	IL
33-09-0153	ELROY AND EDWIN BUSBOOM		THOMASBORO	61878	IL
33-09-0352	RICHARD HARDY	RR 1	RANTOUL	61866	IL
33-10-0145	RAYMOND BRINKMAN AND SON	RR	NOKOMIS	62075	IL
33-10-0571	ORLO RUPPERT AND SONS	RR 2	NOKOMIS	62075	IL
33-10-0572	MILTON RUPPERT AND SONS	RR 1	NOKOMIS	62075	IL
33-11-0147	LUTHER F BROWN	R R 1	MARSHALL	62441	IL
33-11-0718	OCIE V SMITH AND SON		OBLONG	62449	IL
33-11-0810	JOHN VAN FLEET	RR 1	MARSHALL	62441	IL
33-11-0910	JOHN AND NORMAN YELEY	RR 5	MARSHALL	62441	IL
33-13-0210	H VIRGIL DIEKEMPER	RR 4 BOX A14	CARLYLE	62231	IL
33-13-0273	FRUEND BROS	RR 4	CARLYLE	62231	IL
33-13-0311	GEBDALE FARM	RR 1	BARTELSO	62218	IL
33-13-0312	LEO GRASHER	RR 4	CENTRALIA	62801	IL
33-13-0342	JOHN & ROBERT HORSTMANN	RR 1	BREESE	62230	IL
33-13-0349	LESTER HEINZMAN	RR 4	CARLYLE	62231	IL
33-13-0352	JAMES HORSTMANN	RR 1	NEW BADEN	62265	IL
33-13-0353	HARPSTRITE BROS	RR 2	TRENTON	62293	IL
33-13-0473	EARL LAWRENCE	LAWRENCE FARMS	KEYESPORT	62253	IL
33-13-0512	ALPHONSE MUELLER	RR 2	GERMANTOWN	62245	IL
33-13-0578	HOMECREST FARM	RR 1	TRENTON	62293	IL
33-13-0580	LESTER RANZ	RR 1	TRENTON	62293	IL
33-13-0743	TWENDELL HOLSTEINS	R 4 RALPH TWENHAFE	CENTRALIA	62801	IL
33-18-0216	PAUL P DEUTSCH	RR 1	SYCAMORE	60178	IL
33-18-0218	ROBERT DIEDRICK	RR 1	GENOA	60135	IL
33-18-0219	DUTTON AND SCHAFER	RR 1	MAPLE PARK	60151	IL
33-18-0277	FISK AND KEYS	RR 1	SYCAMORE	60178	IL
33-18-0348	LLOYD A HEISNER		ESMOND	60129	IL
33-18-0510	H D MALVEN AND STONER		KINGSTON	60145	IL
33-18-0576	WALTER RUSSELL	RR 1	WATERMAN	60556	IL
33-18-0711	SCHUMACHER BROTHERS	RR 1	MAPLE PARK	60151	IL
33-18-0845	CLARENCE WIESE	5619 PETERSON ROAD	UNION	60180	IL
33-21-0145	JAMES BEUTEL	RR 3	LOCKPORT	60441	IL
33-21-0172	W F CLOW AND C A DURRAN	RR 1	PLAINFIELD	60544	IL
33-21-0176	DAVE & D CHRISTOPHERSON		SHERIDAN	60551	IL
33-21-0215	JAMES DAVIDSON	RR 1	JOLIET	60431	IL
33-21-0522	G E MATLOCK AND SON		YORKVILLE	60560	IL
33-21-0517	ROY W PARKER	RR 2 CREME ROAD	LOCKPORT	60441	IL
33-21-0572	ROLLING ACRES FARM	RR 1 BOX 244	ELGIN	60120	IL
33-21-0719	G SHERMAN AND J PETERSON		PLANO	60545	IL
33-24-0213	HENRY J DUST		SHUMWAY	62461	IL
33-24-0310	HAROLD GILLESPIE		WATSON	62473	IL
33-24-0470	DALE B LOY	RR 1	EFFINGHAM	62401	IL
33-24-0512	OSCAR H MOELLER		WHEELER	62479	IL
33-24-0511	FRANKLIN PLATZ AND SONS		SIGEL	62462	IL
33-24-0514	WOODROW PERCIVAL		WATSON	62473	IL
33-24-0714	ALBERT SCHUMACHER		SIGEL	62462	IL
33-24-0717	DON SIDDENS	RR 1	MASON	62443	IL
33-24-0718	SPILKER DAIRY FARM	RR 1	ALTAMONT	62411	IL

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	. . . . A D D R E S S O F O W N E R . . . . STREET OR ROUTE	TOWN	ZIP-CODE	STATE
33-24-0841	FOSTER WALK AND SONS	RR 1	NEOGA	62447	IL
33-24-0844	WOLFF HOLSTEIN FARM		MASON	62443	IL
33-25-0240	EHRAT BROTHERS		SHOBONIER	62885	IL
33-25-0471	LAMKIN LAND		WATSON	62473	IL
33-25-0713	EVERETT E SMITHSON	RR 1	LOOGOOTEE	62857	IL
33-31-0240	T G ERICKSON AND SON		NEWARK	60541	IL
33-31-0470	DONALD LOWERY		MAZON	60444	IL
33-32-0170	CULLINS FARMS	RR 3	MCLEANSBORO	62859	IL
33-32-0210	RICHARD L DONOHO	RR 1	BLUFORD	62814	IL
33-36-0240	RAYMOND EISENMANN	RR 1	CISSNA PARK	60924	IL
33-36-0347	GEORGE HULSE		CISSNA PARK	60924	IL
33-36-0512	RICHARD MUEHLING		CISSNA PARK	60924	IL
33-36-0540	JOE D NUEKOMM AND SON	R	ONARGA	60955	IL
33-36-0542	WILBERT NIEMANN		BUCKLEY	60918	IL
33-36-0845	AUDREY WAGNER	RR 1	CISSNA PARK	60924	IL
33-36-9143	LOREN BAUER	RR2	RANKIN	60960	IL
33-37-0210	LAVERN DIETZ		DE SOTO	62924	IL
33-37-0213	HOWARD DAVIE	RR 2	JONESBORO	62952	IL
33-37-0510	FRED MCLAUGHLIN	RR 3	MURPHYSBORO	62966	IL
33-37-0512	PYATT BROS	RR 1	PINCKNEYVILLE	62274	IL
33-38-0152	CHARLES BRUMMER	RR 1	WHEELER	62479	IL
33-38-0410	JANSEN DAIRY FARM	RR	TEUTOPOLIS	62467	IL
33-38-0511	JOE PROBST	RR 1	WHEELER	62479	IL
33-40-0141	VARIETAL FARM	R BLOOMFIELD RR 1	KANE	62054	IL
33-40-0213	CAROL LEE DAY	PO BOX 307	JERSEYVILLE	62052	IL
33-40-0740	WILLIAM TRACY	RR 1	JERSEYVILLE	62052	IL
33-41-0110	ROBERT SCHIESS	RR 3	STOCKTON	61085	IL
33-41-0140	LAURENCE HEIDENREICH	RR 1	STOCKTON	61085	IL
33-41-0170	RICHARD CURTISS	RR 1	STOCKTON	61085	IL
33-41-0211	DOUBLER FARM INC	RR 2	WARREN	61087	IL
33-41-0351	MELVIN OFFENHEISER	RR 1 BOX 37	ELIZABETH	61028	IL
33-41-0370	FORREST INGRAM		APPLE RIVER	61001	IL
33-41-0441	DUANE KUPERSMITH FAMILY		STOCKTON	61085	IL
33-41-0510	MGM FARMS	RR 1	APPLE RIVER	61001	IL
33-41-0522	EUGENE MCKEE	RR 1	KENT	61044	IL
33-41-0540	RALPH NOLLER AND SONS	RR 1	STOCKTON	61085	IL
33-41-0571	HARLAN E REUSCH	RR 2	ELIZABETH	61028	IL
33-41-0718	SIMMONS DAIRY FARM	RR 1	STOCKTON	61085	IL
33-41-0721	STEINLE BROTHERS	R R 1	GALENA	61036	IL
33-41-0840	TWIN CREEKS SWISS FARM	RR 1	STOCKTON	61085	IL
33-41-0847	WILDA SPRING FARM		ELIZABETH	61028	IL
33-43-0161	DELAND BRUENS	RR 2 BOX 96	HAMPSHIRE	60140	IL
33-43-0223	GEORGE ORENDEL	RR 2	HAMPSHIRE	60140	IL
33-43-0240	JOE EINWICH	R R 1	GENOA	60135	IL
33-43-0245	DENNIS ENGEL	RR 2 BOX 56	HAMPSHIRE	60140	IL
33-43-0352	CLAYTON HOLCOMB	RR 1	MAPLE PARK	60151	IL
33-43-0356	HARTMANN FARMS	RR 2	DUNDEE	60118	IL
33-43-0360	HARTMAN AND CLEVELAND	RR 2	HAMPSHIRE	60140	IL
33-43-0410	ROBERT JOHNSEN AND SON	RR 1 BOX 43	ST CHARLES	60174	IL
33-43-0418	JAY JOHNSEN	RR 1 BOX 194	ELBURN	60119	IL
33-43-0451	KLAAS AND CAROL KOOPMANS	R1 12712 HEMINGSEN	HUNTLEY	60142	IL
33-43-0511	MCQUEEN AND THOMPSON	RR 3 BOX 78	ELGIN	60121	IL
33-43-0515	MOOSEHEART FARM		MOOSEHEART	60539	IL
33-43-0519	CLARENCE & RON MUELLER	RR 1	ST CHARLES	60174	IL
33-43-0546	JOHN NEPERMANN	RR 3 BOX 79	ELGIN	60120	IL
33-43-0576	I N AND RAYMOND RUSSELL	RR 3 BOX 185	ELGIN	60120	IL
33-43-0583	ED AND LES ROHLWING	RR 2 BOX 30	HAMPSHIRE	60140	IL
33-43-0585	STEVE AND JIM ROOT	RR 2	MAPLE PARK	60151	IL
33-43-0724	RALPH SPRINGINSGUTH	RR 2 BOX 149	MAPLE PARK	60151	IL
33-43-0725	WARREN SCHURING	RR 2 BOX 193	ELGIN	60120	IL
33-43-0731	STEVE AND PAUL SCHUPPNER	RR 2	MAPLE PARK	60151	IL
33-43-0842	HASKINS AND DIECKHOFF	RR 4 BOX 115	ST CHARLES	60174	IL
33-43-0852	DEAN DOTY FRAJOMA INC	RR 3 BOX 800	SAINT CHARLES	60174	IL
33-44-0147	JAMES BUTLER JR		CHEBANSE	60922	IL
33-44-0171	NEWELL N CHACE	RR 3	ST ANNE	60964	IL
33-44-0310	GOODWIN BROS	RR 1	WILMINGTON	60481	IL
33-44-0413	WILLIAM JENSEN	RR 2 BOX 145	KANKAKEE	60901	IL
33-44-0514	CALVIN MEYER AND SON		PEOTONE	60468	IL
33-44-0570	RODNEY OHM	RR 1	GRANT PARK	60940	IL
33-44-0571	G BOUCHARD AND OLSEN	RR 1	HERSCHER	60941	IL
33-44-0711	DONALD SHIPP	RR 1	MANTENO	60950	IL
33-44-0842	LOUIS WOLFE		CHEBANSE	60922	IL
33-46-0440	KINGSDALE FARMS	RR 1	ONEIDA	61467	IL
33-46-0712	PERRY L SERVEN AND SON	RR 1	ST AUGUSTINE	61474	IL
33-48-0145	MILTON BETTENHAUSEN	RR 1	STREATOR	61364	IL
33-48-0273	GORDON FLATNESS	RR 1	SENECA	63	IL
33-48-0342	CLARENCE HENRY		SENECA	360	IL
33-48-0519	TERRY MAGEE		WASHBURN	70	IL
33-48-0572	MAX RYAN		TONICA	370	IL
33-48-0713	WALTER AND DAVID SNOOK	RR 2	OTTAWA	350	IL
33-48-0716	JACK K SCHOEPKE		VARNA	75	IL
33-48-0717	EUGENE SCHOEPKE		VARNA	75	IL
33-48-0741	JAMES C THOMSON	RR 1	UTICA	73	IL
33-48-0812	RUSSELL F VOGEN	RR 2 HELMAR ROAD	NEWARK	41	IL
33-50-0350	W HABERER & HUDDLESTON	RR 2	STERLING	81	IL

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	. . . . A D D R E S S O F O W N E R . . . . STREET OR ROUTE	TOWN	ZIP-CODE	STATE
33-50-0448	RAYMOND PYSE & A BROOKS	RR 3	DIXON	61021	IL
33-50-0512	RONALD PRATT AND COLLINS	RR 4	DIXON	61021	IL
33-50-0852	ART BARNHART & SPERLING	RR 2	AMBOY	61310	IL
33-50-9341	LARRY AND WESLEY HERWIG	RR 2	FRANKLIN GROVE	61031	IL
33-51-0150	BARRON BROS	RFD 3	STREATOR	61364	IL
33-51-0540	THOMAS NOLAN AND SONS	RR 1	PONTIAC	61764	IL
33-51-0613	TOM AND ELDON PEARSON	RR 3	PONTIAC	61764	IL
33-51-0742	GLEN AND BOYD TOMBAUGH	RR 2	STREATOR	61364	IL
33-51-0940	DONALD L ZEHR & SONS	RR 3	PONTIAC	61764	IL
33-51-9440	JAMES V KEELEY JR	RR 2	FAIRBURY	61739	IL
33-51-9571	ROESCHLEY BROTHERS	RR 1	FLANAGAN	61740	IL
33-52-0713	HUBERT STOLL		CHESTNUT	62518	IL
33-52-0714	RAYMOND STOLL		CHESTNUT	62518	IL
33-54-0141	CHARLES R BIERBAUM	RR 3	LITCHFIELD	62056	IL
33-54-0210	LAWRENCE DEVRIES	RR 1	STAUNTON	62088	IL
33-54-0471	LEE ANDY FARM		NOKOMIS	62075	IL
33-54-0572	A L AND R L RHINE		WAGGONER	62572	IL
33-54-0711	TRUMAN & A POCKLINGTON		SHIPMAN	62685	IL
33-54-0740	ALLEN AND BEVERLY TUCKER	RR 1	BRIGHTON	62012	IL
33-55-0145	HAROLD AND CARL BAUMANN	RR 2	HIGHLAND	62249	IL
33-55-0146	VERNON BECKER		MORO	62067	IL
33-55-0147	JIM BEANE	RR 2	GODFREY	62035	IL
33-55-0270	WILBUR FEDERER		ALHAMBRA	62001	IL
33-55-0271	JOE AND EDWIN FESSLER	RR 1	DOW	62022	IL
33-55-0343	MILTON HITZ		HIGHLAND	62249	IL
33-55-0350	RONALD HUEGEN	RR 2	TRENTON	62293	IL
33-55-0442	HAROLD KLENKE	RR 1	TROY	62294	IL
33-55-0472	MRS FREDA LINENBROKER	RR 1	WORDEN	62097	IL
33-55-0510	EUGENE MEFFERT	RR 3	HIGHLAND	62249	IL
33-55-0513	MANITOU INC		ALHAMBRA	62001	IL
33-55-0610	O JOHN PLOCHER	RR 2	POCAHONTAS	62275	IL
33-55-0718	LELAND STEINER	RR 1	HIGHLAND	62249	IL
33-55-0720	HILMER AND M SCHOENBAUN	BOX 352	MORO	62067	IL
33-55-0843	KENNETH & LORETTA WEBER	RR 2	EDWARDSVILLE	62025	IL
33-55-0940	HENRY ZOELZER		MORO	62067	IL
33-61-0124	AMES BROS	RR 1 BOX 194 ROU	ZION	60099	IL
33-61-0125	AHRENS-HUFF-ACRES	9405 WONDERMERE RD	WOODSTOCK	60098	IL
33-61-0166	ERHARDT BAUMAN AND SON	7908 S UNION ROAD	UNION	60180	IL
33-61-0220	WM DAVIDSON & SONS	4817 PAGLES ROAD	HARVARD	60033	IL
33-61-0225	MAURICE DHUYVETTER	RR 1 BOX 508	ROUND LAKE	60073	IL
33-61-0244	ELMWOOD FARMS INC	RR 2 BOX 200B RD	ANTIOCH	60002	IL
33-61-0279	JOE FLORENT	24211 CARMACK RD	MARENGO	60152	IL
33-61-0280	GEORGE AND MARION FRUIN	RR 1	HUNTLEY	60142	IL
33-61-0282	EMERSON W FELL	RR 1 BOX 51	HUNTLEY	60142	IL
33-61-0283	ROBERT GERLOFF	14804 PERKINS RD	WOODSTOCK	60098	IL
33-61-0326	GOLDEN OAKS FARMS	RAND AND BONNER RD	WAUCONDA	60084	IL
33-61-0327	GELATIN CO FARM	RR 1 BX 16 RT 120	GRAYSLAKE	60030	IL
33-61-0328	KENNETH & ORVILLE GREVER	RR 2 BOX 119	LAKE ZURICH	60047	IL
33-61-0368	RONALD VOHS & EARL HUGHS	917 DIMMEL ROAD	WOODSTOCK	60098	IL
33-61-0414	LAWRENCE JOHNSON	10206 JOHNSON ROAD	HEBRON	60034	IL
33-61-0449	RUDOLPH KOENIG JR	7611 MILLER RD	CRYSTAL LAKE	60014	IL
33-61-0460	HARRY KING	3907 WEST RINGWOOD	MCHENRY	60050	IL
33-61-0525	ED KOCH AND PAUL MARCKS	22222 OAK GROVE RD	HARVARD	60033	IL
33-61-0541	RALPH NICHOLS AND SON	13811 NICHOLS ROAD	HEBRON	60034	IL
33-61-0632	ROBERT L PETERSON	B 36 10212 MAIN ST	HEBRON	60034	IL
33-61-0680	RAACH AND THIEDE	717 ROOT ROAD	MARENGO	60152	IL
33-61-0684	HERBERT E RENNER	RR 1	WOODSTOCK	60098	IL
33-61-0685	ROBERT HUNTER	RR 2 BOX 213A	ANTIOCH	60002	IL
33-61-0687	WALTER J RONEY SR	RR 1 BOX 54	GRAYSLAKE	60030	IL
33-61-0689	KENNETH F RENNER	10536 MCCONNELL RD	WOODSTOCK	60098	IL
33-61-0735	HAROLD STILLING	711 SOUTH ROUTE 31	MCHENRY	60050	IL
33-61-0749	PAUL TOLSMA	RR 1	BRANDON	53919	WI
33-61-0812	LEONARD VEAR & J SWAAG	305 BUSSE ROAD	MARENGO	60152	IL
33-61-0819	FRED VON ALVEN	9317 WILMOT RD	SPRING GROVE	60081	IL
33-61-0843	CHARLES WEINGART	1714 WEST RR 120	MC HENRY	60050	IL
33-61-0856	LAWRENCE WORM	3311 NORTH QUEEN	WOODSTOCK	60098	IL
33-61-0940	FRANK ZARNSTORFF JR	11117 ZARNSTORFF R	RICHMOND	60071	IL
33-61-1145	MYRON BURMAN	RR 1 BOX 33	ALGONQUIN	60102	IL
33-61-1147	RONALD BAUMAN	14316 HARMONY ROAD	HUNTLEY	60142	IL
33-61-1340	NORMAN E HEINRICH	7939 RIDGEFIELD RD	CRYSTAL LAKE	60014	IL
33-61-1351	STAHLECKER AND HARDT	18918 BUNKER HILL	WOODSTOCK	60098	IL
33-61-1512	ROBERT MILLER	RR 1 BOX 26	HUNTLEY	60142	IL
33-61-1518	FLOYD B MEINKE	16614 HARMONY ROAD	HUNTLEY	60142	IL
33-61-1520	MAR RAL FARM G. J. PAGE	RR 1 BOX 63	ALGONQUIN	60102	IL
33-61-1719	R STRICKER & R BEERS	24815 PERKINS RD	HARVARD	60033	IL
33-61-1731	DOUGLAS SHANKS	RR 2 BOX 396	MUNDELEIN	60060	IL
33-61-1732	MAYNARD A STOHLQUIST	503 N ROUTE 23	MARENGO	60152	IL
33-62-0112	ROGER ARENDS		MELVIN	60952	IL
33-62-0150	ROBERT BUTLER	RR 1	ARROWSMITH	61722	IL
33-62-0177	WESLEY R CLARK		COLFAX	61728	IL
33-62-0211	LOWELL DUERINGER AND SON		MELVIN	60952	IL
33-62-0413	BOBBY JOHNSON AND SONS	RR 2	CHENOA	61726	IL
33-62-0474	LAESCH BROS	RR 1	NORMAL	61761	IL
33-62-0476	OSCAR LAESCH AND SONS	RR 1	BLOOMINGTON	61701	IL
33-62-0519	FLOYD AND WAYNE MOHR	RR 1	NORMAL	61761	IL

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	. . . . ADDRESS OF OWNER . . . . STREET OR ROUTE	TOWN	ZIP-CODE	STATE
33-62-0522	MERLE UMMEL	RR 2	SAYBROOK	61770	IL
33-62-0570	GLEN ORNS AND SONS	RR 1	ELPASO	61738	IL
33-62-0575	CLARENCE ROPP AND SONS	RR 1	NORMAL	61761	IL
33-62-0733	ROBERT SCHWOERER AND SON	RR 4	BLOOMINGTON	61701	IL
33-62-0736	ELVIN SPRINGER	R R 3	BLOOMINGTON	61701	IL
33-62-0843	ROCK BROOK FARM	RR 1 % G WIEGAND	CARLOCK	61725	IL
33-62-9241	MYRON ERDMAN	RR 2	CHENOA	61726	IL
33-65-0711	WM AND RONALD SCHEWE	RR 2	WATERLOO	62298	IL
33-69-0115	WAYNE & GLORIA ANDERSON	RR 1	MT MORRIS	61054	IL
33-69-0143	DONALD AND NEVIN BROWN	RR 2	POLO	61054	IL
33-69-0148	MYRON BABLER	RR 1	MT MORRIS	61054	IL
33-69-0170	W CANFIELD AND UPLAND 3	RR 1	OREGON	61061	IL
33-69-0243	ROBERT ELLIS	RR 2	FORESTON	61030	IL
33-69-0271	HARVEY FLOTO & DAUGHTERS	RR 1	MT MORRIS	61054	IL
33-69-0272	R L DONALDSON & FEARER	RR 3	OREGON	61061	IL
33-69-0344	DAN HUGHES SINNISSIPPI 3	RR 1	OREGON	61061	IL
33-69-0364	JAMES HEAD	RR 2	OREGON	61061	IL
33-69-0410	WILLIAM JONES		EGAN	61026	IL
33-69-0712	D LEARY UPLAND FARM NO 2	RR 1	OREGON	61061	IL
33-69-0716	WM HERWIG SINNISSIPPI 1		OREGON	61061	IL
33-69-0812	WALTER VAN RADEN	RR 1	FORRESTON	61030	IL
33-69-0846	ART AND DENNIS WUBBENA	RR 1	FORRESTON	61030	IL
33-70-0170	ARTHUR CLINGINGSMITH		HANNA CITY	61536	IL
33-70-0212	CLOYD & KENNETH DOUBET	RR 1	MONICA	61461	IL
33-70-0570	FRED ROSENBOHM	RR 3	PEORIA	61600	IL
33-77-0141	C E BUCHANAN	RR 1	LAWRENCEVILLE	62439	IL
33-77-0313	MELVIN GRAVES	RR 2	DUNDAS	62425	IL
33-77-0441	FRED KUENSTLER	RR 4	OLNEY	62450	IL
33-77-0511	J C PIPER AND SONS		SUMNER	62466	IL
33-78-0111	ARROWHEAD RANCH	RR 1	COAL VALLEY	61240	IL
33-78-0145	GEORGE L BAKER	DANCYVILLE FARM	HILLSDALE	61257	IL
33-78-0171	GUY CATLETT	RR 1	SHERRARD	61281	IL
33-78-0210	KEITH DOONAN	RR 2	REYNOLDS	61279	IL
33-79-0345	KENNETH & JOANN HARTMAN	RR 4	WATERLOO	62278	IL
33-79-0346	ROGER HARTMANN		RED BUD	62278	IL
33-79-0347	HENRY BROS	RR 1	RED BUD	62278	IL
33-79-0511	WAYNE W MENG	RR 2	FREEBURG	62243	IL
33-79-0714	WALTER E STEMLER	RR 2	WATERLOO	62298	IL
33-79-0841	WAWE DAIRY FARM	RR 1	WATERLOO	62298	IL
33-85-0522	HAROLD & CHRIS MCMILLEN		TOULON	61483	IL
33-85-0572	JOHN F MEYER	RR 1	TOULON	61483	IL
33-85-9710	DANA STEWART	RR 1	PRINCEVILLE	61559	IL
33-86-0115	W R ANGLE SR		DAKOTA	61018	IL
33-86-0116	RUEBEN BRINKMEIER		PEARL CITY	61062	IL
33-86-0147	HAROLD BLASING		LENA	61048	IL
33-86-0151	RALPH BUSEKROS	RR 4	FREEPORT	61032	IL
33-86-0153	JOHN E BABLER	RR1	ROCK CITY	61070	IL
33-86-0157	BONEBRIGHT AND HUTMACHER	RR 4	FREEPORT	61032	IL
33-86-0167	RICHARD BEYER AND BLOCK	RR 1	PEARL CITY	61062	IL
33-86-0171	DEAN CLAIR		LENA	61048	IL
33-86-0217	LARRY DAY & ED ENNENGA	RR 3	FREEPORT	61032	IL
33-86-0280	M FERNSTAEDT & BORCHERT	RR 3	FREEPORT	61032	IL
33-86-0311	ROBERT GRAYBILL	RR 3	FREEPORT	61032	IL
33-86-0313	REGINOLD GOEKE	RR 1	DAKOTA	61018	IL
33-86-0314	RONALD GEOKE	RR 1	RIDOTT	61067	IL
33-86-0340	LENARD CLARK AND MYERS		LENA	61048	IL
33-86-0349	ROBERT HEILMAN	RR 1	DAVIS	61019	IL
33-86-0362	ELWOOD HULL	RR 1	ROCK CITY	61070	IL
33-86-0411	JEPSON AND CARTER	RR 3	FREEPORT	61032	IL
33-86-0440	ROBERT KAISER	RR 1	DAKOTA	61018	IL
33-86-0443	SAM KLOEPPING		PEARL CITY	61062	IL
33-86-0449	RUSSELL KORTH	RR 3	FREEPORT	61032	IL
33-86-0510	ROBERT MARIAN	RR 1	ORANGEVILLE	61060	IL
33-86-0511	IVAN AND LOY MCCAULEY	RR 1	DAKOTA	61018	IL
33-86-0541	MERL NIEDERMEIER	RR 1	ROCK CITY	61070	IL
33-86-0542	WESLEY AND WAYNE NEWMAN	RR 2	ORANGEVILLE	61060	IL
33-86-0574	GAYLON AND GARY OBERT		DAKOTA	61018	IL
33-86-0612	MACOMBER FARM	RR 2	LENA	61048	IL
33-86-0614	HARRY PIEPER	RR 2	FREEPORT	61032	IL
33-86-0615	RONALD PRASSE	RR 4	FREEPORT	61032	IL
33-86-0682	MARGE AND WM REED	RR 1	ROCK CITY	61070	IL
33-86-0723	IVAN WISE	RR 1 ANDERLAND FMS	DAKOTA	61018	IL
33-86-0730	ROBERT WILD		WINSLOW	61089	IL
33-86-0841	DONALD WELLING	RR 1	DAKOTA	61018	IL
33-86-0847	WESLEY WESSELS		MCCONNELL	61050	IL
33-86-0851	KENNETH WILLIAMS	BOX 67	ELEROY	61027	IL
33-86-0856	GERALD WACHTER	RR 2	WINSLOW	61089	IL
33-86-0910	GLEN YEOMAN	RR 1	DAKOTA	61018	IL
33-86-0941	MRS GERTRUDE ZWEIFEL	RR 3	ORANGEVILLE	61060	IL
33-86-9110	WILLIAM ANGLE JR		DAKOTA	61018	IL
33-86-9141	RALPH BABLER	RR 1	DAKOTA	61018	IL
33-86-9146	FRED AND JERRY OBERT	RR 3	FREEPORT	61032	IL
33-86-9155	BOYD BOYER	BOX 79	KENT	61044	IL
33-86-9442	CARL R KELTNER	RR 3	PEARL CITY	61062	IL
33-87-0110	MELVIN ACKERMAN	RR 2	MORTON	61550	IL

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	. . . . A D D R E S S O F O W N E R . . . . STREET OR ROUTE	TOWN	ZIP-CODE	STATE
33-87-0242	DONALD EITENMILLER	RR 1	PEKIN	61554	IL
33-87-0511	WARREN MILLER	RR 2	PEKIN	61554	IL
33-87-0515	GEORGE MULLER	RR 1	WASHINGTON	61571	IL
33-87-0510	EUGENE PAPENHAUSE	RR 1	PEKIN	61554	IL
33-87-0717	C A SCHWEIGERT AND SONS	RP 1	TREMONT	61568	IL
33-87-0847	WILLIS E WAGLER AND SON	RR 1	PEKIN	61554	IL
33-92-0143	GILBERT BIGHAM AND SONS	BOX 17	PINCKNEYVILLE	62274	IL
33-92-0242	KENNETH EADE	RR 1	ADDIEVILLE	62214	IL
33-92-0447	KARG BROS	RR 2	COULTERVILLE	62237	IL
33-92-0471	EDDIE LACEY	RR 1	WALTONVILLE	62894	IL
33-92-0542	GEORGE NADOLSKI	RR 2	ASHLEY	62808	IL
33-92-0572	D OBERMEIER & D CAMPBELL	RR 1	HOYLETON	62803	IL
33-92-0942	JOHN ZIMMERMAN		COULTERVILLE	62237	IL
33-95-0112	JAMES AGGEN AND BULL	RR 1	MORRISON	61270	IL
33-95-0151	FRANK BELT	RR 2	MORRISON	61270	IL
33-95-0354	RICHARD HEITZLER	RR 2	PROPHETSTOWN	61277	IL
33-95-0440	OSCAR E KOENIG	EVERGREEN LAWN FM	TAMPICO	61283	IL
33-95-0470	DOUGLAS RHODES	RR 1	ROCK FALLS	61071	IL
33-95-0476	HERBERT LANDHEER	RR 1	LYNDON	61261	IL
33-95-0480	LEONARD LONG AND LONG	RR 1	STERLING	61081	IL
33-95-0570	BURCH AND WARD	RR 2	STERLING	61081	IL
33-96-0312	LARRY GORNEY	BOX 452	FRANKFORT	60423	IL
33-96-0340	MELVIN J HEISNER		PEOTONE	60468	IL
33-96-0343	WILLIAM C HANSEN	RR 2	JOLIET	60431	IL
33-96-0350	WILBERT LAUFFER		PEOTONE	60468	IL
33-96-0351	GLENN HOLMES	R R 1	PEOTONE	60468	IL
33-96-0352	KENNETH HEISNER		BEECHER	60401	IL
33-96-0443	LAVERN H KOEHN	RR 2	PEOTONE	60468	IL
33-96-0512	WILLIAM MEYER		PEOTONE	60468	IL
33-96-0518	WESLEY MEYER	RR 2	GRANT PARK	60940	IL
33-96-0512	JEROME R PECK AND SON	RR 2	PEOTONE	60468	IL
33-96-0720	REYNOLD SIEMSEN	RR 2	PEOTONE	60468	IL
33-96-0722	ROGER STOEVEN	RR 2	BEECHER	60401	IL
33-96-0310	VALY AND HOMERDING		FRANKFORT	60423	IL
33-98-0142	ARTHUR BRIDGELAND	RR 1	WINNEBAGO	61088	IL
33-98-0514	GEORGE MOATE		DURAND	61024	IL
33-98-0530	R MCCULLOCH & DONALDSON	RR 8	ROCKFORD	[illegible]	IL
33-98-0545	LELAND NYMAN	RR 1	DAVIS	61019	IL
33-98-0543	R MCCULLOCH & ROGER WARD	RR 8 BOX 404	ROCKFORD	[illegible]	IL
33-98-0615	PALMDALE FARM	BOX 167A	WINNEBAGO	61088	IL
33-98-0351	CLAIRE WILKE	RR 1	DAVIS	61019	IL
33-98-9170	W AND W CARLSON	RR 1	WINNEBAGO	61088	IL
33-98-9513	PINEHURST FARM		ROCKFORD	[illegible]	IL
33-99-0515	LESLIE O MORRIS	RR 2	EL PASO	61738	IL
33-99-0944	EARL ZIMMERMAN		EUREKA	61530	IL
34-03-0001	SEBRIGHT DONALD	R F D 1	MARTIN	49070	MI
34-03-0009	HOFFMASTER HAROLD"SONS	R 1	HOPKINS	49328	MI
34-03-0023	DENDEL JACK "WILFRED	R F D 5	ALLEGAN	49010	MI
34-03-0044	LETTINGA RALPH "AUGUST	R F D 1	WAYLAND	49348	MI
34-03-0050	VANRHEE JARVIS	R F D 3	ZEELAND	49464	MI
34-03-0053	COLLIER FRED AND SONS	R F D 5	ALLEGAN	49010	MI
34-03-0055	SMITH BASIL	R F D 2	ALLEGAN	49010	MI
34-03-0090	COOKE F CLIFFORD	R F D 1	DORR	49323	MI
34-03-0206	MILLER ORVIL	ROUTE 1	HOPKINS	49328	MI
34-03-0259	KAECHELE GLENN	R	WAYLAND	49348	MI
34-05-0005	SCOTT FLOYD	R F D	EAST JORDAN	49727	MI
34-08-0009	PENNOCK WAYNE " RODNEY	R F D 3	NASHVILLE	49073	MI
34-08-0014	WING PAUL	R F D 3	BELLEVUE	49021	MI
34-08-0025	JONES FLOYD	R F D 1	HICKORY CORNE	49060	MI
34-08-0029	BIVENS LA VERN	R F D 3	BELLEVUE	49021	MI
34-08-0045	CAIRNS CLARENCE	R F D 4	HASTINGS	49058	MI
34-08-0056	JARRARD WAYNARD	R F D 3	NASHVILLE	49073	MI
34-08-0079	LONG HUBERT	R F D 1	WOODLAND	48897	MI
34-08-0081	FISH JAMES	LOCKSHORE FARMS	HICKORY CORNE	49060	MI
34-08-0129	CURTIS ROBERT W	R F D 3	NASHVILLE	49073	MI
34-09-0041	SCHWAB HUGO + SONS	PINEVIEW RIDGE FAR	STANDISH	48658	MI
34-10-0005	BARBER CARL	R F D	EMPIRE	49630	MI
34-11-0051	HUDSON BROTHERS 2	R F D	BERRIEN CENTE	49102	MI
34-11-0067	BECK EARL AND SON	R 1 BOX 790 COVENE	BUCHANAN	49107	MI
34-11-0068	STRAUB DEAN"DOAN	R BOX 83 BUFFALO	GALIEN	49113	MI
34-11-0036	SHULER AND SONS	R F D	BARODA	49101	MI
34-11-0114	CLARK JOHN WILLIAM	R 1	GALIEN	49113	MI
34-11-0115	PAYNE ALBERT	RFD 1 CLEVELAND RD	GALIEN	49113	MI
34-11-0133	TOTZKE BUD	TOTZKE ROAD # 1	BARODA	49101	MI
34-11-0205	OTT ALVIN	6757 LINCOLN AVE	BARODA	49101	MI
34-12-0001	DUNKS SHELDON"NINA	RR 2 BOX 305 DUNKS	UNION CITY	49094	MI
34-12-0013	SHOOK HAROLD " STEPHEN	MAYLEE MANOR R 2	QUINCY	49082	MI
34-12-0064	OLNEY WAYNE	R F D 2	COLDWATER	49036	MI
34-12-0073	BOWERMAN EVERETT " ED	R F D	QUINCY	49082	MI
34-12-0527	COLLINS MICHAEL	R 1 COLLINS JERSEY	ORLAND	46776	IN
34-12-0535	BACHELOR MAX	ROUTE 3	ANGOLA	46703	IN
34-13-0005	LAKE"PIEPKOW FARMS INC	R 1	OLIVET	49076	MI
34-13-0015	GREEN ARCHIE	R F D 1	HOMER	49245	MI
34-13-0022	JOHNSON DONALD	R 1 BOX 216	EAST LEROY	49051	MI
34-13-0049	KNUTH RAY"SONS	R 3	HOMER	49245	MI

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP-CODE	STATE
		. . . . A D D R E S S	O F O W N E R		
34-13-0057	PATTON WILBUR " JOHN	R F D 1	ALBION	49224	MI
34-13-0115	HEISLER HAROLD " DUANE	ROUTE 2	SPRINGPORT	49284	MI
34-13-0143	HARRIS RONALD	16219 15 MI RD	MARSHALL	49068	MI
34-13-0153	LUTZ LEO	ROUTE 8 BOX 164	BATTLE CREEK	49017	MI
34-13-0163	SMITH L W FARM	19244 12 MILE ROAD	BATTLE CREEK	49014	MI
34-13-0191	DENSHAM WILLIAM L	ROUTE 1 BOX 177	CERESCO	49033	MI
34-13-0203	BALDWIN"BRIGHAM	R F D 1	LITCHFIELD	49252	MI
34-13-0263	PENNINGS JAKE E	ROUTE 1	CERESCO	49033	MI
34-13-0751	ORNS FRANK	R 1 BOX 191	CERESCO	49033	MI
34-14-0334	WALKER DONALD D	R 1	UNION	49130	MI
34-18-0175	REGER JUNIOR	RFD 2	CLARE	48617	MI
34-18-0191	LAPOE DICK	R 2	CLARE	48617	MI
34-18-0192	AYRIS ALLEN A	R 2	CLARE	48617	MI
34-19-0008	BORTON ROBERT"SONS	RT 4	LANSING	48900	MI
34-19-0016	ANDERSON DALE	R F D	ST JOHNS	48879	MI
34-19-0018	GREEN DUANE " VELMAR	R F D 3	ELSIE	48831	MI
34-19-0025	MEHNEY BRUCE	3251 WEST M 21	ST JOHNS	48879	MI
34-19-0081	JACKSON ERNEST	R F D 2	OVID	48866	MI
34-19-0083	BECKER JIM " JERRY	R 2 LAWEDA FARMS	ST JOHNS	48879	MI
34-19-0100	ORMSTON FRANK " LEE	ROUTE 5	ST JOHNS	48879	MI
34-19-0104	SMITH GEORGE	RFD 5	ST JOHNS	48879	MI
34-19-0106	DELAMATER ED	R F D 3	GRAND LEDGE	48837	MI
34-19-0107	MAYERS WILLIAM	R F D 2 WALKER ROA	ST JOHNS	48879	MI
34-19-0126	WITT DONALD AND SON	R 4	ST JOHNS	48879	MI
34-19-0156	THELEN DENNIS J	ROUTE 4 PRATT ROAD	ST JOHNS	48879	MI
34-19-0189	WING JOSEPH	RFD 1	ST JOHNS	48879	MI
34-22-0001	WENDER HENRY	R F D	IRON MOUNTAIN	49801	MI
34-23-0015	WILMORE LOREN	R F D 5	CHARLOTTE	48813	MI
34-23-0073	COATS GARY	MILLER DAIRY FARM	EATON RAPIDS	48827	MI
34-23-0096	PARR C H " C R	ROUTE 1	CHARLOTTE	48813	MI
34-23-0154	LEE JAMES	RFD 2	GRAND LEDGE	48837	MI
34-23-0180	MORRIS JONNIE	R F D 1	VERMONTVILLE	49096	MI
34-23-0217	CLARK HENRY O	5855 SPICERVILLE H	EATON RAPIDS	48827	MI
34-23-0593	ROGERS NEAL	ROUTE 1	EATON RAPIDS	48827	MI
34-25-0001	OLSON + PETHERBRIDGE	10486 THAYER RD	ORTONVILLE	48462	MI
34-25-0003	PIERSON DOUGLAS	10137 DUTCH RD	GOODRICH	48438	MI
34-25-0035	ATHERTON FRANK	RFD 1 10400 SMITH	GAINES	48436	MI
34-25-0049	SHEPARD DONALD	13171 TELLING RD	BYRON	48418	MI
34-25-0059	MILES W	8343 NICHOLSON RD	FOWLERVILLE	48836	MI
34-25-0074	POTTER HOWARD " SON	4210 S GENESEE	GRAND BLANC	48439	MI
34-25-0084	BLOSS F D	8370 W REID ROAD	SWARTZ CREEK	48473	MI
34-25-0097	PINKSTON BLAINE H	BALDWIN RD	SWARTZ CREEK	48473	MI
34-25-0117	BURROUGHS GEORGE	2151 W COOK	GRAND BLANC	48439	MI
34-25-0199	DAVIS FLOYD	11404 MT MORRIS	FLUSHING	48433	MI
34-29-0018	WILSON CARLTON	R F D	CARSON CITY	48811	MI
34-29-0032	CARY CHARLES	R F D 3	ALMA	48801	MI
34-29-0036	BOTT ROBERT"SONS	RFD BOTTHAVEN FARM	BRECKENRIDGE	48615	MI
34-29-0112	TROUB LELAND	ROUTE 2	CARSON CITY	48811	MI
34-29-0133	KRETZSCHMAR HENRY	R F D 2	ST LOUIS	48880	MI
34-29-0407	MIKEK STEVE " SONS	RFD 1 9119 BALDWIN	ST LOUIS	48880	MI
34-30-0004	WELLS ALVIN J	R F D	NORTH ADAMS	49262	MI
34-30-0018	TROTT M E " J A	759 ABBOT ROAD R	READING	49274	MI
34-30-0048	BROWN KEITH NO 1	R F D	JONESVILLE	49250	MI
34-30-0119	BURKHART DONALD	RT 2 DAY ROAD	PITTSFORD	49271	MI
34-30-0163	KEIL DELMER	671 BILBY ROAD	JEROME	49249	MI
34-30-0174	GODFREY WALLACE " SON	R F D 1	JONESVILLE	49250	MI
34-30-0195	LA FOLLETTE DONALD	ROUTE 2	PITTSFORD	49271	MI
34-30-0202	PATRICK LAWRENCE	RFD 2	PITTSFORD	49271	MI
34-30-0336	EMENS VIRGIL AND SON	R 1	ALVORDTON	43501	OH
34-30-0748	BROWN KEITH NO 2	505 HOUSENECHT	JONESVILLE	49250	MI
34-30-0783	AMES RICHARD	R 3 BEECHER RD	HUDSON	49247	MI
34-32-0004	KRAUSS R E " GREGORY F	360 EAST ST	SEBEWAING	48759	MI
34-32-0019	HEWITT HENRY D"SON	4317 PIGEON RD	ELKTON	48731	MI
34-32-0021	PANGBORN ALBERT	R F D 4	BAD AXE	48413	MI
34-32-0057	GORKOWSKI PETER	R F D 3	BAD AXE	48413	MI
34-32-0067	NUGENT GARY	R F D	BAD AXE	48413	MI
34-32-0088	PROTZMAN BRUCE D	R F D	CASEVILLE	48725	MI
34-32-0092	BUCHHOLZ RICHARD	R	PIGEON	48755	MI
34-32-0102	GREMEL HAROLD JR	9393 CANBORO	SEBEWAING	48759	MI
34-32-0104	HEWITT HAROLD J " SONS	R 1	BAD AXE	48413	MI
34-32-0272	BAUR BRUCE	RFD	BAY PORT	48720	MI
34-32-0303	BAUR GEORGE	R F D	BAY PORT	48720	MI
34-33-0002	M S U DAIRY DEPT		EAST LANSING	48823	MI
34-33-0011	DIAMOND WILLIAM	R F D 2	MASON	48854	MI
34-33-0019	LOTT MARVIN	RT 4	MASON	48854	MI
34-33-0027	COVERT GEOPGEORMAHLON	R 1	LESLIE	49251	MI
34-33-0040	GRAF FRED	R F D	STOCKBRIDGE	49285	MI
34-33-0047	WILSON LEWIS	RT 3	MASON	48854	MI
34-33-0057	CHAMBERLAIN R D	RFD 4	LESLIE	49251	MI
34-33-0068	DEEG BRUCE	ROUTE 1	MASON	48854	MI
34-33-0074	ELDRED LAVERN	R F D 1	LESLIE	49251	MI
34-33-0121	SHAW DOUGLAS B	1826 ROLF RD	MASON	48854	MI
34-33-0125	WILCOX WAYNE"DONNA	R 1 WAVERLY HILL	EATON RAPIDS	48827	MI
34-33-0160	JORGENSEN JERRY	R F D	WEBBERVILLE	48892	MI
34-33-0175	KAY W"STOFER MELVIN	R F D 1	WILLIAMSTON	48895	MI

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	. . . . ADDRESS OF OWNER . . . STREET OR ROUTE	TOWN	ZIP-CODE	STATE
34-33-0225	MCCALLA FRANK	1694 DANSVILLE RD	MASON	48854	MI
34-33-0232	DOUGLAS DON	R F D 1	WEBBERVILLE	48892	MI
34-33-0251	SMITH NANCY R	RT 3 BOX 25	WILLIAMSTON	48895	MI
34-33-0331	MINNIS CARL	HOWELL RD	WEBBERVILLE	48892	MI
34-33-0906	NIMS LYNWOOD	R1 MERIDIAN	LESLIE MICH	49251	MI
34-34-0038	HUNSBERGER LYLE	RT 3	IONIA	48846	MI
34-34-0046	BELAND HENRY " DALLAS	R 1	LAKE ODESSA	48849	MI
34-34-0056	ARMSTRONG TED	R F D 3	LAKE ODESSA	48849	MI
34-34-0115	JANES ROBERT L	R R 2	IONIA	48846	MI
34-34-0126	GASPER LEWIS AND SON	R F D 1	BELDING	48809	MI
34-34-0152	WALKINGTON BRUCE	R F D 3	LAKE ODESSA	48849	MI
34-34-0581	BUTH AND RIESBIG	1510 NICKLE PLATE	IONIA	48846	MI
34-35-0003	CURRY WALDO	R F D 1	TAWAS CITY	48763	MI
34-37-0004	STEVENS JOSEPH"SON	R F D 1	MT PLEASANT	48858	MI
34-37-0011	CARY DANIEL	R F D 1	COLEMAN	48618	MI
34-37-0018	RECKER ROBERT	R F D 3	SHEPHERD	48883	MI
34-37-0062	MOEGGENBERG VINCENT	R F D 3	SHERHERD	48883	MI
34-37-0216	THIELEN DONALD	VANDECAR ROAD	MT RLEASANT	48858	MI
34-38-0015	SANFORD WILLARD	R F D 1	PARMA	49269	MI
34-38-0027	CLARK CONRAD G	ROUTE 1	SPRINGPORT	49284	MI
34-38-0076	MICH STATE PRISON	ATTN DAIRY FARM SU	JACKSON	49201	MI
34-38-0101	CARSON AND SEIFERT	8560 FAY LAKE RD	BROOKLYN	49230	MI
34-38-0213	DUNBAR RG1 AT RISNER G	11727 HARDCASTLE R	BROOKLYN	49230	MI
34-39-0004	KIRKLIN DALE	RFD 3	KALAMAZOO	49001	MI
34-39-0014	FRENCH NORMAN	10004 W MICHIGAN A	KALAMAZOO	49001	MI
34-39-0028	FROST WILLARD	R F D 1	FULTON	49052	MI
34-39-0030	RETERSON EDWARD	R F D 8	KALAMAZOO	49001	MI
34-39-0042	W K KELLOGG FARM	R F D 1	HICKORY CORNE	49060	MI
34-39-0107	MEIER JOHN W	8682 S 36 ST	SCOTTS	49088	MI
34-39-0119	HORSFALL STANLEY	R F D 1	SCOTTS	49088	MI
34-39-0336	BLANCHARD RICHARD D	5750 W B AVE RFD 1	PLAINWELL	49080	MI
34-41-0001	SMITH E " GOOD JERRY	MED O BLOOM FARMS	CALEDONIA	49316	MI
34-41-0010	FUSS PAUL	14024 68 TH ST R 2	ALTO	49302	MI
34-41-0014	ROTH ALLEN	C/O A RUTH	LOWELL	49331	MI
34-41-0043	GOLDNER VIRGIL	RR 2	ROCKFORD	49341	MI
34-41-0068	WIERSMA F"ALVERSON C	10472 EASTERN AVE	WAYLAND	49348	MI
34-41-0079	MEYER DEWEY"SONS	ROD ER DIC FARM R	BYRON CENTER	49315	MI
34-41-0142	WILLCOME CLARENCE	5675 GREELEY RD	ROCKFORD	49341	MI
34-41-0171	ANDERSON WALT AND DON	TRUMAN AVE ROUTE	KENT CITY	49330	MI
34-41-0181	LAMOREAUX ROBERT	R R 3	BELDING	48809	MI
34-41-0196	ANDERSON RUSSELL	SILVERSIDE FMS R 2	KENT CITY	49330	MI
34-41-0208	BAIRD ALLEN " BRUCE	BOX 58 RFD 1	LOWELL	49331	MI
34-44-0017	DOHERTY FRANCIS	R	BROWN CITY	48416	MI
34-44-0119	VESELY GENE APACHE	904 MORRIS RD RANC	LAPEER	48446	MI
34-44-0190	LUDWIG BILL	4652 LUM RD	LUM	48452	MI
34-44-0234	BURLEY LLOYD N " SON	4431 PIERSONVILLE	COLUMBIAVILLE	48421	MI
34-44-0270	WILLIAMS THOMAS M	5671 CADE RD	BROWN CITY	48416	MI
34-44-0284	GRAHAM MARTIN	3005 GAILBRAITH LN	BROWN CITY	48416	MI
34-44-0860	GINGELL NEWELL " SONS	6277 GOSLINE RD	BROWN CITY	48416	MI
34-46-0005	HART W P	HARTLAND FARMS	CLAYTON	49235	MI
34-46-0066	CARNAHAN CLARE	R F D 4	ADRIAN	49221	MI
34-46-0072	EMMONS KEN " ROGER	R F D 2	MORENCI	49256	MI
34-46-0085	RUESINK LLOYD AND SON	R F D 3	ADRIAN	49221	MI
34-46-0086	RUSSELL ROLAND	R F D 16	ADRIAN	49221	MI
34-46-0108	SQUIRES L JAMES	8447 RIDGE HIGHWAY	BRITTON	49229	MI
34-46-0111	BROOKS ALTON " SON	R F D	ONSTED	49265	MI
34-46-0132	WOLF HAROLD " ROGER	RFD 2	MORENCI	49256	MI
34-46-0133	BEHM WILLARD	R 1 ENG AMER FARM	ADRIAN	49221	MI
34-46-0190	LONG HERB " SONS	R F D 2	TECUMSEH	49286	MI
34-46-0231	HARDY RAYNOR	R F D	TIPTON	49287	MI
34-46-0459	REISTER ARNOLD " SONS	7655 ELLIOT HWY	SAND CREEK	49279	MI
34-46-0487	BLEICH RANDY	R 1	HUDSON	49247	MI
34-46-0520	HART PHILLIR L	1580 HUGHES HWY	CLAYTON	49235	MI
34-47-0014	RUTTMAN FRANK ROBERT	R 3 LONG CREEK FAR	FOWLERVILLE	48836	MI
34-47-0055	ROBB GEORGE	R F D 1	FOWLERVILLE	48836	MI
34-47-0071	PECKENS KENNETH	R F D 4	HOWELL	48843	MI
34-47-0135	WESSINGER FRANCIS	R	HOWELL	48843	MI
34-47-0553	PICHAN E G	4442 BYRON ROAD	HOWELL	48843	MI
34-49-0004	FUERSTENAU GORDEN"	RFD 1	RICHMOND	48062	MI
34-49-0006	KUCHENMEISTER WILBUR	62250 NEW HAVEN RD	NEW HAVEN	48048	MI
34-49-0016	HOUGH CHARLES	7480 37 MILE 9	ROMEO	48065	MI
34-49-0027	HARTWAY KEN	R F D 3	RICHMOND	48062	MI
34-49-0076	COLBY HOWARD H	COLBYDALE FARMS	ROMEO	48065	MI
34-52-0001	ST HOUSE OF CORRECTION	BOX 779	MARQUETTE	49855	MI
34-53-0001	WOOD MERLE	RFD 1 WILSON RD	SCOTTVILLE	49454	MI
34-53-0004	PLEINESS WM " HARLAN	R F D 1	SCOTTVILLE	49454	MI
34-53-0008	SCHWASS CARL AND JAMES	R 1	SCOTTVILLE	49454	MI
34-53-0010	BRETSCHNEIDER C"SONS	RT 2	LUDINGTON	49431	MI
34-53-0013	THUROW ROBERT	RT 1	SCOTTVILLE	49454	MI
34-53-0030	EDEL MICHAEL	R 2 BOX 425	SCOTTVILLE	49454	MI
34-53-0052	CREGG HARRIS"SON	R F D 2	SCOTTVILLE	49454	MI
34-54-0001	HATFIELD FARMS	R F D 1	REMUS	49340	MI
34-54-0006	BOYD KENT	R F D 1	HERSEY	49639	MI
34-54-0015	ARRELGREEN MARTIN	RT 2	BIG RAPIDS	49307	MI
34-54-0066	THOMPSON ROY	RFD	MECOSTA	49332	MI

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	. . . . A D D R E S S O F O W N E R . . . . STREET OR ROUTE	TOWN	ZIP-CODE	STATE
34-55-0007	BENSON KENNETH	R F D	POWERS	49874	MI
34-55-0068	GRINSTEINER FRANK	R F D	STEPHENSON	49887	MI
34-56-0042	HOYT RON"GLEN	R 3	ST LOUIS	48880	MI
34-57-0029	SCHUTTE RICHARD " SONS	ROUTE 2	MCBAIN	49657	MI
34-57-0277	STROTH WILLIAM F	R F D	MCBAIN	49657	MI
34-58-0035	ST MARYS FARM	R F D 2	MONROE	48161	MI
34-58-0040	VAN BUSKIRK JAMES	1104 SIGLER RD R	CARLETON	48117	MI
34-58-0072	JOHNSON BROTHERS	3303 DUNBAR RD RT1	MONROE	48161	MI
34-59-0002	BATY MAX	R 1	CORAL	49322	MI
34-59-0007	GREENHOE HAROLD	R F D 1	CARSON CITY	48811	MI
34-59-0089	BOOMER DICK	R F D 1	LAKEVIEW	48850	MI
34-61-0001	NELSON DAVID M	RT 1	MONTAGUE	49437	MI
34-61-0005	HARRIS BYRON	RFD	RAVENNA	49451	MI
34-61-0052	HECKSEL ELMER	54205 RAVENNA RD	RAVENNA	49451	MI
34-62-0003	KEMPF MAX " TOM	R F D 3	FREMONT	49412	MI
34-62-0005	GRABILL COLLIN	R 2	GRANT	49327	MI
34-62-0021	WESTENFELDER REGINALD	RFD 2	FREMONT	49412	MI
34-62-0034	JOHNSON BLAINE	ROUTE 2	HESPERIA	49421	MI
34-62-0511	STROVEN KEN J	R 2	FREMONT	49412	MI
34-62-0516	SEYFERTH JAMES	4943 S CROSWELL R1	FREMONT	49412	MI
34-62-0542	KAMER DONALD	R 2	GRANT	49327	MI
34-63-0016	LONG G CARLOS"DOUG	R 2	CLAYTON	49235	MI
34-63-0033	MIDDLETON WM AND TOM	650 HURD RD	ORTONVILLE	48462	MI
34-63-0048	SMITH RALPH E	4925 SAW MILL LAKE	ORTONVILLE	48462	MI
34-63-0078	CRAWFORD CARLTON	2535 SOUTH HILL RD	MILFORD	48042	MI
34-63-0148	COOK PAUL	2021 SEYMOUR LAKE	ORTONVILLE	48462	MI
34-63-0373	COOK JOHN M	2950 SEYMOUR LAKE	ORTONVILLE	48462	MI
34-64-0070	VANGUNST WENDELL	R F D 1	NEW ERA	49446	MI
34-65-0003	ERICKSON GEORGE	R F D	WHITTMORE	48770	MI
34-67-0024	MORGAN JOHN NO I	R F D	SEARS	49679	MI
34-67-0267	CLARK CLYDE	RFD 1	SEARS	49679	MI
34-67-0356	CLARK LARRY	R 2 CLYDAL FARM	SEARS	49679	MI
34-70-0002	BUTH GERRITT J	RFD	COOPERSVILLE	49404	MI
34-70-0037	MODDERMAN HENRY	R 2 RIVERDALE FARM	MARNE	49435	MI
34-70-0053	POEST GERALD	R F D 1	ZEELAND	49464	MI
34-70-0104	ZANDSTRA STUART	RFD 2	BYRON CENTER	49315	MI
34-70-0116	SCHREUR GORDON	ROUTE 3	ZEELAND	49464	MI
34-70-0123	BAKER HENRY	R F D 1	BYRON CENTER	49315	MI
34-70-0132	HECKSEL OSCAR " SON	R F D	COOPERSVILLE	49404	MI
34-70-0186	BOSCH JOHANNES " SON	ROUTE 1	ZEELAND	49464	MI
34-70-0238	SPRIENSMA THOMES	SWEET HOME FARM R1	GRANDVILLE	49418	MI
34-70-0240	STERKEN LEON	10720 JAMES ST -	ZEELAND	49464	MI
34-70-0245	LANDHEER GEORGE	ROUTE 1	BYRON CENTER	49315	MI
34-70-0257	MESBERGEN LAWRENCE	ROUTE 4	HUDSONVILLE	49426	MI
34-70-0300	ROBERTS GEORGE DANIEL	RFD 1	DORR	49323	MI
34-70-0354	ARENDS MATT	18175 56TH AVE RFD	COOPERVILLE	49404	MI
34-70-0528	FRAAZA JOHN JERRY"LYLE	ROUTE 2	ZEELAND	49464	MI
34-73-0001	WARDIN BROTHERS	RT 2	HEMLOCK	48626	MI
34-73-0003	WATSON WARREN	RT 1	HEMLOCK	48626	MI
34-73-0008	GOODMAN EDWIN H	R F D 2	HEMLOCK	48626	MI
34-73-0011	TURNER WILLIAM	RT 1	HEMLOCK	48626	MI
34-73-0018	BALLIEN VERNON	RT 1	HEMLOCK	48626	MI
34-73-0062	FRAHM RALPH AND WALTER	ELMWOOD FARM	FRANKENMUTH	48734	MI
34-73-0145	WEISENBERGER EUGENE	4214 DITCH RD	NEW LOTHROP	48460	MI
34-74-0005	DALE FLOYD AND DONALD	R F D 3	MARLETTE	40453	MI
34-74-0015	HEBERLING PAUL	R F D	CARSONVILLE	48419	MI
34-74-0087	NESBITT GEORGE " BILL	R F D	SANDUSKY	48471	MI
34-74-0113	WIDDOWS WINSTON	R F D	SNOVER	48472	MI
34-74-0114	CUMPER DUDLEY " SONS	R F D 1	MARLETTE	48453	MI
34-74-0140	DAVIS ALLAN M	CLAY ACRES FARM R	SANDUSKY	48471	MI
34-74-0161	BEAVER ROBERT	R F D	DECKERVILLE	48427	MI
34-74-0167	CHARD DON	RFD	SNOVER	48472	MI
34-74-0172	CRIPPS PHILLIP	R	PALMS	46465	MI
34-74-0192	GROUT ARNOLD	RFD 2	CROSWELL	48422	MI
34-74-0298	BARBER HAROLD"SONS	R	PECK	48466	MI
34-74-0312	KRITZMAN DEAN	R F D	DECKERVILLE	48427	MI
34-74-0359	COOK CHARLES E	RFD	SANDUSKY	48471	MI
34-74-0440	KAUFMAN JACK L	RFD 1	SANDUSKY	48471	MI
34-74-0805	FIERKE BROTHERS	5622 RIDGE ROAD	PALMS	48465	MI
34-74-0812	DEMARAY FRANK " ROBERT	680 BURNS LINE RD	MELVIN	48454	MI
34-74-0893	CAISTER ROBERT " JAMES	852 SO VANDYKE ROA	MARLETTE	48453	MI
34-74-2022	HASSLER TERRY	494 E SNOVER RD	SANDUSKY	48471	MI
34-76-0005	PARDONNET " HAUGHTON	6801 E WILKINSON R	CORUNNA	48817	MI
34-76-0015	SPIKE CYRIL DR	R F D 3	OWOSSO	48867	MI
34-76-0024	KOERNER FLOYD JR	R F D 2	LAINGSBURG	48848	MI
34-76-0025	RUESS CLARENCE"DELANE	RUESS ACRES FARM	OWOSSO	48867	MI
34-76-0048	CHAMBERLIN H"R	R F D 2	OWOSSO	48867	MI
34-76-0053	BRAID ROBERT	R F D 1	DURAND	48429	MI
34-76-0057	SILVA DICK	R F D 2	CORUNNA	48817	MI
34-76-0061	ROCK LLOYD RICHARD	R F D 1	CORUNNA	48817	MI
34-76-0132	DUNCAN EMERSON	R F C 2	DURAND	48429	MI
34-76-0134	HACKNEY J F	P F D 2	DURAND	48429	MI
34-76-0140	COFFEY DARELL	ROUTE I	BRYON	48418	MI
34-76-0153	WARREN TED"SON	5461 GRAND RIVER	BANCROFT	48414	MI
34-76-0710	PLACE LAURENCE"SANDRA	POST OFFICE BOX 29	PERRY	48872	MI

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	. . . . A D D R E S S O F O W N E R . . . . STREET OR ROUTE	TOWN	ZIP-CODE	STATE
34-77-0005	STEUVER ALFRED	LYNN ISLAND FARM R	CAPAC	48014	MI
34-77-0011	GRAYBIEL MAX	15630 BOWERS RD	CAPAC	48014	MI
34-77-0091	LAMMEROIN AUGUST	ELM VIEW FARM R 2	MARINE CITY	48039	MI
34-77-0115	LAUWERS DICK	3148 HARVEY RD	CAPAC	48014	MI
34-77-0172	LONDON MAX	LONDON DAIRY FARM	NORTH STREET	48049	MI
34-77-0180	CRAWFORD DOUGLAS	R F D	NORTH STREET	48049	MI
34-77-0185	BROWN RONALD E	5954 CONNELL RD	YALE	48097	MI
34-78-0001	GLEASON HENRY " JAMES	R F D 4	THREE RIVERS	49093	MI
34-78-0014	SCHMIDT EUGENE	R F D 1	MENDON	49072	MI
34-78-0046	ROCKELEIN JOE	R F D 1	LEONIDAS	49066	MI
34-78-0121	MISHLER ERVIN	R F D 1	STURGIS	49091	MI
34-78-0137	DAVIS EDWARD	R F D	LEONIDAS	49066	MI
34-79-0021	HAMPSHIRE RONALD	R F D 1	DEFORD	48729	MI
34-79-0194	DELONG DONALD " SONS	RFD 3	CASS CITY	48726	MI
34-80-0008	VERNON"WILKINSON	R 5	DOWAGIAC	49047	MI
34-80-0012	SPENCER LAWRENCE	R F D 1	LAWTON	49065	MI
34-80-0015	GARROD FRED	R F D	LAWRENCE	49064	MI
34-80-0051	VANHORN GEORGE"ALLEN	R 1 BOX IC1&IC2	BLOOMINGDALE	49026	MI
34-81-0012	MACOMBER GEORGE"SONS	8720 SHARON HOLLOW	MANCHESTER	48158	MI
34-81-0014	BURMEISTER LEONARD	5575 STEINBACK RD	ANN ARBOR	48103	MI
34-81-0024	SPIKE LOWELL " PETER	3260 SHARON HOLLOW	MANCHESTER	48158	MI
34-81-0030	TAYLOR PAUL	7158 NOBLE RD	SALINE	48175	MI
34-81-0074	GORDON DAVID"PHILIP	4620 WILLOW RD	SALINE	48176	MI
34-81-0148	ROUSTER ELLERY " JOHN	15261 GRASS LK RD	GRASS LAKE	49240	MI
34-81-0534	KAZMINSKI IKE	4695 PECKINS ROAD	CHELSEA	48118	MI
34-81-0718	BRISTLE STEPHEN E	R 1	MANCHESTER	48158	MI
34-82-0005	BUDD JACK R	42510 EXPRESSWAY	BELLEVILLE	48111	MI
34-84-0001	EMMONS ANSELL AND SON	R F D 2	FAYETTE	43521	OH
34-84-0043	SARVER BEN	COUNTY ROAD 11	PIONEER	43554	OH
35-01-0002	RAY E RODGER	THE RODGER ROOST	OXFORD	53952	WI
35-01-0010	STANLEY HUBER AND SON		OXFORD	53952	WI
35-01-0011	LEROY HEITMAN		FRIENDSHIP	53934	WI
35-02-0013	RICHARD KRETZSCHMAR		MELLEN	54546	WI
35-02-0016	EDWARD BROENIMAN	ROUTE 1 BOX 127	HIGH BRIDGE	54846	WI
35-03-0007	LOREN HENNEKENS		RICE LAKE	54868	WI
35-03-0008	WAYNE AND JERRY MASSIE	BOX 131 ROUTE 3	CHETEK	54728	WI
35-03-0026	HERMAN & GERALD SEVERSON		CAMERON	54822	WI
35-03-0035	DARYL ALEXANDER		RICE LAKE	54868	WI
35-03-0038	FREEMAN L HANSON		CHETEK	54728	WI
35-03-0049	ELMOKA FARM		BARRON	54812	WI
35-03-0051	KENNETH & ROBERT GONSKE		RICE LAKE	54868	WI
35-03-0053	HARLEY BARFKNECHT		RICE LAKE	54868	WI
35-03-0067	JOHN L BECKER		CUMBERLAND	54829	WI
35-03-0072	LESTER A POULTER	ROUTE 1	CUMBERLAND	54822	WI
35-03-0080	RAYMOND OVERBY		CHETEK	54728	WI
35-03-0085	SCHUTZHOLM FARM		DALLAS	54733	WI
35-03-0101	ERLAND H ANDERSON	ROUTE 2	RICE LAKE	54868	WI
35-03-0112	MARVIN TORGERSON		COMSTOCK	54826	WI
35-03-0121	DELBERT BULLER		ALMENA	54805	WI
35-03-0124	MARVIN PAULSON		CUMBERLAND	54829	WI
35-03-0133	WALTER ZEMKE		CLAYTON	54004	WI
35-03-0136	BERT ZEMKE		PR FARM	54762	WI
35-03-0145	FLOYD NIELSEN		CUMBERLAND	54829	WI
35-03-0146	ROBERT PENBERTHY	ROUTE I	ALMENA	54805	WI
35-03-0165	EDMUND THOME	ROUTE 2	RICE LAKE	54868	WI
35-03-0167	ROBERT KOEPP & R SMITH	RURAL ROUTE	RICE LAKE	54868	WI
35-03-0346	CLARENCE WATRUD	ROUTE 2	CLAYTON	54004	WI
35-03-0349	W HERBERT MELBYE	ROUTE 1	CAMERON	54822	WI
35-03-0358	ROY RIEBE SR		CUMBERLAND	54829	WI
35-03-0389	HARRIS KAHL	GARY KAHL	RIDGELAND	54763	WI
35-03-0422	DON MILLER		DALLAS	54733	WI
35-03-0507	REUBEN KRINGLE	ROUTE 2	BARRON	54812	WI
35-03-0588	HARVEY JENSEN & SON	ROUTE 4 BOX 120	RIVER FALLS	54022	WI
35-04-0018	U W EXPERIMENTAL FARM		ASHLAND	54806	WI
35-05-0004	JULIAN ROMUALD	ROUTE 1	NEW FRANKEN	54229	WI
35-05-0008	DON ZITTLOW	ROUTE 1	W DE PERE	54178	WI
35-05-0030	RICHARD DUQUAINE	ROUTE 1	NEW FRANKEN	54229	WI
35-05-0037	WIS STATE REFORMATORY	BOX WR	GREEN BAY	54305	WI
35-05-0047	ROBERT & DAN NATZKE	ROUTE 1	GREENLEAF	54126	WI
35-05-0048	JAMES HOSKENS	RR 2	DE PERE	54115	WI
35-05-0057	ROBERT J JANSSEN	ROUTE 2	DE PERE	54115	WI
35-05-0060	ROLAND NATZKE	ROUTE 2	DE PERE	54115	WI
35-05-0061	JOHN TAUSCHER	ROUTE 5	GREEN BAY	54305	WI
35-05-0063	M E DAVIS JR	868 E ST FRANCS	DE PERE	54115	WI
35-05-0068	ROCKYVALE FARMS	ROUTE 1	W DE PERE	54178	WI
35-05-0069	ELMER SMITS	ROUTE 1	ONEIDA	54155	WI
35-05-0074	ANDREW ROSEK	ROUTE 3	DENMARK	54208	WI
35-05-0079	FRANK BIALOZYNSKI	ROUTE 2	PULASKI	54162	WI
35-05-0086	EARL BRITTNACHER	ROUTE 1	GREENLEAF	54126	WI
35-05-0088	MORRIS CAVIL	ROUTE 1	W DE PERE	54178	WI
35-05-0091	TOM DINY	ROUTE I	GREENLEAF	54126	WI
35-05-0114	CLARNC & CARL VANDERVERE	ROUTE 4	GREEN BAY	54305	WI
35-05-0441	PINEY AYR FM-L E SCHMIDT	ROUTE I	GREENLEAF	54126	WI
35-06-0002	MERLIN HAEUSER	ROUTE 1	COCHRANE	54622	WI
35-06-0006	DOUBLE J FARM	ROUTE 2	MONDOVI	54755	WI

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	. . . . ADDRESS OF OWNER . . . . STREET OR ROUTE	TOWN	ZIP-CODE	STATE
35-06-0009	DELMAR H PLANK	ROUTE 1	ALMA	54610	WI
35-06-0012	DUTEE SEYFORTH	ROUTE 1	MONDOVI	54755	WI
35-06-0028	MARVIN & KEN PASSOW	ROUTE 3	MONDOVI	54755	WI
35-06-0029	HELMER & CYRIL MYREN	ROUTE 1	NELSON	54756	WI
35-06-0053	ROBERT SCHMIDTKNECHT	ROUTE 1	COCHRANE	54622	WI
35-06-0149	BERNARD SCHMIDTKNECHT	ROUTE 4	MONDOVI	54755	WI
35-06-0165	LOREN WOLFE	RURAL ROUTE	COCHRANE	54622	WI
35-07-0004	JURIS PLESUMS	ROUTE 1 BOX 69	SPOONER	54801	WI
35-07-0010	JAMES GLOVER JR		GRANTSBURG	54840	WI
35-07-0064	WAYNE W PICKNELL	ROUTE 2	WEBSTER	54893	WI
35-08-0014	JOSEPH H JUCKEM JR	ROUTE 1	CHILTON	53014	WI
35-08-0021	JOHN W BEHNKE	ROUTE 1	HILBERT	54129	WI
35-08-0027	LEONARD WOELFEL	ROUTE 1	HILBERT	54129	WI
35-08-0033	ELDER GILBERTSON	ROUTE 3	KAUKAUNA	54130	WI
35-08-0035	JOSEPH M MIRSBERGER	ROUTE 2	HILBERT	54129	WI
35-08-0043	DONALD SCHNELL	ROUTE 1	BRILLION	54110	WI
35-08-0045	REUBEN OTT AND SONS	ROUTE 2	HILBERT	54129	WI
35-08-0048	WALTER J SCHNEIDER	ROUTE 2	KIEL	53042	WI
35-08-0050	HENRY JUCKEM	ROUTE 1	HILBERT	54129	WI
35-08-0059	OSCAR HEDRICH JR	ROUTE 1	BRILLION	54110	WI
35-08-0073	GERALD GEISER	ROUTE 2	HILBERT	54129	WI
35-08-0076	WILLIAM SCHOLZ	ROUTE 1	HILBERT	54129	WI
35-08-0096	VAN TREECK BROS	ROUTE 4	KAUKAUNA	54130	WI
35-08-0101	KENLEY KRUEGER	ROUTE 1	BRILLION	54110	WI
35-08-0103	BERNARD F GEISER	ROUTE 4	CHILTON	53014	WI
35-08-0104	HUEBNER BROS	ROUTE 1	BRILLION	54110	WI
35-08-0249	OSCAR BOELTER	ROUTE 1	HILBERT	54129	WI
35-09-0004	OSCAR SOLBERG & SONS	ROUTE 2	ELK MOUND	54739	WI
35-09-0006	HARLEY BLODGETT	ROUTE 2	EAU CLAIRE	54701	WI
35-09-0010	NO. WIS COL & TRG SCH		CHIPPEWA FLS	54729	WI
35-09-0023	EMIL WESENBERG	ROUTE 3	CHIPPEWA FLS	54729	WI
35-09-0028	LEONARD PECK	ROUTE 1 BOX 285	CHIPPEWA FLS	54729	WI
35-09-0033	CHIPPEWA CO HOSPITAL	BOX 68	CHIPPEWA FLS	54729	WI
35-09-0035	ARNOLD BUCHNER	ROUTE 2	BLOOMER	54724	WI
35-09-0041	R SAMPLAWSKI-R BLANCHETT	ROUTE 1	STANLEY	54768	WI
35-09-0045	WILLIAM WEBER	ROUTE 1	BLOOMER	54724	WI
35-09-0047	LLOYD BENSON	ROUTE 3	COLFAX	54730	WI
35-09-0054	WAYNE DANIELSON	ROUTE 1	CADOTT	54727	WI
35-09-0060	ROGER KRESSIN	ROUTE 2 BOX 8	CHIPPEWA FLS	54729	WI
35-09-0067	HOWARD ROYCRAFT JR	ROUTE 4 BOX 362	CHIPPEWA FLS	54729	WI
35-09-0076	DON MULLEN	ROUTE 3	BLOOMER	54724	WI
35-09-0078	HARLAND DANIELSON	ROUTE 1	CADOTT	54727	WI
35-09-0079	BERNARD DANIELSON	ROUTE 1	CADOTT	54727	WI
35-09-0113	VALLEY BEAU FARMS INC	ROUTE 1 BOX 55	CHIPPEWA FLS	54729	WI
35-09-0161	JENSEN BROTHERS	ROUTE 3 BOX 125	COLFAX	54730	WI
35-09-0172	HENRY & CEDRIC BOETTCHE	ROUTE 2	CADOTT	54727	WI
35-10-0005	LOUIS DUX	DUXDALE FARM	NEILLSVILLE	54456	WI
35-10-0014	WM BENZSCHAWEL		OWEN	54460	WI
35-10-0016	RICHARD EIBERGEN & SONS	ROUTE 1	GRANTON	54436	WI
35-10-0017	SELZ FARM INC		HUMBIRD	54746	WI
35-10-0029	KEITH & DAWN STUMP	DISTINCTION FMS	GREENWOOD	54437	WI
35-10-0037	CLARK COUNTY HOSPITAL	CLARK CO	OWEN	54460	WI
35-10-0039	HUBBARD HOLSTEIN DAIRY		THORP	54771	WI
35-10-0044	ALLEN HUBBARD		THORP	54771	WI
35-10-0055	DARREL HORN	ROUTE 3	GREENWOOD	54437	WI
35-10-0068	HELEN GARBISCH & SON	ROUTE 2	GRANTON	54436	WI
35-10-0084	JOHN SEEFELDT	ROUTE 1	GRANTON	54436	WI
35-10-0089	GERALD GLASSHOF	BOX 100	THORP	54771	WI
35-10-0298	PAUL L WITMER	ROUTE 2	LOYAL	54446	WI
35-10-0345	CYRIL JOCHIMSEN		DORCHESTER	54425	WI
35-10-0390	SCHEELS HOLSTEIN HAVEN	ROUTE 1	NEILLSVILLE	54456	WI
35-10-0422	JAMES K RICE	ROUTE 3	GREENWOOD	54437	WI
35-10-0465	CARL C PEDERSEN	ROUTE 1 BOX 46	LOYAL	54446	WI
35-10-0772	EDWARD SELZ	ROUTE 2	LOYAL	54446	WI
35-11-0001	R BECKER & HAROLD COBBS		LODI	53555	WI
35-11-0011	LEONARD SENNHENN	ROUTE 3	COLUMBUS	53925	WI
35-11-0021	RUSSELL WATERWORTH		FALL RIVER	53932	WI
35-11-0033	WILLIAM & CARL LEWKE	ROUTE 3	COLUMBUS	53925	WI
35-11-0035	JOHN J VOEGELI	ROUTE 1	ARLINGTON	53911	WI
35-11-0038	GENE ROCHE		RIO	53960	WI
35-11-0042	GUSTAVE A GAUMITZ		FALL RIVER	53932	WI
35-11-0047	DON WEINER	ROUTE 3	COLUMBUS	53925	WI
35-11-0048	ROGER & RONALD WEILAND		COLUMBUS	53925	WI
35-11-0050	HABERKORN BROS	ROUTE 1	DALTON	53926	WI
35-11-0054	JOHN WOODWARD	CURTWOOD FARMS RT	RIO	53960	WI
35-11-0092	DONALD P NELSON	ROUTE 3	WIS. DELLS	53965	WI
35-11-0208	CARL HARTWIG	ROUTE 1	DALTON	53926	WI
35-12-0003	C H KRONING AND SONS	ROUTE 3	SOLDIERS GRV	54655	WI
35-12-0007	AHRENS DAIRY FARM	BOX 150	PR DU CHIEN	53821	WI
35-12-0069	DON WACHTER		PR DU CHIEN	53821	WI
35-12-0158	KNUTE HJELLE	ROUTE 1	WAUZEKA	53826	WI
35-13-0018	HAROLD ERICKSON		DEFOREST	53532	WI
35-13-0037	ALFRED KELLER	ROUTE 1	OREGON	53575	WI
35-13-0040	ELECTRIC RESEARCH FOUND.	ROUTE 1	DE FOREST	53532	WI
35-13-0048	MAURICE E COOPER		DE FOREST	53532	WI

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

		ADDRESS OF OWNER			
HERD CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP-CODE	STATE
35-13-0050	MARTIN & DAVID GUNNULSON	ROUTE 1	CAMBRIDGE	53523	WI
35-13-0051	DAVID MELL	ROUTE 2	WAUNAKEE	53597	WI
35-13-0058	TED WADDELL		MARSHALL	53559	WI
35-13-0062	CHARLES DETERT JR		MARSHALL	53559	WI
35-13-0072	FRANK WITTWER & SONS	ROUTE 2	VERONA	53593	WI
35-13-0094	OREGON STATE FARM		OREGON	53575	WI
35-13-0102	GERALD J RAEMISCH		WAUNAKEE	53597	WI
35-13-0121	DENTON GEORGESON	ROUTE 1 BOX 75	MADISON	53704	WI
35-13-0122	DONALD G PETERSON	ROUTE 3	MT HOREB	53572	WI
35-13-0123	GAYLORD KITTLESON	ROUTE 3	MT HOREB	53572	WI
35-13-0125	ALVIN HAAG	ROUTE 1	MT HOREB	53572	WI
35-13-0127	BOYD OPSAL		BLUE MOUNDS	53517	WI
35-13-0128	PAUL PETERSON	ROUTE 3	MT HOREB	53572	WI
35-13-0135	DONALD KELLESVIG	ROUTE 2	MT HOREB	53572	WI
35-13-0137	TRUMAN KITTLESON	ROUTE 2	MOUNT HOREB	53572	WI
35-13-0162	BERNARD D RATTMAN	ROUTE 1 BOX 445 D	MADISON	53704	WI
35-13-0293	KAHL FARMS	GARY KAHL	VERONA	53593	WI
35-13-0296	CLIFFORD GUST	ROUTE 2	VERONA	53593	WI
35-13-0297	KARL & MARLIN WILD	R. F. D. 2	BELLEVILLE	53508	WI
35-13-0308	KENNETH MAYBERRY	ROUTE 2	STOUGHTON	53589	WI
35-13-0320	UNIV OF WISCONSIN	DAIRY CATTLE CENTE	MADISON 6	53706	WI
35-13-0324	MERLIN A VOSS		VERONA	53593	WI
35-13-0326	ELMER BAKER	R R 1	MT HOREB	53572	WI
35-13-0329	BLACK HAVEN FARM	KENNETH CUTSFORTH	MAZOMANIE	53560	WI
35-13-0330	W MAIER & D FESTGE		CROSS PLNS	53528	WI
35-13-0336	JOSEPH A HAACK	ROUTE 1	MT HOREB	53572	WI
35-13-0338	L-SPRING VALLEY FARM	ERVIN LEE	BLACK EARTH	53515	WI
35-13-0499	DAVID REIERSON	ROUTE 1 BOX 192	EDGERTON	53534	WI
35-14-0015	WILLIAM BUSKE	ROUTE 2	MAYVILLE	53050	WI
35-14-0025	JOE STIPPICH	ROUTE 1	WATERLOO	53594	WI
35-14-0026	NEAL STIPPICH	ROUTE 4	BEAVER DAM	53916	WI
35-14-0033	DAVE MC FARLAND	ROUTE 5	WATERTOWN	53094	WI
35-14-0041	BURTON WILLIAMS	ROUTE 5	WATERTOWN	53094	WI
35-14-0046	WILLIAM NASS	ROUTE 1	WATERTOWN	53094	WI
35-14-0053	MRS EDWARD R BOETCHER	ROUTE 1	WATERLOO	53594	WI
35-14-0057	ERWIN BUSS	ROUTE 1	WATERLOO	53594	WI
35-14-0067	EUGENE HEIDEMANN	ROUTE 2	BEAVER DAM	53916	WI
35-14-0074	PAUL FRANK	ROUTE 1 BOX 112	MAYVILLE	53050	WI
35-14-0081	ANGLEWOOD FARMS	RURAL ROUTE 1	FOX LAKE	53933	WI
35-14-0092	GORDON E BERG	ROUTE 1 BOX 228	BROWNSVILLE	53006	WI
35-14-0093	ANTHONY HESPRICH	ROUTE 1	LOMIRA	53048	WI
35-14-0096	WILLARD NEHLS FM 1	ROUTE 2	JUNEAU	53039	WI
35-14-0101	ALBERT & WES PADE		LOMIRA	53048	WI
35-14-0102	DUANE & DENNIS ZIMMERMAN	BUTTERCUP FARM 1	FOX LAKE	53933	WI
35-14-0106	LORENZ PAGEL	ROUTE 1	JUNEAU	53039	WI
35-14-0108	RICHARD BUDDE	ROUTE 2	BEAVER DAM	53916	WI
35-14-0116	R A SCHWANTES & W MAASKE	WEST SIDE FARM	HORICON	53032	WI
35-14-0122	JAMES GEHL		NEOSHO	53059	WI
35-14-0124	L NEHLS JR HERD	ROUTE 1	JUNEAU	53039	WI
35-14-0145	MAYLOND KRUG	ROUTE 1	BROWNSVILLE	53006	WI
35-14-0161	LELAND GUNST	ROUTE 3	HARTFORD	53027	WI
35-14-0166	LAUREN VANDE ZANDE		WAUPUN	53963	WI
35-14-0167	GLENN VANDE ZANDE	ROUTE 2	WAUPUN	53963	WI
35-14-0169	HARVEY PAUTZ	ROUTE 2	JUNEAU	53039	WI
35-14-0174	RUDOLPH BAUER	RR 1 BOX 142	BROWNSVILLE	53006	WI
35-14-0176	OLIVER PROPST	ROUTE 1	BEAVER DAM	53916	WI
35-14-0186	SYLVESTER CLAAS	ROUTE 1	WATERTOWN	53094	WI
35-14-0193	ROY HOLZ	ROUTE 1	WATERTOWN	53094	WI
35-14-0197	GENE & ALVIN HILDEBRANDT	ROUTE 2	JUNEAU	53039	WI
35-14-0199	HARVEY A BRAUNSCHWEIG	ROUTE 1	BURNETT	53922	WI
35-14-0200	RUBEN LAU		LOMIRA	53048	WI
35-14-0203	LESTER BICKEL		REESEVILLE	53579	WI
35-14-0204	HENRY SCHNITZLER	ROUTE 1	THERESA	53091	WI
35-14-0207	BERNARD & EUGENE SETZ	ROUTE 2	COLUMBUS	53925	WI
35-14-0208	LESLIE A PRIBNOW & SON	ROUTE 1 BOX 244	BROWNSVILLE	53006	WI
35-14-0212	JULIUS L SCHNEIDER	ROUTE 1	REESEVILLE	53579	WI
35-14-0215	GORDON EVERSON	ROUTE 1	WATERLOO	53594	WI
35-14-0216	WILLARD NEHLS FM 4	ROUTE 1	JUNEAU	53039	WI
35-14-0220	ARLEN SCHELLPFEFFER	ROUTE 1	HORICON	53032	WI
35-14-0224	LAWRENCE & DONALD BELLIN	ROUTE 1	LOMIRA	53048	WI
35-14-0229	WARREN A SMITH	432 FREMONT ST	WATERTOWN	53094	WI
35-14-0239	EDGAR F BRAUNSCHWEIG	ROUTE 1	NEOSHO	53059	WI
35-14-0240	LARRY T EBERLE	ROUTE 1	WATERTOWN	53036	WI
35-14-0241	WENDORF BROS	ROUTE 1	NEOSHO	53059	WI
35-14-0242	ELMO & NILES WENDORF	ROUTE 1	IXONIA	53036	WI
35-14-0357	PALMER NEHLS	ROUTE 2	JUNEAU	53039	WI
35-14-0369	ALLEN SELL	ROUTE 6	WATERTOWN	53094	WI
35-14-0405	LESTER GRIEPENTROG	ROUTE 1	THERESA	53091	WI
35-14-0427	CARL WERNER	ROUTE 1	BEAVER DAM	53916	WI
35-14-0431	ALFRED SCHOENIKE	ROUTE 1	IXONIA	53036	WI
35-14-0462	CAROL L EHLERS	ROUTE 1 BOX 1.7	MAYVILLE	53050	WI
35-14-0485	WILLIAM H RUPNOW	RURAL ROUTE	RANDOLPH	53956	WI
35-14-0560	WILBERT & JAMES LANDMEIE	ROUTE 1	JUNEAU	53039	WI
35-14-0582	PAUL LEVORSON	ROUTE 1	JUNEAU	53039	WI
35-14-0584	KENNETH E BUSS	ROUTE 1	WATERLOO	53594	WI

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	. . . . A D D R E S S O F STREET OR ROUTE	O W N E R . . . . TOWN	ZIP-CODE	STATE
35-14-0587	TED SCHMIDT	ROUTE 1	WATERLOO	53594	WI
35-14-0609	HARVEY VANDE ZANDE	ROUTE 2 BOX 356	WAUPUN	53963	WI
35-14-0615	GARY G MAYHEW	315 CENTER ST	JEFFERSON	53549	WI
35-14-0629	ORVILLE KEMINK	ROUTE 1	WAUPUN	53963	WI
35-14-0709	LESTER SCHADEMANN	ROUTE 2	WATERTOWN	53094	WI
35-14-0756	PAUL RICE	ROUTE 1	WATERTOWN	53094	WI
35-14-0757	MILTON ROLL	ROUTE 2	JUNEAU	53039	WI
35-15-0007	HENRY KINTOPF	ROUTE 5	STURGEON BAY	54235	WI
35-15-0017	WILFERD VANDERTIE		BRUSSELS	54204	WI
35-15-0023	DONALD OLSON	ROUTE 5	STURGEON BAY	54235	WI
35-15-0025	HUGH BIRDSALL	ROUTE 5	STURGEON BAY	54235	WI
35-15-0031	JOSEPH KUEHN		EGG HARBOR	54209	WI
35-15-0033	NORMAN & JOE WAUTIER	ROUTE 1	BRUSSELS	54204	WI
35-15-0095	ROBERT J DELORIT	ROUTE 1	FORESTVILLE	54213	WI
35-15-0127	MILTON STAATS	ROUTE 1	STURGEON BAY	54235	WI
35-15-0298	HARRY J COISMAN	ROUTE 6	STURGEON BAY	54235	WI
35-16-0031	LLOYD ROUNSVILLE		POPLAR	54864	WI
35-17-0009	FRANK B MERRITT	ROUTE 1	MENOMONIE	54751	WI
35-17-0012	CHARLES GIFFORD & SONS	ROUTE 6	MENOMONIE	54751	WI
35-17-0016	R & V LECANDER	ROUTE 2	SPG VALLEY	54767	WI
35-17-0019	WAYSIDE ACRES INC	WAYNE @ ROGER BAIE	ELMWOOD	54740	WI
35-17-0031	ALVIN & GLEN QUILLING	ROUTE 1	ELK MOUND	54739	WI
35-17-0048	PAUL W PELLETT	ROUTE 6	MENOMONIE	54751	WI
35-17-0051	GRANT STYER		KNAPP	54749	WI
35-17-0057	JOE CRAMER AND SONS	ROUTE 2	MENOMONIE	54751	WI
35-17-0060	NEIL GOVIN	ROUTE 2	MENOMONIE	54751	WI
35-17-0073	DAVID ASPEN	ROUTE 2	MENOMONIE	54751	WI
35-17-0078	LUND BROS	ROUTE 6	MENOMONIE	54751	WI
35-17-0079	DORIS KLATT	ROUTE 1	MENOMONIE	54751	WI
35-17-0084	RAYMOND SCORE	ROUTE 2	BOYCEVILLE	54725	WI
35-17-0107	RONALD SPAETH	ROUTE 4	MENOMONIE	54751	WI
35-17-0121	HAROLD & DAVID KREUTZER	ROUTE 3	MENOMONIE	54751	WI
35-17-0224	STALLMAN BROTHERS	ROUTE 2	ELK MOUND	54739	WI
35-17-0415	WILLIAM @ KATHLEEN REUSC	ROUTE 2	GLENWOOD CTY	54013	WI
35-17-0478	JAMES KNOPPS		BOYCEVILLE	54725	WI
35-18-0001	DONALD NELSON	ROUTE 3	EAU CLAIRE	54701	WI
35-18-0012	EAU CLAIRE CO HOSP	ROUTE 2	EAU CLAIRE	54701	WI
35-18-0058	MERVIN CARLSON	ROUTE 2	AUGUSTA	54722	WI
35-18-0076	VALLEY VIEW ACRES	ROUTE 1	ELEVA	54738	WI
35-18-0178	ROBERT GIBSON	ROUTE 2	EAU CLAIRE	54701	WI
35-18-0227	R EASTERSON & E DICKENSO	ROUTE 1	OSSEO	54758	WI
35-20-0002	ROBERT D GRASEE	ROUTE 1	RIPON	54971	WI
35-20-0018	WM PEACHY	ROUTE 1	ELDORADO	54932	WI
35-20-0022	DELONNA FARMS	ROUTE 1	MALONE	53049	WI
35-20-0031	KERMIT ERDMANN	ROUTE 1	LOMIRA	53048	WI
35-20-0034	GORDON E IMMEL	ROUTE 6 BOX 280	FOND DU LAC	54935	WI
35-20-0041	WELDON PETERSON	ROUTE 1	MALONE	53049	WI
35-20-0065	EDGAR & JOE JULKA	ROUTE 1	MALONE	53049	WI
35-20-0071	THEODORE WELLES		ROSENDALE	54974	WI
35-20-0076	EARL HAMMEN	ROUTE 3	RIPON	54971	WI
35-20-0088	ROBERT A BIRD	ROUTE 1	BROWNSVILLE	53006	WI
35-20-0091	HENRY HAYES	ROUTE 2	FOND DU LAC	54935	WI
35-20-0102	KENNETH RHEIN	ROUTE 1	BROWNSVILLE	53006	WI
35-20-0107	MARVIN HAYES AND SON	ROUTE 1	CAMPBELLSPT	53010	WI
35-20-0110	RAY & DAN ARNDT	ROUTE 6	FOND DU LAC	54935	WI
35-20-0112	BERNARD SHERIDAN	ROUTE 3	FOND DU LAC	54935	WI
35-20-0119	ERWIN & MICHAEL BEILKE	ROUTE 1	FAIRWATER	53931	WI
35-20-0149	DON F INDERMUELE	ROUTE 1	BROWNSVILLE	53006	WI
35-20-0158	LEANDER SIPPEL	ROUTE 1	MT CALVARY	53057	WI
35-20-0185	MAURICE BYRNES	ROUTE 6	FOND DU LAC	54935	WI
35-20-0187	JAMES MURPHY	ROUTE 3	FOND DU LAC	54935	WI
35-20-0190	CLARENCE BOYKE	ROUTE 3	FOND DU LAC	54935	WI
35-20-0200	HAGEMANS HOLSTEINS FARM	ROUTE 3	FOND DU LAC	54935	WI
35-20-0208	DONALD RICKERT	ROUTE 1	ELDORADO	54932	WI
35-20-0209	DAVID ROSE	ROUTE 1	EDEN	53019	WI
35-20-0227	CALVIN KINDSCHUH	ROUTE 1	BROWNSVILLE	53006	WI
35-20-0230	LEANDER DITTER	ROUTE 1	MALONE	53049	WI
35-20-0232	HAROLD HODORFF	ROUTE 1	EDEN	53019	WI
35-20-0236	LYLE LINDEMAN	ROUTE 1	BRANDON	53919	WI
35-20-0246	GILBERT & LARRY POLLACK	ROUTE 2	RIPON	54971	WI
35-20-0253	PAUL RUEDINGER	ROUTE 1	VANDYNE	54979	WI
35-20-0263	ELMER HEIMERMANN	ROUTE 1	CAMPBELLSPT	53010	WI
35-20-0264	VICTOR STEFFES		ST. CLOUD	53079	WI
35-20-0273	HARLAND KEMINK	ROUTE 2	WAUPUN	53963	WI
35-20-0275	ALBERT LAUDOLFF	ROUTE 5	FOND DU LAC	54935	WI
35-20-0437	WAYNE TAVS	ROUTE 1	BRANDON	53919	WI
35-20-0468	ROBERT SCHULTZ	ROUTE 1	VANDYNE	54979	WI
35-20-0500	DONALD F. COOPER	ROUTE 1 BOX 61	GLENBEULAH	53023	WI
35-20-0507	DARYL KUENZI	ROUTE 1	MT CALVARY	53057	WI
35-20-0543	RAY & DICK ARNDT	ROUTE 5	FOND DU LAC	54935	WI
35-20-0576	FRANKLIN SCHARF		BYRON	53009	WI
35-22-0001	GROVER SCHELINGER		STITZER	53825	WI
35-22-0025	ROBERT QUICK		BAGLEY	53801	WI
35-22-0031	CHESTER GARTHWAITE & SON		MT HOPE	53816	WI
35-22-0035	BYRON L STEPHENS	ROUTE 3	PLATTEVILLE	53818	WI

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	ADDRESS OF OWNER: STREET OR ROUTE	TOWN	ZIP-CODE	STATE
35-22-0347	SCHNEIDER AND JOHLL		CUBA CITY	53807	WI
35-22-0350	FLOYD MONROE	ROUTE 2	FENNIMORE	53809	WI
35-22-0352	WAYNE CARNS		PLATTEVILLE	53818	WI
35-22-0356	WM & KENNETH FRANKENHOFF		BOSCOBEL	53805	WI
35-22-0357	ROBERT F MOON		FENNIMORE	53809	WI
35-22-0365	KEITH & MAURICE NICHOLS		MT HOPE	53816	WI
35-22-0366	MARK NICHOLS		MT HOPE	53816	WI
35-22-0368	EARL CURTIS & SONS		CUBA CITY	53807	WI
35-22-0372	GERALD MOON		PLATTEVILLE	53818	WI
35-22-0388	ANTON & HERB HELBING	ROUTE 2	CUBA CITY	53807	WI
35-22-0225	VERNON J PLACKE	ROUTE 1	CUBA CITY	53807	WI
35-22-0261	ROBERT NODOLF		LIVINGSTON	53554	WI
35-22-0383	HAROLD & STANLEY FRITZ		WOODMAN	53827	WI
35-22-0483	RICK & BETTY KING	ROUTE 1	PLATTEVILLE	53818	WI
35-22-0493	R J ZINCK & C MALLAT	C/O ROBERT ZINCK	BOSCOBEL	53805	WI
35-22-0497	GERALD VOSBERG		CUBA CITY	53807	WI
35-22-0529	THOMAS HARVEY JR	ROUTE 1	HAZEL GREEN	53811	WI
35-23-0010	KENDALL & STEPHEN DIGMAN	RT 3	MONROE	53566	WI
35-23-0012	LAURENCE SALESMAN	ROUTE 1	ARGYLE	53504	WI
35-23-0022	WALTER F & DEAN STREIFF		NEW GLARUS	53574	WI
35-23-0024	RICHARD HORN	ROUTE 1 BOX 102	BROOKLYN	53521	WI
35-23-0026	E P AND E J KADERLY	ROUTE 1	JUDA	53550	WI
35-23-0029	ART & BURLEIGH BARTLETT	RT 1	MONROE	53566	WI
35-23-0032	KENNETH & NATHAN HARTWIG	RT 1	MONROE	53566	WI
35-23-0034	CARL & KENNETH WYSS	ROUTE 4	MONROE	53566	WI
35-23-0038	VOEGELI FARM INC	H & J VOEGELI	MONTICELLO	53570	WI
35-23-0039	DONALD TIMM	ROUTE 3	MONROE	53566	WI
35-23-0040	PERMIN GRABER & SONS		MONTICELLO	53570	WI
35-23-0042	EARL GRENZOW	RFD. #1	JUDA	53550	WI
35-23-0046	JOHN RUFI & SON	1123 22ND STREET	MONROE	53566	WI
35-23-0047	PAUL BAUMGARTNER	ROUTE 2	MONROE	53566	WI
35-23-0048	HERB HUFFMAN & SON	ROUTE 1	MONROE	53566	WI
35-23-0052	ED OLIVER		ALBANY	53502	WI
35-23-0057	BILL HARTWIG	ROUTE 3	MONROE	53566	WI
35-23-0059	JOHN AUESTAD		ARGYLE	53504	WI
35-23-0063	NATHAN BEAR & JAMES PRIC	SUGAR VALLEY FARM	BRODHEAD	53520	WI
35-23-0074	RALPH KUBLY		MONTICELLO	53570	WI
35-23-0075	C KENNETH NORTON	ROUTE 2	MONROE	53566	WI
35-23-0076	DANIEL F WYSS	ROUTE 1	MONROE	53566	WI
35-23-0084	VERLEN & JENE EBERLE	ROUTE 3	MONROE	53566	WI
35-23-0091	HAROLD HOESLY		NEW GLARUS	53574	WI
35-23-0095	JAMES COLEMAN	ROUTE 1	JUDA	53550	WI
35-23-0099	DELBERT SODDY		BROWNTOWN	53522	WI
35-23-0102	JOHN & DARRELL BOLLIG	ROUTE 1	BELLEVILLE	53508	WI
35-23-0103	RALPH SELLNOW	ROUTE 2	MONROE	53566	WI
35-23-0109	JULIUS & ANDREW HARTWIG		MONROE	53566	WI
35-23-0112	DEAN HAAS		BROWNTOWN	53522	WI
35-23-0169	PAUL ELMER JR		BROOKLYN	53521	WI
35-23-0170	THORVALD OLSON & SON	ROUTE 1	ALBANY	53502	WI
35-23-0176	LYLE & BURDELL TROW	ROUTE 1	BROOKLYN	53521	WI
35-23-0235	FRANCIS FAHEY	ROUTE 2	BELLEVILLE	53508	WI
35-23-0279	MELVIN & RICHARD REESE	RURAL ROUTE	BROOKLYN	53521	WI
35-24-0016	TINKHAM AND DAHMS	ROUTE 1	MARKESAN	53946	WI
35-24-0022	LEROY KASIERSKI	ROUTE 1	PRINCETON	54968	WI
35-24-0024	ARDEN HENSLIN	ROUTE 1	MARKESAN	53946	WI
35-24-0033	LYNN & LEO RUENGER	ROUTE 1	DALTON	53926	WI
35-24-0038	DONALD GELHAR & SONS	ROUTE 2	BERLIN	54923	WI
35-24-0039	ROLAND JAHNKE & SONS	ROUTE 2	MARKESAN	53946	WI
35-24-0051	ROBERT KELM	ROUTE 2	MARKESAN	53946	WI
35-24-0058	ROGER LADWIG		GREEN LAKE	54941	WI
35-24-0064	HAROLD JANES	ROUTE 2	BERLIN	54923	WI
35-24-0195	ROY CREEK DAIRY FM	R 3 BOX 93	MARKESAN	53946	WI
35-25-0019	BURT MC KENZIE		HOLLANDALE	53544	WI
35-25-0020	RICHARD B GORDEE		ARGYLE	53504	WI
35-25-0022	ARNESON AG CR CORP		BARNEVELD	53507	WI
35-25-0025	HARLAND THOMPSON		BARNEVELD	53507	WI
35-25-0026	RAY & TED THOMPSON		BARNEVELD	53507	WI
35-25-0036	PARNELL HAMILTON		BLANCHARDVL	53516	WI
35-25-0044	ROBERT MEJDT		DODGEVILLE	53533	WI
35-25-0056	ADOLPH & LEROY ABPLANALP		ARENA	53503	WI
35-25-0073	LOREN JOHNSEN		COBB	53526	WI
35-25-0201	RICHARD BOLLERUD		HOLLANDALE	53544	WI
35-25-0230	JOHN W WEIER		DODGEVILLE	53533	WI
35-25-0358	NORMAN LAUFFER	RURAL ROUTE	RIDGEWAY	53582	WI
35-25-0389	LYNCHAR DAIRY FARM	MIKE & DENNIS MUEL	MONTFORT	53569	WI
35-25-0394	HOWARD BERLIN	ROUTE 1	MAZOMANIE	53560	WI
35-25-0413	JON SMITH	ROUTE 3	DODGEVILLE	53533	WI
35-27-0003	FRANCIS HELLER JR	ROUTE 2	ALMA CENTER	54611	WI
35-27-0012	GEARING BROTHERS	ROUTE 1	MERRILLAN	54754	WI
35-27-0025	BRUCE ODEEN		BLK RIVR FLS	54615	WI
35-27-0029	FRANCES MICHELS		ALMA CENTER	54611	WI
35-27-0032	FRED MOSELEY		HIXTON	54635	WI
35-27-0038	EVERETT L GALSTER	ROUTE 2	ALMA CENTER	54611	WI
35-27-0039	RUSSELL G STETZER	ROUTE 1	BLK RIVR FLS	54615	WI
35-27-0043	GARTH WENSEL	ROUTE 1	BLK RIVR FLS	54615	WI

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	. . . . A D D R E S S O F O W N E R . . . . STREET OR ROUTE	TOWN	ZIP-CODE	STATE
35-27-0050	ROGER O HUBER		MELROSE	54642	WI
35-27-0052	DENNIS RAND		MELROSE	54642	WI
35-27-0059	LA VERN LIEN		MELROSE	54642	WI
35-27-0078	GARY JACOBSON		HUMBIRD	54746	WI
35-27-0104	JUNIOR JACOBSON		ALMA CENTER	54611	WI
35-28-0002	CRAIG BEANE	ROUTE 1	FT ATKINSON	53538	WI
35-28-0004	WARD BROTHERS	ROUTE 1	FT ATKINSON	53538	WI
35-28-0011	VICTOR BENTE JR	ROUTE 1	JEFFERSON	53549	WI
35-28-0013	LENZ BROS.	ROGER LENZ ROUTE 1	LAKE MILLS	53551	WI
35-28-0016	HOARDS DAIRYMAN FARM	ROUTE 1	FT ATKINSON	53538	WI
35-28-0017	NORVIC FARMS INC	ROUTE 1 NORVIC	LAKE MILLS	53551	WI
35-28-0018	ALLEN HETTS	ROUTE 1	FT ATKINSON	53538	WI
35-28-0030	WEG ACRES GUERNSEYS	RT 3 HEIDEN @ KUNZ	FT ATKINSON	53538	WI
35-28-0037	JAEGER BROS	RT 1	IXONIA	53036	WI
35-28-0039	SAINT COLETTA SCHOOL,		JEFFERSON	53549	WI
35-28-0040	CHAPEL HILL FARM	ROUTE 1	IXONIA	53036	WI
35-28-0042	KRULL FARMS		LAKE MILLS	53551	WI
35-28-0043	PIPER BROTHERS	P O BOX 50	WATERTOWN	53094	WI
35-28-0044	UNIV OF WISCONSIN	E BLAINE JR EXP	LAKE MILLS	53551	WI
35-28-0045	H GLENN RABENHORST	ROUTE 3	WATERTOWN	53094	WI
35-28-0046	GEO FUNK JR	RT 3	WATERTOWN	53094	WI
35-28-0063	C PREUNINGER AND SONS	ROUTE 1	FT ATKINSON	53538	WI
35-28-0070	WILLARD E GERNER	ROUTE 1	FT ATKINSON	53538	WI
35-28-0075	GILMER SCHUETT	ROUTE 2	WATERTOWN	53094	WI
35-28-0079	HASEL FARMS	ROUTE 1	LAKE MILLS	53551	WI
35-28-0080	BIEWER BROS	ROUTE 1	SULLIVAN	53178	WI
35-28-0083	BETHESDA LUTHERAN HOME	P.O. BOX	WATERTOWN	53094	WI
35-28-0084	RAY ARMSTRONG	ROUTE 1	FT ATKINSON	53538	WI
35-28-0091	DEAN MC DONALD & SONS	ROUTE 6	WATERTOWN	53094	WI
35-28-0092	BATTIST FARMS INC	ROUTE 2	WATERLOO	53594	WI
35-28-0093	EL-RO ERB FARMS	ROUTE 1	JOHNSON CRK	53038	WI
35-28-0094	EARL J SKALITZKY	ROUTE 2	WATERLOO	53594	WI
35-28-0097	AUGUST H SCHUTH	ROUTE 2	FT ATKINSON	53538	WI
35-28-0099	MERLIN KROPF	ROUTE 4	WATERTOWN	53094	WI
35-28-0103	GLEN SCHWEMMER	ROUTE 3	FT ATKINSON	53538	WI
35-28-0106	GILBERT UNTZ		LAKE MILLS	53551	WI
35-28-0111	CLARENCE SCHADT & SON	ROUTE 5	WATERTOWN	53094	WI
35-28-0112	LESLIE MITCHELL	ROUTE 3	WATERTOWN	53094	WI
35-28-0122	CLARENCE & LARRY DRAEGER	ROUTE 2 BOX 353	FT ATKINSON	53538	WI
35-28-0176	HARVEY E WAYNE KASTEN	ROUTE 1	LAKE MILLS	53551	WI
35-28-0200	RUSSEL & DEAN YANDRY	ROUTE 2	FT ATKINSON	53538	WI
35-28-0249	WM J RUPNOW JR	ROUTE 1	IXONIA	53036	WI
35-28-0308	MAPLELEAF FARM	ROUTE 2 BOX 341	FT ATKINSON	53538	WI
35-28-0311	GENE BURLINGHAM	ROUTE 1	PALMYRA	53156	WI
35-28-0331	THOMAS A GRISWOLD SR	ROUTE 1 BOX 27A	IXONIA	53036	WI
35-28-0348	WAYNE NELSON	ROUTE 2	JEFFERSON	53549	WI
35-28-0362	CHILDWOOD FARM	ROUTE 3 BOX 16	WHITEWATER	53190	WI
35-28-0372	JOE MAGARICH	ROUTE 5	WATERTOWN	53094	WI
35-28-0407	JAMES R MODE	ROUTE 3	FT ATKINSON	53538	WI
35-29-0007	JAMES C BELL		CAMP DOUGLAS	54618	WI
35-29-0018	BARRETT BROS		CAMP DOUGLAS	54618	WI
35-29-0020	CLAYTON HANSEN		NEW LISBON	53950	WI
35-29-0023	CHESTER CARTER & SON		MAUSTON	53948	WI
35-29-0035	PETER SIMON	RURAL ROUTE	LYNDON STA	53944	WI
35-29-0036	ADELBERT THOMPSON	P O BOX 75	ELROY	53929	WI
35-29-0089	CLARENCE BERES	ROUTE 1 BOX 19	ELROY	53929	WI
35-30-0002	EUGENE VANDERWERFF	ROUTE 2	SALEM	53168	WI
35-30-0004	PETE KNIGGE	ROUTE 1, BOX 70	BRISTOL	53104	WI
35-30-0005	CLAUDE EPPING	ROUTE 2 BOX 70	SALEM	53168	WI
35-30-0019	DR HERBERT LOTHE	BOX 96	BRISTOL	53104	WI
35-30-0020	ROBERT PFEFFER	ROUTE 5 BOX 474	BURLINGTON	53105	WI
35-30-0028	WALDO E EMERY	ROUTE 2 BOX 545	KENOSHA	53140	WI
35-30-0054	OAK HOLLOW FARM	ROUTE 1	GENOA CITY	53128	WI
35-30-0055	WALTER E SPRINGER	ROUTE 2 BOX 300	SALEM	53168	WI
35-30-0065	THOMAS KRUEGER & SON	ROUTE 5 BOX 395	BURLINGTON	53105	WI
35-30-0081	LADEN ACRES FARM	ROUTE 5 BOX 54	BURLINGTON	53105	WI
35-30-0086	HIGHLAND DAIRY CO	BOX 15	WOODWORTH	53194	WI
35-30-0087	ANDREW LOIS & SONS	ROUTE 4 BOX 335	BURLINGTON	53105	WI
35-30-0165	OAK HOLLOW FARM 2	ROUTE 1	GENOA CITY	53128	WI
35-31-0020	AARON LA COURT	ROUTE 3	LUXEMBURG	54217	WI
35-31-0027	LEONARD STEINER & SON	ROUTE 2 BOX 201	ALGOMA	54201	WI
35-31-0030	JOHN & LYLE SIEGMUND	ROUTE 1	KEWAUNEE	54216	WI
35-31-0032	ROBERT J LEVY	ROUTE 1	KEWAUNEE	54216	WI
35-31-0036	JOHN SRNKA	ROUTE 1	ALGOMA	54201	WI
35-31-0069	ELIAS FENENDAEL	ROUTE 1	ALGOMA	54201	WI
35-32-0001	RUSSELL BRINGE		HOLMEN	54636	WI
35-32-0017	MILLARD MC RAE		MINDORO	54644	WI
35-32-0023	MILLER HOLSTEIN FARMS	ROUTE 1	LA CROSSE	54601	WI
35-32-0024	NORBERT & JOHN NUTTLEMAN		WEST SALEM	54669	WI
35-32-0025	BERNARD PRALLE		ONALASKA	54650	WI
35-32-0031	DOUGLAS PIERCE	KAYBUD FARM	BANGOR	54614	WI
35-32-0032	S SKEMP & ROBERT WENDORF	ROUTE 1	LA CROSSE	54601	WI
35-32-0035	E SWARTHOUT & BERT BROWN		WEST SALEM	54669	WI
35-32-0037	ALAN TIMM	RURAL ROUTE 1	HOLMEN	54636	WI
35-32-0038	LAKEVIEW HOSPITAL		WEST SALEM	54669	WI

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	. . . . A D D R E S S O F O W N E R . . . . STREET OR ROUTE	TOWN	ZIP-CODE	STATE
35-32-0040	MIENKING BROS		BANGOR	54614	WI
35-32-0041	R SKEMP & G WENDORF	515ST BANK BLDG	LA CROSSE	54601	WI
35-32-0042	EARL PRALLE	ROUTE 2	BANGOR	54614	WI
35-32-0044	DONALD TRODCINSKI		HOLMEN	54636	WI
35-32-0045	RAY HOYER & SON		WEST SALEM	54669	WI
35-33-0003	ROBERT FLOGEL	ROUTE 1	BELMONT	53510	WI
35-33-0007	UNIVERSITY OF WIS. FM	ROUTE 4	PLATTEVILLE	53818	WI
35-33-0030	A ANDREWS - SAALSAA BROS		SOUTH WAYNE	53587	WI
35-33-0032	EASTWOOD BROTHERS		ARGYLE	53504	WI
35-33-0040	FRANZE & R HODGSON	ROUTE 1	GRATIOT	53541	WI
35-33-0064	F & E GENSLER CO	STAR ROUTE	SHULLSBURG	53586	WI
35-33-0099	ROBERT D CARNS	ROUTE 2	CUBA CITY	53807	WI
35-33-0105	MERLIN DAMMEN	ROUTE 2	BLANCHARDVL	53516	WI
35-33-0112	WILLIAM JOE BUSS		PLATTEVILLE	53818	WI
35-33-0219	KENNETH MEIER		APPLE RIVER	61001	WI
35-33-0300	UNIVERSITY OF WIS. FM	ROUTE 4	PLATTEVILLE	53818	WI
35-33- 338	NEELIAN JR & THAD NELSON	ROUTE 2	ARGYLE	53504	WI
35-33-0411	DAVE WESSEL & STAUFFACHE		MINERAL PT	53565	WI
35-34-0005	DOUGLAS WASHATKO	ROUTE 1	ANTIGO	54409	WI
35-34-0007	LESTER WALDVOGEL	ROUTE 1	ANTIGO	54409	WI
35-34-0013	HARRY GLEICH	ROUTE 2	DEERBROOK	54424	WI
35-35-0008	WAYNE SCHULTZ	ROUTE 2	MERRILL	54452	WI
35-35-0026	HAROLD SCHNEIDER	RT 5 BOX 263	MERRILL	54452	WI
35-35-0028	ELMER KLUG & SON	ROUTE 1	MERRILL	54452	WI
35-35-0079	MRS. WERNER SCHMID	ROUTE 7	MERRILL	54452	WI
35-36-0004	ALTON BORGWARDT	ROUTE 1	CLEVELAND	53015	WI
35-36-0011	EDWARD LEIST	ROUTE 2	REEDSVILLE	54230	WI
35-36-0014	LOUIS-CORNERS DAIRY	ROUTE 1 BOX 30	KIEL	53042	WI
35-36-0015	JOHN KOLB JR	ROUTE 1	CLEVELAND	53015	WI
35-36-0018	ELMER H GRIES	ROUTE 1	VALDERS	54245	WI
35-36-0026	WILLARD LEITERITZ	ROUTE 1	CLEVELAND	53015	WI
35-36-0029	MILTON SCHWALBE	ROUTE 1	MANITOWOC	54220	WI
35-36-0030	HILBERT STEFL	ROUTE 1	MISHICOT	54228	WI
35-36-0048	ANTHONY TUSCHL	ROUTE 1	CATO	54206	WI
35-36-0049	ARNOLD SCHULER	ROUTE 1	VALDERS	54245	WI
35-36-0062	EDWIN RANK	ROUTE 2	MANITOWOC	54220	WI
35-36-0067	EDWARD KLESSIG & SONS	ROUTE 1	CLEVELAND	53015	WI
35-36-0070	REUBEN WEHAUSEN	ROUTE 1	MANITOWOC	54220	WI
35-36-0078	ROBERT BINVERSIE	ROUTE 2	KIEL	53042	WI
35-36-0080	HAROLD HOLSCHBACH	ROUTE 3	MANITOWOC	54220	WI
35-36-0089	JEROME SICKINGER	ROUTE 1	CATO	54206	WI
35-36-0095	ALAN SIEKER	ROUTE 1	VALDERS	54245	WI
35-36-0096	COLONIAL DAIRY FARM		ST. NAZIANZ	54232	WI
35-36-0099	EUGENE BINVERSIE	ROUTE 2	KIEL	53042	WI
35-36-0106	ROLAND H GOEKE	ROUTE 1	NEWTON	53063	WI
35-36-0110	WALTER SIEMERS	ROUTE 1	CLEVELAND	53015	WI
35-36-0111	REUBEN J. KAMMANN	ROUTE 1	CLEVELAND	53015	WI
35-36-0114	KENNETH REICHWALDT	ROUTE 1	NEWTON	53063	WI
35-36-0117	MARKUS NAGEL	ROUTE 1	VALDERS	54245	WI
35-36-0118	SUNNYSIDE DAIRY FARMS	ROUTE 1	VALDERS	54245	WI
35-36-0123	JOSEPH KORINEK	ROUTE 1	CATO	54206	WI
35-36-0133	EDWARD STAUDINGER	ROUTE 2	REEDSVILLE	54230	WI
35-36-0135	DAVID SOUKUP	ROUTE 1	DENMARK	54208	WI
35-36-0136	LESTER & DAVID SCHULTZ	ROUTE 1	MANITOWOC	54220	WI
35-36-0149	PALMER KRACHT	ROUTE 1	NEWTON	53063	WI
35-36-0196	WALTER H KEMPFERT	ROUTE 1	MARIBEL	54227	WI
35-36-0238	KENNETH TESARIK	ROUTE 2	MANITOWOC	54220	WI
35-36-0354	WALTER E BORGWARDT	ROUTE 1	VALDERS	54245	WI
35-36-0403	PAUL STAUDINGER	ROUTE 2	REEDSVILLE	54230	WI
35-36-0414	KURT BERTSCHI	ROUTE 3	MANITOWOC	54220	WI
35-36-0431	JAMES SCHOLZ	ROUTE 1	CHILTON	53014	WI
35-36-0555	JOHN G RIEDERER	ROUTE 1 BOX 14	WHITELAW	54247	WI
35-36-0578	HERMAN H DANES	ROUTE 1	NEW HOLSTEIN	53061	WI
35-37-0012	NORRIE LAKE DAIRY FMS IN	ROUTE 3	BIRNAMWOOD	54414	WI
35-37- 015	HAROLD A PETERSEN	ROUTE 1	ELAND	54427	WI
35-37-0018	LYLE WEDEN	RT 2 BOX 174	WAUSAU	54401	WI
35-37-0020	CARL NORRBOM	ROUTE 1	WITTENBERG	54499	WI
35-37-0029	HAROLD PUNKE	ROUTE 3	ATHENS	54411	WI
35-37-0033	FOREST LAWN FARM	ROUTE 3	WAUSAU	54401	WI
35-37-0047	LESTER UTECH	ROUTE 1	MERRILL	54452	WI
35-37-0049	ALFRED L HEIL	ROUTE 3	EDGAR	54426	WI
35-37-0054	KENNETH FRAAZA	ROUTE 1	RINGLE	54471	WI
35-37-0055	DONALD FRANCKOWIAK	ROUTE 2	STRATFORD	54484	WI
35-37-0056	LEN ZAWISLAN	ROUTE 3	MARSHFIELD	54449	WI
35-37-0060	WALTER KLAPEL	ROUTE 2	EDGAR	54426	WI
35-37-0064	ALFRED R SCHULZ	ROUTE 2	EDGAR	54426	WI
35-37-0067	CLIFFORD KOLPACK	ROUTE 2	EDGAR	54426	WI
35-37-0068	EUGENE WITTER	2400 CO. HWY. J	WAUSAU	54401	WI
35-37-0072	MELVIN NIEMANN	ROUTE 2	EDGAR	54426	WI
35-37-0088	LE ROY KLIMPKE	ROUTE 2	ATHENS	54411	WI
35-37-0090	TOTZKE BROS	ROUTE 1	EDGAR	54426	WI
35-37-0105	EDWARD MIELKE	ROUTE 1	EDGAR	54426	WI
35-37-0115	JOSEPH WALDVOGEL & SON	3305 MERRILL AVE	WAUSAU	54401	WI
35-37-0210	JIM PAULSON	ROUTE 2 BOX 18G	MARATHON	54448	WI
35-37-0250	JOE BANZ	ROUTE 1 BOX 215	MOSINEE	54455	WI

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	. . . . ADDRESS STREET OR ROUTE	OF OWNER TOWN	. . . . ZIP-CODE	STATE
35-37-0400	GERALD G KOPS	ROUTE 1	UNITY	54488	WI
35-37-0432	RONALD GOTZ	ROUTE 4	MARSHFIELD	54449	WI
35-37-0570	ELMER BRUSS	ROUTE 1	SPENCER	54479	WI
35-38-0005	FRANCIS LEWANDOWSKI	ROUTE I BOX 244	CRIVITZ	54114	WI
35-38-0022	ERVIN FINGER	ROUTE I	OCONTO	5-153	WI
35-39-0022	ROBERT CUMMINGS	ROUTE I	WESTFIELD	53964	WI
35-42-0022	HOWARD TEASDALE JR		SPARTA	54656	WI
35-42-0039	ROY E JACOBS	ROUTE 1	SPARTA	54656	WI
35-42-0050	REUBEN LENZ	ROUTE I	TOMAH	54660	WI
35-42-0053	BERNARD RIENKS	ROUTE I	SPARTA	54656	WI
35-42-0065	DONALD T PETERSON	ROUTE 2	CASHTON	54619	WI
35-42-0066	BRUNO W MEYER	ROUTE 1 B 2	NORWALK	54648	WI
35-42-0123	PATRICK DWYER		KENDALL	54638	WI
35-42-0134	JAMES KORTBEIN	ROUTE 2	NORWALK	54648	WI
35-42-0185	ARNOLD STREMCHA	ROUTE 3	SPARTA	54656	WI
35-42-0194	DAVID ZIRK	ROUTE 1	ELROY	53929	WI
35-42-0209	ALAN MARTALOCK	ROUTE 1	ONTARIO	54651	WI
35-42-0219	MYLES CONNOR		KENDALL	54638	WI
35-42-0244	E HALDEMAN & J MADGETT	ROUTE I	SPARTA	54656	WI
35-42-0245	FLOYD L NICHOLS	FARM 2 ROUTE 1	SPARTA	54656	WI
35-42-0384	HARRY FRIEDL		KENDALL	54638	WI
35-42-0424	CLIFFORD RUEDY & SONS	ROUTE 4	SPARTA	54656	WI
35-43-0013	BERNARD STODOLA	ROUTE 2	POUND	54161	WI
35-43-0019	DR RAYMOND SCHOFIELD	ROUTE 2	GILLETT	54124	WI
35-43-0021	HOWARD N LEHNER		OCONTO FALLS	54154	WI
35-43-0023	ALLEN & URBAN SCANLAN	ROUTE 2	OCONTO	54153	WI
35-43-0024	R J O HARROW	ROUTE 1	OCONTO FALLS	54154	WI
35-43-0027	J FRANKLIN JONES		GILLETT	54124	WI
35-43-0033	DANIEL IMIG	ROUTE I	OCONTO	54153	WI
35-43-0062	ROBERT JAWORSKI	ROUTE I BOX 44	PULASKI	54162	WI
35-43-0169	DR. D H DOUDNA	RURAL ROUTE	LENA	54139	WI
35-45-0012	KRAHN FARM	ROUTE I	SEYMOUR	54165	WI
35-45-0030	CLEMENS EGGERT	ROUTE 3	APPLETON	54910	WI
35-45-0040	GARVEY BROS	ROUTE 4	DE PERE	54115	WI
35-45-0054	SAMBS BROTHERS	ROUTE 2	HORTONVILLE	54944	WI
35-45-0077	ROBERT PALTZER	ROUTE 3	APPLETON	54910	WI
35-45-0083	GEENEN BROS	ROUTE 1	KAUKAUNA	54130	WI
35-45-0117	OSCAR MILLER	ROUTE I	BLACK CREEK	54106	WI
35-45-0135	ALLYN STALEY	ROUTE 1	SEYMOUR	54165	WI
35-45-0142	ALBERT BRUNS	ROUTE 2	HORTONVILLE	54944	WI
35-45-0147	JOHN KELLY		MEDINA	54951	WI
35-45-0150	MIKE HENN	ROUTE 3	SEYMOUR	54165	WI
35-45-0155	CY LETTER	ROUTE 2	SEYMOUR	54165	WI
35-45-0157	CHARLES KELLY	ROUTE 1	APPLETON	54910	WI
35-45-0165	NORBERT SCHMIDT	ROUTE 3	KAUKAUNA	54130	WI
35-45-0169	JACK KRULL	ROUTE I	BONDUEL	54107	WI
35-45-0175	JOHN A VER VOORT	ROUTE 1	KAUKAUNA	54130	WI
35-45-0177	KUETTEL FARMS	ROUTE 2	HORTONVILLE	54944	WI
35-45-0179	MAYNARD KRAHN	ROUTE 3	SEYMOUR	54165	WI
35-45-0180	WILLIAM LETTER	ROUTE I	BLACK CREEK	54106	WI
35-45-0185	JAMES SEEFELDT	ROUTE 2	SEYMOUR	54165	WI
35-45-0189	ROBERT C GOSSE	ROUTE 2 BOX 184	SEYMOUR	54165	WI
35-45-0191	PETER VER VOORT	ROUTE I	SEYMOUR	54165	WI
35-45-0192	MOSSHOLDER FARMS	ROUTE 2	APPLETON	54911	WI
35-45-0262	JAMES LETTER	ROUTE 2 BOX 193	SEYMOUR	54165	WI
35-45-0263	PAUL JURGENS	ROUTE 2	SEYMOUR	54165	WI
35-45-0337	NOR-BU FARMS	ROUTE 3	SEYMOUR	54165	WI
35-45-0443	WOLF-RIV-VU-FARM	MEARL ALLEN RT 1	SHIOCTON	54170	WI
35-45-0525	GERALD JASKOLSKI	ROUTE 3	SEYMOUR	54165	WI
35-45-0553	EARL COURT	ROUTE 2	SEYMOUR	54165	WI
35-45-0564	CARL KORTZ	ROUTE 5	APPLETON	54910	WI
35-46-0006	OTTO KOHLWEY JR	ROUTE 1	GRAFTON	53024	WI
35-46-0008	KENNETH HELMS	ROUTE I	GRAFTON	53024	WI
35-46-0015	OSCAR WIECHERT	ROUTE 1	CEDARBURG	53012	WI
35-46-0057	HAROLD KLUG	RT 3-1584 PIONEER	CEDARBURG	53012	WI
35-47-0018	PITTMAN BROS		ARKANSAW	54721	WI
35-48-0018	HARLEY E RUDESILL		BALDWIN	54002	WI
35-48-0076	WIS STATE UNIVERSITY FM	ROUTE 4 BOX 115	RIVER FALLS	54022	WI
35-48-0079	WM HEISE		ELLSWORTH	54011	WI
35-48-0083	KENT RUDESILL	ROUTE 1	BALDWIN	54002	WI
35-48-0085	VICTOR TRAYNOR & SONS	HONEYCREST FARM	SPG VALLEY	54767	WI
35-48-0124	RALPH LINDSTROM	ROUTE I	ELLSWORTH	54011	WI
35-48-0176	EARL BORST		ELLSWORTH	54011	WI
35-48-0252	HAROLD C BAUER	ROUTE 2	MAIDEN ROCK	54750	WI
35-49-0013	ROLAND MARSCHALL	ROUTE 3	AMERY	54001	WI
35-49-0016	LLOYD H JOHNSON		NEW RICHMOND	54017	WI
35-49-0018	AARON KUSKE		OSCEOLA	54020	WI
35-49-0019	PHILLIP NELSON		BALSAM LAKE	54810	WI
35-49-0020	ROBERT E BEHLING	ROUTE 3	CUMBERLAND	54829	WI
35-49-0026	H L SWANSON AND SONS		AMERY	54001	WI
35-49-0023	ROBERT G. MAYER		DEER PARK	54007	WI
35-49-0031	PAUL A & CRAIG M PAULSON	ROUTE I	CLEAR LAKE	54005	WI
35-49-0035	DEER LAKE FARM		ST CROIX FLS	54024	WI
35-49-0042	WALTER V LEE		AMERY	54001	WI
35-49-0045	LEONARD W JOHNSON	LEWAJOHN FARM	ST CROIX FLS	54024	WI

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	. . . . A D D R E S S O F O W N E R . . . . STREET OR ROUTE	TOWN	ZIP-CODE	STATE
35-49-0046	LE ROY & RUSSELL JOHNSON		DRESSER	54009	WI
35-49-0052	WILLIAM BOSAK		FREDERIC	54837	WI
35-49-0060	CARL PEPER & SON		CENTURIA	54824	WI
35-49-0075	GORDON PAULSON		OSCEOLA	54020	WI
35-49-0082	CURTIS LUMSDEN		ST CROIX FLS	54024	WI
35-49-0083	LA VERNE RASMUSSEN	ROUTE 3	AMERY	54001	WI
35-49-0085	CHRIS & CARTER DUEHOLM		LUCK	54853	WI
35-49-0093	JAMES WICKLACE		TURTLE LAKE	54889	WI
35-49-0111	KERMIT GREEN		ST CROIX FLS	54024	WI
35-49-0150	JOHN ELLEFSON	ROUTE 1	CUSHING	54006	WI
35-49-0176	ROY MAGLER	ROUTE 1	AMERY	54001	WI
35-49-0179	PAUL PETT JR		COMSTOCK	54826	WI
35-49-0216	VERNON C NELSON	BOX 294	MILLTOWN	54858	WI
35-49-0321	EUGENE JENSEN	ROUTE 1	BALSAM LAKE	54810	WI
35-49-0414	DALE A JENSEN	ROUTE 3	AMERY	54001	WI
35-50-0004	GALE F GORDON		NELSONVILLE	54458	WI
35-50-0005	WALTER BROCK JR		JCT. CITY	54443	WI
35-50-0023	JAMES M OKEEFE	RT 1 BOX 341	STEVENS PT	54481	WI
35-50-0070	PRAIRIE STAR RANCH INC	SYLVSTR WOLOSEK-RT	PLOVER	54467	WI
35-51-0002	HAROLD TEGEN		KENNAN	54537	WI
35-51-0011	HEIKKINEN BROS DAIRY		BRANTWOOD	54513	WI
35-51-0028	HERBERT SILAMPA		OGEMA	54459	WI
35-52-0023	DONALD B LEE	ROUTE 1	STURTEVANT	53177	WI
35-52-0038	UNION GROVE STATE FARM	BOX 87	UNION GROVE	53182	WI
35-52-0039	NORMAN LAUBER	ROUTE 1	UNION GROVE	53182	WI
35-52-0044	CHARLES NORTH	ROUTE 1 BOX 619	WATERFORD	53185	WI
35-52-0054	MILDRED HALBACH	ROUTE 1	KANSASVILLE	53139	WI
35-52-0056	GRAY VIEW FARMS	ROUTE 2 BOX 197	UNION GROVE	53182	WI
35-52-0062	FREDERICK ERBE	7444 WEST RIVER RD	CALEDONIA	53108	WI
35-52-0069	JOHN SOBCZAK	ROUTE 1 BOX 606	WATERFORD	53185	WI
35-52-0070	ARTHUR KUIPER	6626 WASHINGTON	RACINE	53406	WI
35-52-0112	ELAM BUTTLES	ROUTE 2 BOX 703	WATERFORD	53185	WI
35-53-0003	ORLEN RICHARDS	ROUTE 2	RICHLAND CTR	53581	WI
35-53-0010	GERALD MICK	ROUTE 3	RICHLAND CTR	53581	WI
35-53-0011	G WENDORF & G WANLESS	ROUTE 2	VIOLA	54664	WI
35-53-0013	DR SAM ELMER & SONS	BOX 308	RICHLAND CTR	53581	WI
35-53-0015	W H KOENIG	150 N MAIN ST	RICHLAND CTR	53581	WI
35-53-0022	F BREWER & R MARTIN	ROUTE 3	RICHLAND CTR	53581	WI
35-53-0023	THERON KELLER	ROUTE 2	RICHLAND CTR	53581	WI
35-53-0025	ALLEN RIPPCHEN	ROUTE 3	RICHLAND CTR	53581	WI
35-53-0026	ARLAND J MC KITTRICK	ROUTE 2	VIOLA	54664	WI
35-53-0028	ITHACO FARMS NO. 1	ROUTE 2	RICHLAND CTR	53581	WI
35-53-0035	DONALD SPANGLER	ROUTE 2	YUBA	54672	WI
35-53-0041	FRANK B TURGASEN	ROUTE 1	RICHLAND CTR	53581	WI
35-53-0042	DOSCH BROS	ROUTE 1	RICHLAND CTR	53581	WI
35-53-0052	MIKE SCHAUF	ROUTE 2	RICHLAND CTR	53581	WI
35-53-0053	OAKWOOD FRUIT FARM INC	ROUTE 2	RICHLAND CTR	53581	WI
35-53-0059	CARROLL KEPLER JR	ROUTE 1	RICHLAND CTR	53581	WI
35-53-0073	ANTHONY OLSON	ROUTE 1	LONE ROCK	53556	WI
35-53-0237	MARTIN FARMS		LONE ROCK	53556	WI
35-53-0305	KEITH DECKERT & R KEPLER	ROUTE 4	RICHLAND CTR	53581	WI
35-54-0007	PAUL R SCHUMACHER	ROUTE 5	JANESVILLE	53545	WI
35-54-0023	GORDON L. HILL & SON	ROUTE 1	JANESVILLE	53545	WI
35-54-0029	GERNER FARMS	ROUTE 3	WHITEWATER	53190	WI
35-54-0036	KENNETH HABERMAN	ROUTE 5	JANESVILLE	53545	WI
35-54-0039	ROCK CO HOSP & HOME	BOX 351	JANESVILLE	53545	WI
35-54-0041	BOYD BALIS	ROUTE 4	JANESVILLE	53545	WI
35-54-0042	RICHARD NYMAN		ORFORDVILLE	53576	WI
35-54-0045	SHADEL FARM	ROUTE 1	JANESVILLE	53545	WI
35-54-0052	GEORGE BARLASS & SONS	ROUTE 1	JANESVILLE	53545	WI
35-54-0054	VINEY FARMS INC		EVANSVILLE	53536	WI
35-54-0055	RALPH GREEN	RT 1	MILTON JCT	53564	WI
35-54-0063	MULDER FARMS	BOX 687	MILTON JCT	53564	WI
35-54-0064	GAILEN PIERCE	ROUTE 1	MILTON	53563	WI
35-54-0069	GEORGE RYE	ROUTE 1	AVALON	53505	WI
35-54-0070	RALPH RYE	ROUTE 1	AVALON	53505	WI
35-54-0082	WM AGNEW & SONS	ROUTE 1	WHITEWATER	53190	WI
35-54-0085	TED LARSON	ROUTE 1	CLINTON	53525	WI
35-54-0089	MARTHA & JEANNA BARTH	ROUTE 1	WHITEWATER	53190	WI
35-54-0091	WM T MC NALLY	ROUTE 1	MILTON	53563	WI
35-54-0145	LYLE STALL		ORFORDVILLE	53576	WI
35-54-0261	MELVIN JAMES & SONS		EVANSVILLE	53536	WI
35-54-0354	MR & MRS J R LEE	ROUTE 1	CLINTON	53525	WI
35-54-0399	DONALD W JOHNSON	ROUTE 1	AVALON	53505	WI
35-55-0010	WILLIAM VAN DOORN JR		TONY	54563	WI
35-55-0012	CASIMIR HEINY		LADYSMITH	54848	WI
35-55-0025	HARVEY B BURCH	RURAL ROUTE	SHELDON	54766	WI
35-55-0038	CLINTON NELSON		GLEN FLORA	54526	WI
35-55-0044	JOHN VAN SOELEN	RURAL ROUTE	BRUCE	54819	WI
35-56-0009	VAN DYK FARMS	R R	NEW RICHMOND	54017	WI
35-56-0020	HAROLD BOS		DEER PARK	54007	WI
35-56-0027	JON DE FARM		BALDWIN	54002	WI
35-56-0032	ARLO HOLMAN	BREEZE HILL FM	BALDWIN	54002	WI
35-56-0033	JAMES GILLIS		WOODVILLE	54028	WI
35-56-0037	GERALD JENSEN		RIVER FALLS	54022	WI

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	ADDRESS OF OWNER: STREET OR ROUTE	TOWN	ZIP-CODE	STATE
35-56-0041	HAROLD HUNTER		ROBERTS	54023	WI
35-56-0044	CRISOHOME FARMS		NEW RICHMOND	54017	WI
35-56-0045	JAMES A RAY		ROBERTS	54023	WI
35-56-0048	EMIL FRICK		GLENWOOD CY	54013	WI
35-56-0050	ST CROIX COUNTY FARM		NEW RICHMOND	54017	WI
35-56-0057	JOHN AFDAHL		HAMMOND	54015	WI
35-56-0065	LAWRENCE VRIEZE		HAMMOND	54015	WI
35-56-0077	CARLYN LUND		WOODVILLE	54028	WI
35-56-0079	WESLEY COWLES		ROBERTS	54023	WI
35-56-0088	BERN-ANN FARM		NEW RICHMOND	54017	WI
35-56-0112	WAYNE LOOCK		HAMMOND	54015	WI
35-56-0118	FREDRICK SCHNITZLER JR.		GLENWOOD CY	54013	WI
35-56-0144	NEIL G HOFFMAN		SPG VALLEY	54767	WI
35-56-0218	SYRUS D LESTRUD		HAMMOND	54015	WI
35-56-0235	HARVEY SERIER		BALDWIN	54002	WI
35-56-0256	CHAS S KELLY		HUDSON	54016	WI
35-56-0261	L H RELANDER	WILLO FARM	NEW RICHMOND	54017	WI
35-56-0392	WILLARD MOERI-WM C HAWLE		HAMMOND	54015	WI
35-56-0444	WILLARD OTT		RIVER FALLS	54022	WI
35-56-0476	JAMES & JOHN R DOORNINK		BALDWIN	54002	WI
35-56-0477	RONALD HEEBINK		BALDWIN	54002	WI
35-56-0518	WES VRIEZE & SONS		BALDWIN	54002	WI
35-56-0536	GARY P. NADEAU	ROUTE 1	GLENWOOD CTY	54013	WI
35-56-0542	A I CRONK JR		WOODVILLE	54028	WI
35-57-0001	ERHARDT SCHULTZ	ROUTE 3	BARABOO	53913	WI
35-57-0006	MAURICE ENGE		SAUK CITY	53583	WI
35-57-0012	DONALD MEYER	ROUTE 1	LOGANVILLE	53943	WI
35-57-0013	CLIFFORD W KLEMM	ROUTE 4 BOX 347	BARABOO	53913	WI
35-57-0017	HOWARD HASHEIDER		SAUK CITY	53583	WI
35-57-0032	PAUL DENMAN	ROUTE 1	LA VALLE	53941	WI
35-57-0042	EDWARD KRUSE		LOGANVILLE	53943	WI
35-57-0043	MARVIN SCHUETTE	ROUTE 3	REEDSBURG	53959	WI
35-57-0045	LA VERNE HASSE		LOGANVILLE	53943	WI
35-57-0047	LEANDER BRANDT		HILLPOINT	53937	WI
35-57-0048	GILLESPIE BROS.		HILLPOINT	53937	WI
35-57-0053	WILLIAM A TANK		SAUK CITY	53583	WI
35-57-0063	KENNETH HANUSA	KENYON E GIESE	LOGANVILLE	53943	WI
35-57-0071	ORLAND REIMER & SONS		LOGANVILLE	53943	WI
35-57-0077	RIDGEWORTH FARMS		HILLPOINT	53937	WI
35-57-0085	FRED SPEICH	ROUTE 3	REEDSBURG	53959	WI
35-57-0087	ROE SHULTIS JR.		REEDSBURG	53959	WI
35-57-0105	HEATHERSTONE ENT.	D. HEGNA, MGR.	BARABOO	53913	WI
35-57-0125	ROBERT ARNESON	RT 1	HILLPOINT	53937	WI
35-57-0155	ALBERT FUCHS		SAUK CITY	53583	WI
35-57-0374	RAY ANDERSON	ROUTE 1	LYNDON STA	53944	WI
35-57-0375	HOWARD F PRATHER	ROUTE 1	LOGANVILLE	53943	WI
35-57-0431	LESTER LURVEY & SONS	ROUTE 2	BARABOO	53913	WI
35-59-0011	DEAN MALUEG	STAR ROUTE	CAROLINE	54928	WI
35-59-0014	VERNON KOHN	ROUTE 1	KRAKOW	54137	WI
35-59-0078	RAYMOND JAREK	ROUTE 1	BONDUEL	54107	WI
35-59-0079	RAYMOND SCHOEPKE	ROUTE I	TIGERTON	54486	WI
35-59-0080	ELROY & MIKE RIEMER	ROUTE 1	CECIL	54111	WI
35-59-0084	ERICH FROEMMING	ROUTE 3	CLINTONVILLE	54929	WI
35-59-0091	HUBERT LINDNER	ROUTE 2	SHAWANO	54166	WI
35-59-0105	WALLACE ZERNICKE	ROUTE 1	CECIL	54111	WI
35-59-0118	GORDON G AINSWORTH	ROUTE 2	PULASKI	54162	WI
35-59-0119	CLIFFORD POWERS	ROUTE 1 BOX 178	PULASKI	54162	WI
35-59-0122	ROBERT KROHLOW	RT 1 BOX 68	BLACK CREEK	54106	WI
35-59-0232	HAROLD PRAHL	ROUTE 3	BIRNAMWOOD	54414	WI
35-59-0388	LOUIS & JEROME BRUNNER	ROUTE 1	BONDUEL	54107	WI
35-59-0505	CHRISTIAN A STEINHAUER		MATTOON	54450	WI
35-60-0001	KLEINHANS GREEN ACRES IN	ROUTE 1	SHEBOYGN FLS	53081	WI
35-60-0024	HENRY F RAUTMANN	ROUTE 1	SHEBOYGAN FLS	53081	WI
35-60-0025	LAACK BROTHERS	ROUTE 2	PLYMOUTH	53073	WI
35-60-0039	ARNO PAYNE	ROUTE 1	WALDO	53093	WI
35-60-0040	WALTER NIERODE	ROUTE 1	WALDO	53093	WI
35-60-0049	FRANCIS WEBB	ROUTE 2	PLYMOUTH	53073	WI
35-60-0051	WALLACE BORN	ROUTE 1	CLEVELAND	53015	WI
35-60-0055	WILLARD A BEUCHEL	ROUTE 2	SHEBOYGAN	53081	WI
35-60-0060	PINEHURST FARM	ROUTE 2	SHEBOYGN FLS	53081	WI
35-60-0064	FRANK & WILLARD UBBELOHD	ROUTE 1	PLYMOUTH	53073	WI
35-60-0073	HARVEY & LESLIE WUNSCH	ROUTE 1	SHEBOYGAN	53081	WI
35-60-0083	MRS FREDERICK SPRENGER	ROUTE 1	SHEBOYGN FLS	53081	WI
35-60-0089	REUBEN BUNGE	ROUTE 1	PLYMOUTH	53073	WI
35-60-0094	STEVE WITKOWSKI	ROUTE 2	PLYMOUTH	53073	WI
35-60-0107	JEROME JUNGE	ROUTE 1	RANDOM LAKE	53075	WI
35-60-0114	JEROLD BERG	ROUTE 1	WALDO	53093	WI
35-60-0117	ORVILLE & MARSHAL REYSEN	ROUTE 1	KEWASKUM	53040	WI
35-60-0121	GENE KAESTNER	ROUTE 1	CLEVELAND	53015	WI
35-60-0123	MARVIN SIEGERT	ROUTE 1	SHEBOYGN FLS	53081	WI
35-60-0125	FREDERICK PERRONNE	ROUTE 1	SHEBOYGN FLS	53081	WI
35-60-0127	RICHARD SCHOLTEN	ROUTE 1	PLYMOUTH	53073	WI
35-60-0128	MARK HESSLINK	ROUTE 1	OOSTBURG	53070	WI
35-60-0199	HOWARD & GERRY MENTINK	ROUTE 1	WALDO	53093	WI
35-60-0320	DALE T CARY	ROUTE 1	GLENBEULAH	53023	WI

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	. . . . ADDRESS OF OWNER . . . . STREET OR ROUTE	TOWN	ZIP-CODE	STATE
35-61-0014	MERL SAMPLOWSKI		STANLEY	54768	WI
35-61-0016	HENRY BURCH		SHELDON	54766	WI
35-61-0017	LE ROY JENSEN	R F D 2	MEDFORD	54451	WI
35-61-0018	DON & ALVIN ABEGGLEN		STETSONVILLE	54480	WI
35-61-0022	GLEN BORMAN	G S R	MEDFORD	54451	WI
35-61-0026	KENNETH MICKE	ROUTE 1	GILMAN	54433	WI
35-61-0210	GERALD TAUCHEN	ROUTE 1	DORCHESTER	54425	WI
35-62-0012	EVERETTE HERNESS		WHITEHALL	54773	WI
35-62-0045	DONALD HARDIE FAMILY	ROUTE 1	BLAIR	54616	WI
35-62-0050	TREMPEALEAU CO. HOSPITAL		WHITEHALL	54773	WI
35-62-0057	MARSHALL NEHRING		TREMPEALEAU	54661	WI
35-62-0067	ARTHUR OFSDAHL JR		ETTRICK	54627	WI
35-62-0068	LEONARD OINES		GALESVILLE	54630	WI
35-62-0071	DOUGLAS R KOPP	ROUTE 2	WHITEHALL	54773	WI
35-62-0117	RICHARD LETTNER		TREMPEALEAU	54661	WI
35-62-0274	STEVE LAMBERSON		WHITEHALL	54773	WI
35-63-0016	FRANCIS DENMAN	ROUTE 3	HILLSBORO	54634	WI
35-63-0023	LAVERNE HALL & SONS		WESTBY	54667	WI
35-63-0032	CLIFFORD UMBERGER		GENOA	54632	WI
35-63-0041	LEONARD CASS		ONTARIO	54651	WI
35-63-0061	ARNIE SHERRY		VIROQUA	54665	WI
35-63-0066	ARTHUR THIEGE	RURAL ROUTE 2	WESTBY	54667	WI
35-63-0071	GORDON SHERRY		WESTBY	54667	WI
35-63-0075	BLAINE BRYE	RFD 2	VIROQUA	54665	WI
35-63-0105	SHERMAN ERLANDSON	ROUTE 1	WESTBY	54667	WI
35-63-0107	ONAHMOND FARMS		READSTOWN	54652	WI
35-63-0110	ALSTON RAAUM		VIROQUA	54665	WI
35-63-0114	RAYMOND BUHR	RURAL ROUTE 3	VIROQUA	54665	WI
35-63-0115	ODEAN JOHNSON	ROUTE 1	GENOA	54632	WI
35-63-0120	M R MCCLURG & SONS	ROUTE 2	VIROQUA	54665	WI
35-63-0124	OLAF GRONVOLD	RURAL ROUTE	CHASEBURG	54621	WI
35-63-0195	PHILIP SHERRY	ROUTE 5	VIROQUA	54665	WI
35-63-0288	JACK L HEAL	ROUTE 4	VIROQUA	54665	WI
35-63-0493	LARRY SULLIVAN	ROUTE 4	VIROQUA	54665	WI
35-65-0002	J SUSINA AND SONS	ROUTE 4	ELKHORN	53121	WI
35-65-0026	DEAN TAYLOR	ROUTE 2 FARM 1	WHITEWATER	53190	WI
35-65-0051	RICHARD FINSTER	ROUTE 3 BOX 127	ELKHORN	53121	WI
35-65-0075	NORBERT STEFFANUS	ROUTE 5 BOX 551	DELAVAN	53115	WI
35-65-0086	HEINRICH WERFELMANN & SO	ROUTE 1	SHARON	53585	WI
35-65-0114	SLEEPY HILL FARM	ROUTE 2 BOX 426	DELAVAN	53115	WI
35-65-0123	WAY CLAU FARM	ROUTE 4 BOX 494	BURLINGTON	53105	WI
35-65-0151	BENJAMIN E DIBBLE	ROUTE 1	DELAVAN	53115	WI
35-65-0173	MAUR-MAR FARMS	ROUTE 1	WALWORTH	53184	WI
35-65-0178	EMIL GREIDANUS & SONS	ROUTE 1	DELAVAN	53115	WI
35-65-0194	BURDETTE W HOLT	ROUTE 2 BOX 22	ELKHORN	53121	WI
35-65-0203	D CLARK & J WINN	ROUTE 2	WHITEWATER	53190	WI
35-65-0214	CLEM WALTER	ROUTE 3	ELKHORN	53121	WI
35-65-0218	WALWORTH CO. FARM		ELKHORN	53121	WI
35-65-0226	THOMAS % DARLENE HILL	R 2 BOX 346 JNSN R	BURLINGTON	53105	WI
35-65-0249	WILLARD MADAUS	ROUTE 4 BOX 183	BURLINGTON	53105	WI
35-65-0265	S W DAIRY HIGHLAND FARM	ROUTE 1 BOX 685	LAKE GENEVA	53147	WI
35-65-0279	DONALD BETTS	ROUTE 2	EAST TROY	53120	WI
35-65-0294	MELVIN CAL ROBERS	ROUTE 4	BURLINGTON	53105	WI
35-65-0297	S W DAIRY GEBHARDT	RURAL ROUTE 2	LAKE GENEVA	53147	WI
35-65-0308	RALPH RUDSINSKI	ROUTE 3 BOX 468	DELAVAN	53115	WI
35-65-0346	SCHMIDT BROS	ROUTE 1 BOX 422	LAKE GENEVA	53147	WI
35-65-0354	ROGER G PETERS	ROUTE 4	ELKHORN	53121	WI
35-65-0359	JAMES MAASS	BOX 654 ROUTE 2	LAKE GENEVA	53147	WI
35-65-0434	WM. ORCHARD	ROUTE 2	EAGLE	53119	WI
35-66-0004	WEBER WEST		SARONA	54870	WI
35-66-0014	DONALD FURCHTENICHT	ROUTE 2	SHELL LAKE	54871	WI
35-66-0015	JOHN FURCHTENICHT		SARONA	54870	WI
35-66-0017	OSWALD RINDSIG	RURAL ROUTE	BIRCHWOOD	54817	WI
35-67-0002	MARK PAMPERIN	ROUTE 1	ALLENTON	53002	WI
35-67-0004	HOWARD PROEBER	ROUTE 3	WEST BEND	53095	WI
35-67-0017	G SCHROEDER E MUTH	ROUTE 1	WEST BEND	53095	WI
35-67-0020	CYRIL ROHDE	ROUTE 3	HARTFORD	53027	WI
35-67-0023	EDWARD MELIUS	FARM 2-ROUTE 1	JACKSON	53037	WI
35-67-0033	EDWARD & HARVEY KLUMB	ROUTE 3	WEST BEND	53095	WI
35-67-0042	MAYERS FARMS R.H. & F.R.	ROUTE 1 BOX 247	SLINGER	53086	WI
35-67-0043	ANTON WIEDMEYER	ROUTE 1	RICHFIELD	53076	WI
35-67-0052	W M & O H PHILIPPI	ROUTE 6	WEST BEND	53095	WI
35-67-0054	THOMAS WIEDMEYER	ROUTE 1	WEST BEND	53095	WI
35-67-0069	JAMES ESSELMANN	ROUTE 6	WEST BEND	53095	WI
35-67-0074	JOHN HORLAMUS	ROUTE 4	WEST BEND	53095	WI
35-67-0078	ELMER BECKER	ROUTE 3	HARTFORD	53027	WI
35-67-0081	ROLAND & GERALD RATE	ROUTE 3	WEST BEND	53095	WI
35-67-0087	JAMES A WIEDMEYER	ROUTE 1	WEST BEND	53095	WI
35-67-0091	PETE & ROBERT LANGENECKE	ROUTE 2	HARTFORD	53027	WI
35-67-0209	DALE E MELIUS	ROUTE 1	JACKSON	53037	WI
35-67-0252	LEROY & SUSAN YOGERST	ROUTE 1 BOX 62	HARTFORD	53027	WI
35-68-0002	L OWENS & R BAEHLER	2609 CTHCC	OCONOMOWOC	53065	WI
35-68-0009	MERVIN DALTON	R 1 BOX 226	HARTLAND	53029	WI
35-68-0013	KOEPKE FARM INC	37326 ONEIL RD	OCONOMOWOC	53066	WI
35-68-0030	DONALD KLUSSENDORF	BOX 34	NO PRAIRIE	53153	WI

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	ADDRESS OF OWNER: STREET OR ROUTE	TOWN	ZIP-CODE	STATE
35-68-0045	RUSSELL MOYER	3785 MILKY WAY	WAUKESHA	53186	WI
35-68-0050	ALVIN C. BASSE	ROUTE 1	MUSKEGO	53150	WI
35-68-0052	RAY BAUMGARTNER & SONS	ROUTE 1	EAGLE	53119	WI
35-68-0054	KUHTZ BROS	ROUTE 2	WAUKESHA	53186	WI
35-68-0063	FRYDA JERSEYS	W250N8243 HILLSIDE	SUSSEX	53089	WI
35-68-0067	WM B VILTER	ROUTE 1, BOX 1	HARTLAND	53029	WI
35-68-0071	MAWDOWY FARM	ROUTE 1	DOUSMAN	53118	WI
35-68-0075	A V & J A CULL	ROUTE 3 BOX 665	PEWAUKEE	53072	WI
35-68-0078	MORRIS BROS	ROUTE 4 BOX 122	OCONOMOWOC	53066	WI
35-68-0083	LURVEY BROS		DOUSMAN	53118	WI
35-68-0091	DONALD BURTON	ROUTE 1	EAGLE	53119	WI
35-68-0095	ALVIN KAU	RR 1 BOX 32	EAGLE	53119	WI
35-68-0097	GEORGE KAU	ROUTE 1	EAGLE	53119	WI
35-68-0120	GEO MC KERROW AND SON	FARM 1	PEWAUKEE	53072	WI
35-68-0121	JAMES WENDT	30780 SUMMIT AVE	WAUKESHA	53186	WI
35-68-0128	GEO MC KERROW AND SON	FARM 2	PEWAUKEE	53072	WI
35-68-0130	HENRY FEDER	ROUTE 2	MUKWONAGO	53149	WI
35-68-0137	TREVOR WILLIAMS	ROUTE 1	WAUKESHA	53186	WI
35-68-0141	RICHARD KIPP	34098 HYGG	DOUSMAN	53118	WI
35-68-0148	FOUR-LINKS GUERNSEY FARM	S101W24575 FRST HM	BIG BEND	53103	WI
35-68-0154	RED BRAE FARM		EAGLE	53119	WI
35-68-0161	CHESTER&BARBARA WILLIAMS	ROUTE 1 BOX 119	WAUKESHA	53186	WI
35-68-0193	BOGGS & LINDGREN	36625 MAPLETON ROA	OCONOMOWOC	53066	WI
35-68-0205	JOSEPH J SPOKE	738 EAST MAIN ST	WALES	53183	WI
35-68-0211	LYLE LURVEY	3853 HWY 67	DOUSMAN	53118	WI
35-68-0213	ANTHONY KAU	ROUTE 1 BOX 23	EAGLE	53119	WI
35-69-0018	LEON & DOUGLAS THOMA	ROUTE 2	NEW LONDON	54961	WI
35-69-0029	LEONARD KOBISKE	ROUTE 3	WAUPACA	54981	WI
35-69-0033	R H & E J SMITH	ROUTE 4	WAUPACA	54981	WI
35-69-0039	ANDREW ANDERSON		OGDENSBURG	54962	WI
35-69-0052	DONALD & KEITH LONG	ROUTE 2 BOX 372	WEYAUWEGA	54983	WI
35-69-0055	JAMES HOLMAN	ROUTE 2	WAUPACA	54981	WI
35-69-0068	PALMER MYHRA	ROUTE 2	IOLA	54945	WI
35-69-0207	ROYAL V WASRUD JR	ROUTE 1	SCANDINAVIA	54977	WI
35-69-0215	DENNIS & DAVID SANDERS	ROUTE 1	FREMONT	54940	WI
35-69-0226	FRANK BAUER	ROUTE 1	SCANDINAVIA	54977	WI
35-69-0257	DON L FERG	ROUTE 2	MANAWA	54949	WI
35-69-0299	KENNETH MATHIS		IOLA	54945	WI
35-70-0001	RICHARD BLOCH		PLAINFIELD	54966	WI
35-70-0006	JOHN SATTLER		POY SIPPI	54967	WI
35-70-0007	LEONARD & STEWART SATTLE	ROUTE 1	PINE RIVER	54965	WI
35-70-0033	GEORGE SORENSON		PINE RIVER	54965	WI
35-70-0099	ALLAN KILLAM	ROUTE 1	PINE RIVER	54965	WI
35-71-0008	PAUL FOWLER	6170 FOND DU LAC R	OSHKOSH	54901	WI
35-71-0010	CHARLES FOOTE JR	ROUTE 2	OMRO	54963	WI
35-71-0011	GRUNDY FARMS	1556 SUNNYVIEW ROA	OSHKOSH	54901	WI
35-71-0013	RAYMOND KOEPP	ROUTE 2	FREMONT	54940	WI
35-71-0017	G F DE KEYSER	1955 S COMMERCIAL	NEENAH	54956	WI
35-71-0022	BASLER FARMS	5728 KNAPF ST RT 2	OSHKOSH	54901	WI
35-71-0033	EUGENE ANDERSON	9040 GREEN MEADOW	OSHKOSH	54901	WI
35-71-0037	PHIL COWAN	710074	OSHKOSH	54901	WI
35-71-0045	WINNEBAGO STATE FARM		WINNEBAGO	54985	WI
35-71-0050	EDWARD BUEHRING	1489 SAND PIT RD P	OSHKOSH	54901	WI
35-71-0057	RAY VANDER HEIDEN	ROUTE 2	NEENAH	54956	WI
35-71-0071	GEORGE DOBBERKE	RT 1 VINLAND CTR R	NEENAH	54956	WI
35-71-0072	JOHN BRADLEY	5545 DEER DR-RT 1	PICKETT	54964	WI
35-71-0079	WILLIAM G HUGHES & SONS	7069 WAUPUN ROAD R	OSHKOSH	54901	WI
35-71-0083	ARNOLD SCHONSCHECK	ROUTE 2	OMRO	54963	WI
35-71-0086	W G HARNESS & SONS	1605 BREEZEWOOD LA	NEENAH	54956	WI
35-71-0088	ROBERT KIRK	ROUTE 1	OMRO	54963	WI
35-71-0110	VERNON KEYS	ROUTE 2 BOX 69A	OMRO	54963	WI
35-71-0157	F DAVID KAUFMANN	479 INDIAN PT RD	OSHKOSH	54901	WI
35-71-0165	EUGENE KOCH	1877 CENTER ROAD	NEENAH	54956	WI
35-72-0024	MARSHFIELD EXP STAT		MARSHFIELD	54449	WI
35-72-0030	CHARLES HUSER	RR	VESPER	54489	WI
35-72-0032	ELMER GARRELS		PITTSVILLE	54466	WI
35-72-0042	JIM URBAN	ROUTE 2	PITTSVILLE	54466	WI
35-72-0080	ALEX WEIGEL	ROUTE 5	MARSHFIELD	54449	WI
35-72-0161	ALFRED J KRINGS	ROUTE 2	AUBURNDALE	54412	WI
35-73-0001	G KERR & R BABLER	302 S CHURCH	ORANGEVILLE	61060	IL
35-73-0050	OSCAR HALL & SONS	ROUTE 1	CLINTON	53525	IL
41-01-0005	TURNOCK BROTHERS		LAWLER	55759	MN
41-02-0008	MARVIN S LARSON	L-PINE FARM R R 2	ANOKA	55303	MN
41-02-0049	RAYMOND JONES	R R 1	ELK RIVER	55330	MN
41-03-9085	MYRTLE HIMRUM		LAKE PARK	56554	MN
41-05-0006	CARL H BACKES	R 2	SAUK RAPIDS	56379	MN
41-05-0029	ARCHIE & MIKE EICHLER	R R	OAK PARK	56357	MN
41-05-0061	JOSEPH SCHUSTAK	R R 1	FOLEY	56329	MN
41-05-0063	REUBEN S SCHUMANN	R R 1	RICE	56367	MN
41-05-9098	MELVIN & LARRY HACKETT	R R 1	RICE	56367	MN
41-07-0030	HILBERT BERGEMANN		GOOD THUNDER	56037	MN
41-07-0036	POPPE BROS		GOOD THUNDER	56037	MN
41-07-0052	WAYNE W BOESE	R R	MORRISTOWN	55052	MN
41-07-0067	HUBBARD MILLING CO		MANKATO	56001	MN
41-07-0102	LOREN BROMELING & SONS	R R 1	EAGLE LAKE	56024	MN

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	ADDRESS OF OWNER: STREET OR ROUTE	TOWN	ZIP-CODE	STATE
41-07-9029	DONALD GLAMM	R R 3	JANESVILLE	56048	MN
41-07-9096	BLAINE P PHILLIPS	R R 3	JANESVILLE	56048	MN
41-08-0079	BENJAMIN J FISCHER	R R 1	SLEEPY EYE	56085	MN
41-08-0115	HAROLD J FISCHER	R R 2	SLEEPY EYE	56085	MN
41-08-9004	DENNIS SANDMANN	ROUTE 1	NEW ULM	56073	MN
41-08-9008	HAROLD E PORTNER	ROUTE 3	SLEEPY EYE	56085	MN
41-08-9010	OLIVER MARTI & SONS	R R 1	SLEEPY EYE	56085	MN
41-09-0053	MATTSON BROS		WRENSHALL	55797	MN
41-09-0062	ROBERT SLATER	R R 2	MAHTOWA	55762	MN
41-09-0104	CLARENCE GUSTAFSON	R R 2 BOX 99	MAHTOWA	55762	MN
41-09-0106	DONALD A ANDERSON	R R 1 BOX 50	MOOSE LAKE	55767	MN
41-10-0035	HAROLD BRUESEHOFF		COLOGNE	55322	MN
41-10-0065	CARL A HEDTKE	R R	YOUNG AMERICA	55397	MN
41-10-0082	CLIFFORD TRENDE	R R 1 BOX 115	COLOGNE	55322	MN
41-10-0131	EDWIN BRUEGGEMEIER	R R	NORWOOD	55368	MN
41-10-0179	LOTHAR WOLTER & SONS		NORWOOD	55368	MN
41-10-0240	CHARLES DIETZEL		COLOGNE	55322	MN
41-10-0275	BRUEGGEMEIER BROS		NEW GERMANY	55367	MN
41-10-0300	GLENN TRAVER		COLOGNE	55322	MN
41-10-0314	HENRY D LENZEN	R R 1 BOX 84	WATERTOWN	55388	MN
41-10-0324	DARREL KUTZKE	R R 1 BOX 149	MAYER	55360	MN
41-10-0335	EARL GNAN	R R 1	NORWOOD	55368	MN
41-10-0339	HIRAM E GRIMM	R R 1	COLOGNE	55322	MN
41-10-0347	JAMES LAUMANN & SONS		YOUNG AMERICA	55397	MN
41-10-0368	RUDIGER GRAF		WATERTOWN	55388	MN
41-10-9062	EARL KRATZKE	R R 1	COLOGNE	55322	MN
41-10-9066	DUANE HEUER	R R 1 BOX 193	NORWOOD	55368	MN
41-10-9068	PAUL OELFKE AND SON		HAMBURG	55339	MN
41-10-9311	DARWIN H STOCK	R R	YOUNG AMERICA	55397	MN
41-11-9027	NORMAN WILKINS	R R BOX 38	MOTLEY	56466	MN
41-14-0092	LLOYD SETER AND SON		GLYNDON	56547	MN
41-14-0103	ROBERT C LEWIS		BAKER	56513	MN
41-14-9073	GARY B WORKMAN		BORUP	56519	MN
41-15-0016	ALVIN KATZENMEYER		LAKE ITASCA	56460	MN
41-17-0005	ABE EWERT		BINGHAM LAKE	56118	MN
41-19-0004	HOWLAND BROS	R R 3	NORTHFIELD	55057	MN
41-19-0047	W A AND WILBERT SCHAFFER	RTE 3	CANNON FALLS	55009	MN
41-19-0110	DENNIS P OLEARY JR		ROSEMOUNT	55068	MN
41-19-0198	DONALD BOGUE	R R 2	FARMINGTON	55024	MN
41-19-0206	BETZOLD BROS	R R	FARMINGTON	55024	MN
41-19-0210	HAROLD WACHTER & SON		ROSEMOUNT	55068	MN
41-19-0256	EUGENE SCHAFFER		CANNON FALLS	55009	MN
41-19-9039	W L CARROLL & SONS	R R 3	ROSEMOUNT	55068	MN
41-19-9059	DONAL J CARROLL		ROSEMOUNT	55068	MN
41-19-9064	HENRY W TRAPP	SKY-VU HOLSTEINS	HASTINGS	55033	MN
41-19-9077	AUGUST & BOB LEIFELD	R R 3	CANNON FALLS	55009	MN
41-19-9135	UNIV OF MINNESOTA HOL	EXPERIMENT STA	ROSEMOUNT	55068	MN
41-19-9174	UNIV OF MINNESOTA MSH	EXPERIMENT STA	ROSEMOUNT	55068	MN
41-19-9222	UNIV OF MINN GUER	EXPERIMENT STA	ROSEMOUNT	55068	MN
41-20-0005	MYRON ALBERTS		PINE ISLAND	55963	MN
41-20-0006	KENNETH ALBERTS		PINE ISLAND	55963	MN
41-20-0015	HAVEN BARTEL AND SON	RR 2	KASSON	55944	MN
41-20-0018	DONALD GOCHNAUER		KENYON	55946	MN
41-20-0031	JOHN CHAPIN		DODGE CENTER	55927	MN
41-20-0067	ROBERT TIEDEN JER		HAYFIELD	55940	MN
41-20-0113	KARYL KENNEDY		PINE ISLAND	55963	MN
41-20-0140	WILLIS C MILLER		WEST CONCORD	55985	MN
41-20-0176	WILLIAM O SCHUTZ	R R	PINE ISLAND	55963	MN
41-20-9010	CLARENCE & ELLWYN SMITH	WASIOJA HOLSTEIN	DODGE CENTER	55927	MN
41-21-0006	MRS KENNETH FERRIS		OSAKIS	56360	MN
41-21-0017	H G & D H JOHNSON		FARWELL	56327	MN
41-21-0084	DELAIR MELZER		NELSON	56355	MN
41-21-0136	EARL ERICKSON		EVANSVILLE	56326	MN
41-21-0207	BRYAN WITHERS	R R	OSAKIS	56360	MN
41-21-9001	ROBERT W WITHERS & SONS	R R 1	OSAKIS	56360	MN
41-22-0056	LOUIS & CHARLES HEITZEG		KIESTER	56051	MN
41-22-0120	RALPH DUTTON	R R 2	BLUE EARTH	56013	MN
41-22-9015	GEO LORENZ & H F GABBERT	WALNUT LAKE FARM	WELLS	56097	MN
41-22-9022	GENE HANKS		WINNEBAGO	56098	MN
41-23-0025	MURRELL JACOBSON		HARMONY	55939	MN
41-23-0047	ARNE AGRIMSON		PETERSON	55962	MN
41-23-0051	MRS LOUISE RUNGE & SONS	R R	HARMONY	55939	MN
41-23-0091	PORTER-WAYNE BROADWATER	R R 1	PRESTON	55965	MN
41-23-0319	JOHN Z SMITH	R R 2	HARMONY	55939	MN
41-23-9001	ELVIN PAULSON & SONS	R R 1 BOX 195	HOUSTON	55943	MN
41-23-9296	ROBERT D LAWSTUEN & SONS		LANESBORO	55949	MN
41-24-0041	RICHARD W RUBLE	R R 4	AUSTIN	55912	MN
41-24-0115	JAMES A GROTSUN		HARTLAND	56042	MN
41-24-0165	DAVID LARSON	R R 1	ALBERT LEA	56007	MN
41-24-0175	ARNOLD BERGSTROM	R R 4	AUSTIN	55912	MN
41-24-9001	RALPH W AND ROBERT WAYNE	R R 2	ELLENDALE	56026	MN
41-24-9009	CHRIS W SKAAR		HAYWARD	56043	MN
41-24-9044	ARTHUR ULLAND	R R 1 BOX 246	AUSTIN	55912	MN
41-24-9082	RAYMOND MILLER	R R 4 BOX 233	AUSTIN	55912	MN
41-25-0002	FORREST PATTERSON	R R 1	KENYON	55946	MN

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	. . . . A D D R E S S O F O W N E R . . . . STREET OR ROUTE	TOWN	ZIP-CODE	STATE
41-25-0034	VERNALD SAMUELSON		CANNON FALLS	55009	MN
41-25-0035	WILLARD DIBBLE JR	R R 3	CANNON FALLS	55009	MN
41-25-0057	LLOYD TANGEN	R R 2	PINE ISLAND	55963	MN
41-25-0061	WILLIAM HEYDMANN	R R 2	ZUMBROTA	55992	MN
41-25-0072	PLEVKE BROS	R R 2	ZUMBROTA	55992	MN
41-25-0128	RICHARD REESE	R R	GOODHUE	55027	MN
41-25-0148	JOHN KISPERT & SON	R R	NERSTRAND	55053	MN
41-25-0156	ALLEN HJERMSTAD	MAPLE LANE FARM	ZUMBROTA	55992	MN
41-25-0159	LEVERNE VANGSNESS		KENYON	55946	MN
41-25-0267	GERHARD BJUGAN	R R 2	PINE ISLAND	55963	MN
41-25-0299	HARLAN STEHR	R R	GOODHUE	55027	MN
41-25-0301	RON DOHMAN	R R 1	DENNISON	55018	MN
41-25-0352	KYLLO HILLTOP FARM	R R	ZUMBROTA	55992	MN
41-25-0385	WESLEY B MILLER	RT 1	PINE ISLAND	55963	MN
41-25-0392	EDWARD MANTHEI	R R 1	PINE ISLAND	55963	MN
41-25-0416	JOHN SCHAFER		LAKE CITY	55041	MN
41-25-0481	WALLACE E WILLE	R R 3	KENYON	55946	MN
41-25-0503	HERBERT H FREDRICKSON	R R	ZUMBROTA	55992	MN
41-25-0515	WAYNE RASMUSSON	BOX 245	WANAMINGO	55983	MN
41-25-9012	WALTER A CORDES	R R 2	LAKE CITY	55041	MN
41-25-9139	SELMER FOSS & SONS NO 1	R R 3	KENYON	55946	MN
41-25-9142	C J VANGSNESS AND SON	R R 3	KENYON	55946	MN
41-25-9359	MERLE SCHWARTAU	R R 4	RED WING	55066	MN
41-25-9380	LEROY MILLER	R R 1	KENYON	55946	MN
41-25-9488	SELMER FOSS& SONS NO 2	R R 3	KENYON	55946	MN
41-26-0024	ORRIN&GEROLD CHRISTENSON	R R 1	WENDELL	56590	MN
41-27-0029	WESLEY & EILEEN ROEHLKE	ROUTE 1	ROGERS	55374	MN
41-27-0046	DANIEL G BOLKCOM	RT 1	DELANO	55328	MN
41-27-0152	GERALD J DEHN	R R 6 BOX 76	ANOKA	55303	MN
41-27-0272	JOHN MEISTER	R R 1	HAMEL	55340	MN
41-28-0139	KENNETH-GERALD BRATLAND	R R 2	SPRING GROVE	55974	MN
41-28-0159	VERNON ROBLE	R R 2	SPRING GROVE	55974	MN
41-28-9008	GEO J HENDEL AND SONS	RFD 1	CALEDONIA	55921	MN
41-28-9009	CLETUS SCHLIECH		CALEDONIA	55921	MN
41-28-9026	GUY SMITH + R BOLDT	R R 2	HOUSTON	55943	MN
41-28-9095	DONALD FORT	R R 1	HOUSTON	55943	MN
41-30-0004	DEANE T SKOGMAN	LAKE HAVEN FM RR1	CAMBRIDGE	55008	MN
41-30-0017	LYLE SCHLEIF	R R 1	ZIMMERMAN	55398	MN
41-30-0049	WILLIAM V BINGER		CAMBRIDGE	55008	MN
41-31-9002	NO CENT AGR EXP STATION	DR J W RUST	GRAND RAPIDS	55744	MN
41-32-0066	R G AND EDWARD MILBRATH	R R 3	LAKEFIELD	56150	MN
41-33-0071	GERRETT OSTERDYK	R R 2 BOX 101	OGILVIE	56358	MN
41-33-0076	EARL SIGSTAD	R R 3	MORA	55051	MN
41-33-0082	LOTHAIR BRACEWELL & SON	R R 1	OGILVIE	56358	MN
41-33-0143	JAMES MC ELROY	R R 2 BOX 49	BROOK PARK	55007	MN
41-33-9054	KENNETH W ANGSTMAN		MORA	55051	MN
41-34-0012	ROGER H JOHNSON	R R 1	ATWATER	56209	MN
41-34-0122	RICHARD BACKLUND		KANDIYOHI	56251	MN
41-34-0128	WILLIAM E BLOCK JR	R R 1 BOX 79	KANDIYOHI	56251	MN
41-40-0005	DALE SAPP		LE CENTER	56057	MN
41-40-0013	LIONEL A BOLDTHEN		LE SUEUR	56058	MN
41-40-0019	FLOYD BAULEKE	RR 1	LE SUEUR	56058	MN
41-40-0043	ROEMHILDT BROS		CLEVELAND	56017	MN
41-40-0053	JAMES BAKER		CLEVELAND	56017	MN
41-40-9041	MINN VALLEY BREEDERS		NEW PRAGUE	56071	MN
41-41-0002	EWALD EVERS		LAKE BENTON	56149	MN
41-41-0050	ROBERT KUHN		LAKE BENTON	56149	MN
41-41-9008	DUANE GREGOR		TYLER	56178	MN
41-41-9033	ROLLAND JOHNSON		TYLER	56178	MN
41-42-0027	ORVILLE HENNEN		GHENT	56239	MN
41-42-9026	BOT BROS		MARSHALL	56258	MN
41-44-0009	JAMES R MUZZY	R R 2	THIEF RIVER FALLS	56701	MN
41-44-0031	LOYAL HOLMSTROM		NEWFOLDEN	56738	MN
41-45-0004	MARLAN EBELING	RR	SHERBURN	56171	MN
41-45-0005	LYLE WEISS	R R 1	SHERBURN	56171	MN
41-45-0006	HERBERT LANGE	ROUTE 2	SHERBURN	56171	MN
41-45-0052	JAMES CALKINS		GUCKEEN	56040	MN
41-45-0108	JACK ILIFF	R R 1	GRANADA	56039	MN
41-45-0173	JOEL THIESSE	R R	CEYLON	56121	MN
41-45-0198	ROBERT A OLSON		ALPHA	56111	MN
41-45-9147	ROBERT G SHOEN	RURAL ROUTE 2	TRUMAN	56038	MN
41-46-0005	CLEM MACKENTHUN		BROWNTON	55312	MN
41-46-0020	MELVIN A SPRENGLER	R R	PLATO	55370	MN
41-46-0021	RAYMOND & LOREN OLSON	R R 4	HUTCHINSON	55350	MN
41-46-0028	EDGEWOOD FARMS	R R 3	HUTCHINSON	55350	MN
41-46-0050	EDWIN & ELROY BARGMANN	R R	GLENCOE	55336	MN
41-46-0078	GLEN ANDERSON		LESTER PRAIRIE	55354	MN
41-46-0171	HILLARD BULLERT	R R 2	GLENCOE	55336	MN
41-46-0198	L PETERSON & A WENDORFF	R R 3	HUTCHINSON	55350	MN
41-46-0397	GRANT G KNUTSON	R R 4	HUTCHINSON	55350	MN
41-46-0417	KENNETH FREDRICKSON	R R 1	HUTCHINSON	55350	MN
41-46-9021	RAYMOND & LOREN OLSON	R R 4	HUTCHINSON	55350	MN
41-46-9022	EARL & DENNIS OLSON	% EARL OLSON RR 4	HUTCHINSON	55350	MN
41-46-9025	DONALD J MARTENS		HUTCHINSON	55350	MN
41-46-9034	DONALD JERGENS	R R 2	HUTCHINSON	55350	MN

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	. . . . ADDRESS OF OWNER . . . . STREET OR ROUTE	TOWN	ZIP-CODE	STATE
41-46-9056	LOWELL PETERSON	R R 4	HUTCHINSON	55350	MN
41-46-9090	LEROY DONNAY	R R 2	GLENCOE	55336	MN
41-46-9216	VERNON WROGE	R R 1	PLATO	55370	MN
41-46-9275	FRED M KUEHL	R R 3	HUTCHINSON	55350	MN
41-46-9312	JOHN KLAPOTZ	R R 1	HUTCHINSON	55350	MN
41-46-9364	ROGER K OLSON	R R 4	HUTCHINSON	55350	MN
41-47-0002	RICHARD URDAHL	R R 1 BOX 150	LITCHFIELD	55355	MN
41-47-0026	HARLAND SLINDEN	R R 1	GROVE CITY	56243	MN
41-47-0056	ALOYS WESTRUP	R R 3	LITCHFIELD	55355	MN
41-47-0171	ROGER ZUMMACH	R R 4	HUTCHINSON	55350	MN
41-47-0201	EUGENE NYQUIST		COKATO	55321	MN
41-48-0031	DON TIMMER	R R 2	MILACA	56353	MN
41-48-0062	RAY EDGREN	ROUTE 1	FORESTON	56330	MN
41-48-0091	JOHN A GUNNINK	R R 2	PRINCETON	55371	MN
41-48-0159	AL GRUBA	R R 1	FORESTON	56330	MN
41-48-9139	ROBERT L MAPLES	R R 2 BOX 207	MILACA	56353	MN
41-49-0020	CARL VIRNIG AND SON	R R 1	PIERZ	56364	MN
41-49-0053	JAMES ANDRES	R R 1	PIERZ	56364	MN
41-49-0068	JAMES AND CURTIS THEIS	R R 2	PIERZ	56364	MN
41-49-0075	BOB HAPPKE	R R 1	PIERZ	56364	MN
41-49-0081	NIEL ADAMEK	R R 1	RANDALL	56475	MN
41-49-0130	HARRY MCDONALD	R R 3	PIERZ	56364	MN
41-49-0145	JEROME KEMPENICK	R R 1	RANDALL	56475	MN
41-50-0036	JOHN H HILL		ADAMS	55909	MN
41-50-0059	MELVIN THOME	R 1	ADAMS	55909	MN
41-50-0133	WILFRED BISSEN		ROSE CREEK	55970	MN
41-50-0165	DAVID LORENZEN	BOX 92	GRAND MEADOW	55936	MN
41-50-9011	B J HUSEBY AND SONS		ADAMS	55909	MN
41-51-9015	HENRY KRUEN		IONA	56141	MN
41-52-0019	LYLE SEITZER	R R	ST PETER	56082	MN
41-52-0021	NATHAN O BODE	R R 1	NICOLLET	56074	MN
41-52-0040	LLOYD SEITZER	RFD	ST PETER	56082	MN
41-52-0064	CARL MARTENS		LAFAYETTE	56054	MN
41-52-0080	RUSSELL THOMPSON	R R 2	NICOLLET	56074	MN
41-52-0101	LYLE F WELDY & SONS	FAIRLIN FARMS RR 1	FAIRFAX	55332	MN
41-52-9083	HENRY GIESEKE JR	RT 3	NEW ULM	56073	MN
41-54-0049	ALBERT J MERKINS	R R 1	ADA	56510	MN
41-54-9017	ELDO N BENTLEY	R R 2	TWIN VALLEY	56584	MN
41-54-9033	JAMES HUSEBY		FLOM	56541	MN
41-55-0032	CHARLES J ANDPIST	PP	PINE ISLAND	55963	MN
41-55-0394	DWAINE KIEHNE	R R 2	CHATFIELD	55923	MN
41-55-0417	JIM SCHROEDER	3100 48TH ST NW	ROCHESTER	55901	MN
41-55-9070	ALTON W PAGEL	R R 3 BOX 100	ROCHESTER	55901	MN
41-55-9174	LOREN BIERBAUM	R R	EYOTA	55934	MN
41-55-9255	DR ESSEX & H HEINS	5455 W RIVER RD NW	ROCHESTER	55901	MN
41-55-9403	ALVIN R NISBIT AND SONS	R R 2	ROCHESTER	55901	MN
41-56-0073	HAROLD UKKELBERG		CLITHERALL	56524	MN
41-56-0078	ORVILLE FURNESS	R R 1	UNDERWOOD	56586	MN
41-56-0079	HERB AND ALLEN SCHROEDER	R R 3	FERGUS FALLS	56537	MN
41-56-0153	PHILIP PAHAN	R R 1	UNDERWOOD	56586	MN
41-56-0328	ARNOLD TUMBERG		NEW YORK MILLS	56567	MN
41-56-0335	SOPUM DAIRY	R R	PELICAN RAPIDS	56572	MN
41-56-0342	JOE CRABB	R R 3	WADENA	56482	MN
41-56-0343	JAMES A TEGTMEIER		BATTLE LAKE	56515	MN
41-56-0385	OBERT AABERG		ROTHSAY	56579	MN
41-56-0515	JIM CRABB		HEWITT	56453	MN
41-56-0553	ALVIN B SCHOON	R R 3 BOX 82	WADENA	56482	MN
41-56-0590	JORAINE CRABB	R R 3	SEBEKA	56477	MN
41-56-9550	CHUCK M WILL	R R 1	UNDERWOOD	56586	MN
41-58-0089	LONNIE JOHNSON	R R 2	PINE CITY	55063	MN
41-58-0122	CHENG-WA-ME CORPORATION	ALBERT WANOUS R 3	PINE CITY	55063	MN
41-58-0130	JOHN F ECKLUND	R R 1 BOX 144	ASKOV	55704	MN
41-58-0132	TED RASMUSSEN	R R 1	PINE CITY	55063	MN
41-58-9017	HJALMAR WESTMAN AND SON		RUSH CITY	55069	MN
41-59-0067	KENNETH VELDKAMP		HOLLAND	56139	MN
41-60-9010	N W AGR EXP STATION	DR GEORGE D MARX	CROOKSTON	56716	MN
41-60-9027	DONALD F TAUS		ANGUS	56712	MN
41-60-9090	LLOYD J KASPRICK	BOX 33	ANGUS	56712	MN
41-64-0070	WALTER DALLENBACH	R R 1 BOX 24	MORGAN	56266	MN
41-64-0091	ANTHONY GJETTER	R R	WABASSO	56293	MN
41-64-0119	ARTHUR MAAS		WALNUT GROVE	56180	MN
41-66-0006	ARCHIE L SANBORN	R R 1	FARIBAULT	55021	MN
41-66-0012	PHILLIP PARSONS	R R 1	NORTHFIELD	55057	MN
41-66-0013	BURTON PETERSON	R R 1	NORTHFIELD	55057	MN
41-66-0028	JOHN F GRIMM	R R 1 BOX 163	FARIBAULT	55021	MN
41-66-0031	JOHN & MILTON OLSON	R R 1	FARIBAULT	55021	MN
41-66-0039	JUSTICE RADTKE		KENYON	55946	MN
41-66-0056	ORVILLE R WEGNER	R R 3	FARIBAULT	55021	MN
41-66-0062	WALTER R FUCHS		NERSTRAND	55053	MN
41-66-0064	CHAS SAMMON & SONS	R R	FARIBAULT	55021	MN
41-66-0071	ED AND CLIFF MESCHKE		MORRISTOWN	55052	MN
41-66-0081	LUVERNE BAUER	R R 1	FARIBAULT	55021	MN
41-66-0210	NORMAN WEGNER	R R 2	FARIBAULT	55021	MN
41-66-0228	MAX AND GENE BERTRAM		WARSAW	55087	MN
41-66-0240	RICHARD E MILLER	R R 1	NORTHFIELD	55057	MN

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	. . . . A D D R E S S O F O W N E R . . . . STREET OR ROUTE	TOWN	ZIP-CODE	STATE
41-66-0295	STEVEN & EDWARD DREWITZ	R R 3	FARIBAULT	55021	MN
41-66-9227	JOHN & FLORENCE VOLKERT		DENNISON	55018	MN
41-67-9103	HENRY J VIS	R R	BEAVER CREEK	56116	MN
41-68-0045	WILLIAM WILSON		GREENBUSH	56726	MN
41-68-0048	ROBERT BRINKMAN	STAR R A	ROSEAU	56751	MN
41-69-0069	ART CAPPO		CHISHOLM	55719	MN
41-70-0036	KLEHR BROS	R R 2	SHAKOPEE	55379	MN
41-70-0076	WALLACE J HUSS	R R 1	JORDAN	55352	MN
41-70-0161	GORDON THOMPSON		LAKEVILLE	55044	MN
41-70-0167	DONALD BREEGGEMANN	R R 2 BOX 32	SHAKOPEE	55379	MN
41-70-9026	J DONALD SEIFERT		JORDAN	55352	MN
41-70-9031	DAVID MINAR	R R 2	NEW PRAGUE	56071	MN
41-71-0002	RICHARD HINKLE	R R 1	ELK RIVER	55330	MN
41-71-0039	HAROLD MITCHELL	R R	BIG LAKE	55309	MN
41-71-0046	SWANSON BROS	KENNETH-MARVIN RR	BIG LAKE	55309	MN
41-72-0002	RAY SALLSTROM		WINTHROP	55396	MN
41-72-0005	JAMES LIND		WINTHROP	55396	MN
41-72-0025	ARNOLD DIEHN	R R	ARLINGTON	55307	MN
41-72-0029	RUBEN JUTZ		GIBBON	55335	MN
41-72-0033	HER-MAR DAIRY FARM		GREEN ISLE	55338	MN
41-72-0045	TONY KACHELMEIER	R R	GIBBON	55335	MN
41-72-0051	ERNEST PERSCHAU AND SON	R R 1	GLENCOE	55336	MN
41-72-0108	MICHAELIS FARM	R R 1	ARLINGTON	55307	MN
41-72-0122	JAMES P MULLEN	R R	GREEN ISLE	55338	MN
41-72-0144	EARL E WIEMAN	R R 1	ARLINGTON	55307	MN
41-72-0180	LARRY JENNEKE		YOUNG AMERICA	55397	MN
41-72-9042	VIRGIL BELTER	R R 1	GLENCOE	55336	MN
41-72-9078	LUVERNE BERGS	R R	ARLINGTON	55307	MN
41-72-9198	BOB BOLTMANN	R R 1	HAMBURG	55339	MN
41-73-0055	HAROLD & DAVID JENNISSEN		SAUK CENTRE	56378	MN
41-73-0122	NORBERT GOEBEL		ALBANY	56307	MN
41-73-0557	LOUIS STANG	R R 1	REGAL	56366	MN
41-73-0677	IRVIN STANG	R R 2	RICHMOND	56368	MN
41-73-0702	ROMAN WALDORF	R R 1	ALBANY	56307	MN
41-73-0786	ALOYS KLASSEN	R R 1	FREEPORT	56331	MN
41-73-9030	BERT SCHWINGHAMER	RT 1	ALBANY	56307	MN
41-73-9045	ED FIEDLER	R R 2 BOX 70	SAUK CENTRE	56378	MN
41-73-9196	CONRAD ZEHRER		SAUK CENTRE	56378	MN
41-73-9224	ANTHONY JENNISSEN	R R 1	SAUK CENTRE	56378	MN
41-73-9327	ALOYSIUS LUETMER	R R 2	MELROSE	56352	MN
41-73-9336	ALCUIN GOEBEL	R R 1	FREEPORT	56331	MN
41-74-0047	LORENZ WILKER	R R 1	OWATONNA	55060	MN
41-74-0048	ROGER & GORDON HOSFIELD		MEDFORD	55049	MN
41-74-0112	ERNEST PICHNER JR	R R 1	CLAREMONT	55924	MN
41-74-0132	LOREN KRAUSE	R R 4	OWATONNA	55060	MN
41-74-0135	ROGER WRASE	R R 2	BLOOMING PRAIRIE	55917	MN
41-74-9031	ROOSEVELT DITLEVSON		BLOOMING PRAIRIE	55917	MN
41-74-9051	DARWIN KASPER	R R 1	MEDFORD	55049	MN
41-74-9099	GEORGE DEML	R R 2	OWATONNA	55060	MN
41-74-9138	JOE STRANSKY & SON	R R 2	OWATONNA	55060	MN
41-74-9143	DAVID DEMMER & SONS		ELLENDALE	56026	MN
41-75-9002	W CENT AGR EXP STATION	DENNIS JOHNSON	MORRIS	56267	MN
41-77-0046	HANSON BROTHERS		EAGLE BEND	56446	MN
41-77-0051	GERALD ECKEL		EAGLE BEND	56446	MN
41-77-0100	DAVID ABRAHAMSON	R R 3	BROWERVILLE	56438	MN
41-77-0130	JAMES COOPER	R R 1	LONG PRAIRIE	56347	MN
41-77-0142	RICHARD THOMPSON		CLARISSA	56440	MN
41-77-0145	DALE & GARY GREENWALDT		EAGLE BEND	56446	MN
41-77-0213	LLOYD HOLMQUIST		CLARISSA	56440	MN
41-77-0219	CURTIS R HOWELL		BROWERVILLE	56438	MN
41-77-0239	ROBERT L SLITER	R R 1	HEWITT	56453	MN
41-77-9195	HAROLD V KRAUSE		EAGLE BEND	56446	MN
41-78-0012	ROBERT JOHNSON	R 3	WHEATON	56296	MN
41-79-0018	KERWIN SIEWERT	R R	ZUMBRO FALLS	55991	MN
41-79-0065	MILTON JAN SCHWANTZ	R R 2	PLAINVIEW	55964	MN
41-79-0098	HARRY MEINCKE		LAKE CITY	55041	MN
41-79-0233	LEWIS KACKMAN	R R 3	LAKE CITY	55041	MN
41-79-0237	DUANE SCHULZ		PLAINVIEW	55964	MN
41-79-9141	HARLAN SIEWERT		ZUMBRO FALLS	55991	MN
41-79-9336	DAVID C + PAUL G PIERSON	R R 1	LAKE CITY	55041	MN
41-81-0029	RAYMOND H THOMPSON	R R 4	WASECA	56093	MN
41-81-0067	WILLARD GERDTS	BOX 78	WALDORF	56091	MN
41-81-9084	WASECA EX STATION S	BOX 109	WASECA	56093	MN
41-82-0105	LESTER RYDEEN		MARINE ST CROIX	55047	MN
41-82-0140	RANDALL NELSON	RT 5	STILLWATER	55082	MN
41-82-0154	EBERHARD BROS	3480 STILLWATER RD	ST PAUL	55119	MN
41-82-0160	EUGENE TAYLOR	R R 2 BOX 368	FOREST LAKE	55025	MN
41-82-0172	MARCEL & GEORGE MIRON	R R 2	HUGO	55038	MN
41-82-9090	WAYNE D BROWN	RT 3	HASTINGS	55033	MN
41-82-9118	KENNETH W BROWN	R R 3	HASTINGS	55033	MN
41-83-0069	LESLIE M TANDE & SONS		MADELIA	56062	MN
41-83-0120	BERNIE RUSSENBERGER JR	R R 1	ST JAMES	56081	MN
41-83-9020	HERMAN & HARVEY HECKMAN	R R 1	ST JAMES	56081	MN
41-84-9002	M STOLTENOW & D LEINEN	R R	GREAT BEND	58039	ND
41-84-9091	LEONARD NORDICK	R R 1	ROTHSAY	56579	MN

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP-CODE	STATE
		. . . . A D D R E S S	O F O W N E R		
41-85-0097	HOWARD VOLKART		MINNESOTA CITY	55959	MN
41-85-0135	RUSSELL PERSONS		ST CHARLES	55972	MN
41-85-0223	KETCHUM FARMS INC	R R	UTICA	55979	MN
41-85-0321	KERMIT VERTHEIN	R R	ALTURA	55910	MN
41-85-0409	ART JOHNSON & SONS		MINNESOTA CITY	55959	MN
41-85-0417	KREIDERMACHER BROS		MINNEISKA	55958	MN
41-85-0460	HAROLD HERBER & SONS		ROLLINGSTONE	55969	MN
41-85-9003	RUSSELL J WIRT & FAMILY	MAPLE LEAF FARM	LEWISTON	55952	MN
41-85-9023	ELMER SIMON	R R	ALTURA	55910	MN
41-85-9167	WACHHOLZ BROS	R R 1	WINONA	55987	MN
41-85-9210	LOWELL BABCOCK	R R 1	UTICA	55979	MN
41-86-0020	JEROME VERGIN	R R 1 BOX 305	BUFFALO	55313	MN
41-86-0040	STIFTER BROS	R R	HOWARD LAKE	55349	MN
41-86-0058	WALTER BERNING-SONS INC	R R 2	ELK RIVER	55330	MN
41-86-0085	HENRY LEHTOLA	R R	COKATO	55321	MN
41-86-0120	ROBERT R RING	R R	BUFFALO	55313	MN
41-86-0122	PAUL RAISANEN		COKATO	55321	MN
41-86-0282	RONALD UTER		WAVERLY	55390	MN
41-86-0432	WILLIAM & CAROLE SOOK	R R	ANNANDALE	55302	MN
41-87-0038	RUSSELL E MAHLUM		CANBY	56220	MN
41-87-9055	RHEA & SCHLECHT	DAIRY FARM	PORTER	56280	MN
42-00-0102	BYE, ORLANDO AND JAMES		EMMONS	56029	MN
42-00-0415	MESSNER FARMS	% F MESSNER R R 3	STANBERRY	64489	MO
42-03-0002	WINKE, WALTER	R R 1	WAUKON	52172	IA
42-03-0007	OPFER, EDWARD AND ROBERT	R R 1	WAUKON	52172	IA
42-03-0024	REGAN, WM M	R R 2	WAUKON	52172	IA
42-03-0038	KRUGER, BENJAMAN	R R 3	WAUKON	52172	IA
42-03-0041	TESLOW, WALTER	R R 3	WAUKON	52172	IA
42-03-0052	FLAGE, IRVIN	R R 2	POSTVILLE	52162	IA
42-03-0055	GOEKE, WILLARD	R R 1	WAUKON	52172	IA
42-03-0056	KERNDT FARMS	R R 2	LANSING	52151	IA
42-03-0075	OPFER, VIRGIL	R R 1	WAUKON	52172	IA
42-03-0123	SCHNEIDER, PAUL	R R 1	WAUKON	52172	IA
42-03-0135	SIVESIND, FRANK	R R 3	WAUKON	52172	IA
42-03-0156	DEBOWER, LYLE E	R R 2	MONONA	52159	IA
42-03-0162	KUGEL, VERNON AND ROBERT	R R 2	POSTVILLE	52162	IA
42-03-0193	LYONS, RALPH	R R	LANSING	52151	IA
42-03-0255	STOCK, ROBERT D	R R 1	WAUKON	52172	IA
42-03-0258	VENES, ROBERT	205 MAIN	WAUKON	52172	IA
42-05-0004	JENSEN, MELVIN G	R R 2	EXIRA	50076	IA
42-05-0017	JENSEN, GEORGE B	R R 2	EXIRA	50076	IA
42-06-0058	BECKER, WILBERT	R R 1	WATKINS	52354	IA
42-06-0080	SANTMAN, DALE E	BOX 115	DYSART	52224	IA
42-06-0087	BECKER, ROBERT	R R 1	ATKINS	52206	IA
42-06-0097	MILLER, JOHN S JR	R R	LA PORTE CITY	50651	IA
42-06-0102	SCHULTE, HERBERT & SONS	R R 1	NORWAY	52318	IA
42-07-0006	ANDERSON, T J	R R 2	CEDAR FALLS	50613	IA
42-07-0020	ENTZ BROTHERS	C/O JOHN ENTZ RT 4	WATERLOO	50700	IA
42-07-0028	NEWGARD, BURTON	R R 3	CEDAR FALLS	50613	IA
42-07-0034	FIKE, L NEIL & FAMILY	RT 1	WATERLOO	50700	IA
42-07-0047	LEYMASTER, RALPH	R R 3	CEDAR FALLS	50613	IA
42-07-0059	TRIPLE DIAMOND FARM	R R 4	WATERLOO	50700	IA
42-07-0076	HESSE, WALTER	R R 3	WATERLOO	50700	IA
42-07-0097	HANSEN, JACK	R R	HUDSON	50643	IA
42-07-0106	CROSS, T A	R R 4	CEDAR FALLS	50613	IA
42-08-0004	GRABAU, HAROLD	R R 3	BOONE	50036	IA
42-08-0015	FLYNN, JAMES B	R R 2 BOX 89	BOONE	50036	IA
42-08-0031	WOODWARD ST HOSP AND SCH	¬	WOODWARD	50276	IA
42-08-0054	A-E GUERNSEY PRODUCERS		KELLEY	50134	IA
42-09-0034	BUHR, ALLEN A	R R 2	SUMNER	50674	IA
42-09-0037	ORTH, MERLIN	R R 2	WAVERLY	50677	IA
42-09-0038	SMITH, NEIL JR	R R 2	WAVERLY	50677	IA
42-09-0045	ALBRECHT, RALPH	413 EAST 1ST ST	SUMNER	50674	IA
42-10-0006	WILLIAMSON GUERNSEY FARM	GUY WILLIAMSON	ROWLEY	52329	IA
42-10-0080	KLEITSCH, EDWARD		FAIRBANK	50629	IA
42-10-0132	PINT, LARRY A	R R 4	INDEPENDENCE	50644	IA
42-11-0054	HINKELDEY, ARLIN		ALTA	51002	IA
42-12-0010	SMITH, DUANE L	¬	GREENE	50636	IA
42-12-0025	CHESTER, MARIE AND SONS	R R	PLAINFIELD	50666	IA
42-14-0003	OBMANN, VERN AND SON		BREDA	51436	IA
42-14-0005	CLAUSEN, JULIUS	R R 2	WALL LAKE	51466	IA
42-14-0012	OPPERMAN, GEORGE		MANNING	51455	IA
42-14-0018	LUDWIG, CLARENCE	R R 1	BREDA	51436	IA
42-14-0036	LEMKER, ALAN		BREDA	51436	IA
42-15-0003	NICHOLS, FLETCHER	R R 1	ATLANTIC	50022	IA
42-15-0006	LASSEN, WILLIAM	R R 1	ATLANTIC	50022	IA
42-15-0039	BARTELSON, JAMES	¬	ANITA	50020	IA
42-16-0012	GATES, L CLAIRE	R R 1	WEST LIBERTY	52776	IA
42-16-0055	GEADELMAN, MERLIN	R R 2	CLARENCE	52216	IA
42-17-0044	AMES, ROBERT		ROCKWELL	50469	IA
42-18-0017	FORDYCE, ELDON		AURELIA	51005	IA
42-19-0006	KLEISS, HADWEN		FREDERICKSBURG	50630	IA
42-22-0002	STEVA, GERALD & WILLIAM		LUANA	52156	IA
42-22-0003	ZIEMAN, LYLE		LUANA	52156	IA
42-22-0017	BRANDT, EWALD C		POSTVILLE	52162	IA

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP-CODE	STATE
42-22-0019	SCHULTZ, ROBERT A		LUANA	52156	IA
42-22-0052	MEIER, L FARM	% JAMES E MEIER	GARNAVILLO	52049	IA
42-22-0063	MEYER, IRVIN F AND SON		MCGREGOR	52157	IA
42-22-0067	MEIER, MILTON & WILLIS	R R	FARMERSBURG	52047	IA
42-22-0104	AMUNDSON, MORRIS	R R	ELGIN	52141	IA
42-22-0134	SUDDENDORF, KENNETH		MONONA	52159	IA
42-22-0163	REIMER-LEEDOM-HAUSCHILD	FRED HAUSCHILD	ELKADER	52043	IA
42-22-0191	KEEHNER, HOWARD J	SHARWARD FARM R 1	GUTTENBERG	52052	IA
42-22-0199	MOON, VERNICE		MONONA	52159	IA
42-22-0207	KURTH, CALVIN		LUANA	52156	IA
42-22-0218	HARBAUGH, RICHARD		GARNAVILLO	52049	IA
42-22-0220	MILLS, PAUL L		STRAWBERRY POINT	52076	IA
42-22-0222	GLEASON, GLEN		GREELEY	52050	IA
42-22-0244	MILLER, HARLAN & RONALD	% RONALD MILLER	MONONA	52159	IA
42-22-0339	MIENE, HAROLD	R R	LUANA	52156	IA
42-22-0445	LORMAX INC	R R 1	MC GREGOR	52157	IA
42-23-0007	GRUENWALD, ELROY AND RON	R R 1	LOST NATION	52254	IA
42-23-0054	BARBER, LEE F	R R 2	DE WITT	52742	IA
42-24-0017	OSSENKOP, VERNON-MARY KAY	R R 1	VAIL	51465	IA
42-25-0001	ELLIOTT, JAMES R AND SONS	R R 2	WOODWARD	50276	IA
42-25-0065	MADREN JERSEYS	R R	REDFIELD	50233	IA
42-26-0017	HENDRICKS, DALE	R R 1	BLOOMFIELD	52537	IA
42-27-0006	GRACELAND COLLEGE FARM	% W C BALLANTYNE	LAMONI	50140	IA
42-27-0027	LITTLE VALLEY DAIRY FARM	% ALBERT HEWLETT	GRAND RIVER	50108	IA
42-28-0005	MULLIS, LEROY		EARLVILLE	52041	IA
42-28-0007	WEGMANN, FRANK	R R 2	DYERSVILLE	52040	IA
42-28-0015	SHOVER, JAMES & LARRY		DELHI	52223	IA
42-28-0018	KNIPPER, ANDREW & GERALD		EARLVILLE	52041	IA
42-28-0086	ZUMBACH, EARL		RYAN	52330	IA
42-28-0125	KNIPPER, LARRY	R R 1	HOPKINTON	52237	IA
42-28-0127	KRUSE, LARRY AND FAMILY	R R 1	EARLVILLE	52041	IA
42-28-0133	ZUMBACH, LOUIS R JR	FARM 1	COGGON	52218	IA
42-28-0135	VOELKER, MRS ALVIN	R R 1	RYAN	52330	IA
42-28-0137	ROSS, DOUGLAS L	R R 3	MANCHESTER	52057	IA
42-28-0159	HAYNES, CHARLES	ALFAGOLD FARM R 1	MANCHESTER	52057	IA
42-30-0036	HOFFMAN, ANDREW		LAKE PARK	51347	IA
42-31-0036	PFEILER, LYAL		HOLY CROSS	52053	IA
42-31-0072	AITCHISON, ADRIAN J & SON	R R 1	CASCADE	52033	IA
42-31-0073	SCHUELLER, WILLIAM F	R R	ZWINGLE	52079	IA
42-31-0080	PANCRATZ, KENNETH	R R	ZWINGLE	52079	IA
42-31-0085	FITZPATRICK, LEO H	R R 3 BOX 204	DUBUQUE	52001	IA
42-31-0104	UNGS, JOHN P	R R 2	NEW VIENNA	52065	IA
42-31-0115	KLUESNER, FRED	R R 1	WORTHINGTON	52078	IA
42-33-0012	MIEHE, ERNEST		MAYNARD	50655	IA
42-33-0058	ANDERSON, LESLIE		CASTALIA	52133	IA
42-33-0066	CUNNINGHAM, MICHAEL J		ARLINGTON	50606	IA
42-33-0075	HAMLETT BROS	% CHARLES HAMLETT	LAMONT	50650	IA
42-33-0110	PAGEL, ALBERT L	¬	SUMNER	50674	IA
42-33-0147	NABHOLZ BROS		WEST UNION	52175	IA
42-33-0187	LEECH, MILTON	R R 1	WESTGATE	50681	IA
42-33-0202	PAGEL, RUSSEL & JOAN	R R 1	SUMNER	50674	IA
42-33-0210	BACHLE BROTHERS	R R 1	MAYNARD	50655	IA
42-33-0216	MOORE, N J	R R 1	SUMNER	50674	IA
42-33-0232	GRAFENBERG, RONALD	R R	WEST UNION	52175	IA
42-33-0237	DALE-DELIGHT HOLSTEINS		POSTVILLE	52162	IA
42-33-0251	TRIUNA FARMS & ANDERSON	403 N FREDERICK	OELWEIN	50662	IA
42-33-0269	HUGHSON, ROGER & ANDERSON	R R	ARLINGTON	50606	IA
42-33-0323	PAGEL, ROGER	R R	SUMNER	50674	IA
42-33-0329	LEHMANN, EARL L	¬	ELGIN	52141	IA
42-33-0357	ROLLING ACRES DAIRY FARM	%MICHAEL OSMUNDSON	WEST UNION	52175	IA
42-33-0392	PUFF, JOHN	R R	OELWEIN	50662	IA
42-34-0042	ELLIS, RODNEY C	R R 3	CHARLES CITY	50616	IA
42-35-0027	MEYER, MAYNARD		DOWS	50071	IA
42-35-0050	SCHROEDER, MARVIN	R R	LATIMER	50452	IA
42-36-0003	JARDON, ROBERT A	R R 1	RANDOLPH	51649	IA
42-38-0051	CONRADI, MELVIN	R R 2	REINBECK	50669	IA
42-38-0054	GEERDES, ROBERT J	R R 1	WELLSBURG	50680	IA
42-38-0065	BILLERBECK, RICHARD		GRUNDY CENTER	50638	IA
42-38-0085	ARENDS, LARRY	R R 3	CEDAR FALLS	50613	IA
42-38-0087	ALBERS, ALFRED		WELLSBURG	50680	IA
42-39-0011	RENFROW, EVERETT	R R	BAGLEY	50026	IA
42-39-0025	RICHTER, E F	R R 2	ADAIR	50002	IA
42-39-0026	MC CUEN AND SON		YALE	50277	IA
42-41-0008	HULING, GARY	R R	BRITT	50423	IA
42-41-0029	MC LAUGHLIN, CHARLES T	R R	BRITT	50423	IA
42-41-0037	KATTER, CECIL B AND SONS	R R	KLEMME	50449	IA
42-41-0059	TRCA, ANTON	R R	GARNER	50438	IA
42-41-0060	SMIDT, WARREN D	R R	WODEN	50434	IA
42-41-0103	BLUMER, ROBERT	R R 2	GARNER	50438	IA
42-42-0037	CLAMPITT AND REECE	R R 2	NEW PROVIDENCE	5[illegible]2[illegible]6	IA
42-42-0040	BANGS, MELVIN M	R R 2	ALDEN	50006	IA
42-42-0049	BRIGHT, RALPH	R R	ELDORA	50627	IA
42-43-0010	LEEWAY FARM	M LEE AND SON RT 1	WOODBINE	51579	IA
42-45-0008	BYRNES, LOUIS AND ROBERT	R R 1 BOX 14	CRESCO	52136	IA
42-45-0009	CHURCH, WILLIAM	R R	RICEVILLE	50466	IA

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	STREET OR ROUTE (ADDRESS OF OWNER)	TOWN	ZIP-CODE	STATE
42-45-0029	KLECKNER, REX	R R 2	LE ROY	55951	MN
42-45-0032	REINHART, RICHARD	R R 3	CRESCO	52136	IA
42-45-0024	HEFTY, CLARENCE		RENWICK	50577	IA
42-46-0049	NORMAN, MARSHALL C		RUTLAND	50582	IA
42-48-0009	TOMPKINS, JIM	R R 2	MARENGO	52301	IA
42-48-0022	YODER, DANIEL	R R	PARNELL	52325	IA
42-48-0057	MILLER, ROY S AND SONS	R R 2	WILLIAMSBURG	52361	IA
42-49-0004	HUENKE, LAURENCE	R R 2	BELLEVUE	52031	IA
42-49-0025	OGLESBY, RONALD W	R R	BERNARD	52032	IA
42-49-0037	HEINRICH, RALPH AND JOHN	R R 2	ZWINGLE	52079	IA
42-50-0001	WING BROTHERS	C/O WALTER WING JR	COLFAX	50054	IA
42-50-0002	LUST, EDWIN & GARRY	% GARRY LUST	MITCHELLVILLE	50169	IA
42-50-0005	HIEMSTRA, J L		PRAIRIE CITY	50228	IA
42-50-0006	VAN HOWELING, CARL & SON	MYRON VAN HOWELING	PRAIRIE CITY	50228	IA
42-50-0021	HAMMERLY, L W AND SON	R R 1	NEWTON	50208	IA
42-50-0022	HATFIELD, FORREST	R R 4	NEWTON	50208	IA
42-50-0046	SCHMIDTS, ALBERT H	R R I	NEWTON	50208	IA
42-50-0077	VOS, BERNIE AND SON	R R 4	NEWTON	50208	IA
42-51-0012	LOVING, LACY	R R 1	STOCKPORT	52651	IA
42-51-0014	EGLI, DON	R R	LOCKRIDGE	52635	IA
42-53-0064	SLATER, JAY	R R I	OLIN	52320	IA
42-53-0125	ZUMBACH, LOUIS R JR	FARM #2	COGGON	52218	IA
42-54-0018	WONDERLICH, CHARLES L	R R	OLLIE	52576	IA
42-55-0019	SODERBERG, GERALD		BANCROFT	50517	IA
42-55-0033	RUGER, JOHN AND PHILIP		FENTON	50539	IA
42-55-0054	SCHMIDT, RICHARD	R R	OTTOSEN	50570	IA
42-55-0070	PETERSON DAIRY		SWEA CITY	50590	IA
42-55-0083	WORK, HARVEY E		SWEA CITY	50590	IA
42-56-0001	SCHNEIDER, JOE	R R 1 BOX 76	FORT MADISON	52627	IA
42-56-0003	JOHNSON, HUBERT	R R 1	KEOKUK	52632	IA
42-56-0004	FOX, ERNEST	R R I	KEOKUK	52632	IA
42-56-0019	KREBILL, DWIGHT	R R 2	DONNELLSON	52625	IA
42-56-0025	IOWA STATE PENITENTIARY	% D LERCHE BOX 316	FORT MADISON	52627	IA
42-57-0139	BECKER, TED		CENTER POINT	52213	IA
42-57-0159	SPERFSLAGE, HAROLD	R R I	CENTRAL CITY	52214	IA
42-57-0163	RAWSON, KENNETH	LINN VIEW FARM R I	CENTRAL CITY	52214	IA
42-57-0176	COVINGTON, GALEN	R R I	COGGON	52218	IA
42-57-0194	VAN NOTE, MAURICE	R R	PALO	52324	IA
42-58-0003	SYWASSINK, DONALD		LETTS	52754	IA
42-60-0008	MULTI-ROSE JERSEYS INC		ROCK RAPIDS	51246	IA
42-60-0009	SUMMIT FARM INC		LESTER	51242	IA
42-60-0011	METZGER, FREDERICK		HILLS	56138	MN
42-60-0025	FASTERT, ERNEST		ROCK RAPIDS	51246	IA
42-60-0030	WINKOWITSCH, WILLIAM		GEORGE	51237	IA
42-60-0097	KRUSE, DALE		LITTLE ROCK	51243	IA
42-64-0025	TIGGES, DELMAR	R R I	MELBOURNE	50162	IA
42-65-0008	GLENWOOD STATE SCHOOL	DAIRY HERDSMAN	GLENWOOD	51534	IA
42-66-0010	GERLACH, EARL AND SONS	FARM I	ST ANSGAR	50472	IA
42-66-0040	THOME, WILFRED		STACYVILLE	50476	IA
42-66-0045	SULLIVAN, KEITH		OSAGE	50461	IA
42-66-0122	WATTS, GARY L	R R 1	RICEVILLE	50466	IA
42-69-0015	MC ALPIN, DAVID W		VILLISCA	50864	IA
42-69-0020	MC ALPIN, TOM, FARM NO I		VILLISCA	50864	IA
42-70-0021	SCOTT JERSEY FARM		WILTON JUNCTION	52778	IA
42-70-0049	SCHROEDER, DALE	R R 1	STOCKTON	52769	IA
42-71-0004	FLOYDCREST FARMS	WALTER KRUSE R 2	SHELDON	51201	IA
42-71-0036	STAMER, HAROLD LEE		GRANVILLE	51022	IA
42-71-0037	GROSSHAUSER, RICHARD	FREDRICH FARM	PAULLINA	51046	IA
42-71-0057	SILBERSTEIN, ROGER		PRIMGHAR	51245	IA
42-71-0078	GRIMBERG, MURL	R R 2	PAULLINA	51046	IA
42-71-0089	ROZEMA, HENRY	R R 2	SANBORN	[illegible]	[illegible]
42-72-0019	LUITJENS, ARNOLD	R R	ASHTON	51232	[illegible]
42-73-0008	MC COY, MALCOM AND SONS	R R 1	VILLISCA	[illegible]	[illegible]
42-75-0007	EYRES, JAMES	R R I	LE MARS	[illegible]	IA
42-75-0012	HEMMINGSEN, BRUCE	R R 3 BOX 21	AKRON	[illegible]	[illegible]
42-77-0074	I-O-STATE	FREEMAN 239 KILDEE	AMES	[illegible]	IA
42-79-0003	HALL, MAX	R R	BROOKLYN	52211	IA
42-79-0004	WEMER, CLAIRE	R R 2	MONTEZUMA	50171	IA
42-80-0017	PADGITT, JACK		KELLERTON	50133	IA
42-81-0028	MEYER, LEROY	R R 1	SAC CITY	50583	IA
42-81-0031	CLOVERGOLD FARM	R R 1	NEMAHA	50567	IA
42-81-0059	HASS, DALE AND EILEEN L	R R 1	SAC CITY	50583	IA
42-82-0025	GOETTSCH, HARRY P & SONS		WALCOTT	52773	IA
42-82-0026	PETERSEN, ARNOLD W	R 2	DAVENPORT	[illegible]	IA
42-82-0038	PAPER, ELMER F	R R 2	STOCKTON	52769	IA
42-82-0054	SCHMIDT, ROBERT	R R 1	BETTENDORF	[illegible]	[illegible]
42-82-0067	CLAUSSEN, DONALD-CLARENCE		ELDRIDGE	52748	[illegible]
42-82-0068	BERNICK, EUGENE		WALCOTT	52773	[illegible]
42-82-0071	HOLST, DONALD J AND SON		LE CLAIRE	52753	[illegible]
42-82-0082	GREEN KNOLL FARM	R R 1	LONG GROVE	52756	[illegible]
42-82-0084	WADSWORTH, THOMAS P	AND SON	WALCOTT	52773	IA
42-82-0089	WULF, RICHARD		LONG GROVE	52756	IA
42-82-0095	PETERSEN, WILLIAM F	R R 2	DAVENPORT	[illegible]	[illegible]
42-82-0123	SORGENFREY, KENNETH W		STOCKTON	52769	IA
42-83-0023	BUMAN, RALPH AND JOE	R R I	HARLAN	51537	IA

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	. . . . ADDRESS OF OWNER . . . . STREET OR ROUTE	TOWN	ZIP-CODE	STATE
42-83-0037	MIKKELSON, ROGER-LAVONNE		ELK HORN	51531	IA
42-84-0004	RENSINK, LELAND		BOYDEN	51234	IA
42-84-0023	DE BOER, C DWAYNE		HULL	51239	IA
42-84-0035	VANDER LUST, RAY	¬	HAWARDEN	51023	IA
42-84-0050	FICK, ALFRED	R R 1	BOYDEN	51234	IA
42-84-0058	DE GROOT, DONALD		HULL	51239	IA
42-84-0065	VERMEER, EDGAR		BOYDEN	51234	IA
42-84-0070	DE JONG, S EARL		HOSPERS	51238	IA
42-84-0081	KOOI, BILL	R R 2	IRETON	51027	IA
42-84-0085	BOOTE, DONALD		HULL	51239	IA
42-84-0086	BOOTE, CLARENCE		HULL	51239	IA
42-84-0105	WINTER, RUBEN		BOYDEN	51234	IA
42-84-0108	VANDERWAAL, WALT	R R	HULL	51239	IA
42-84-0117	ROZEBOOM, ROY	R R 2	BOYDEN	51234	IA
42-84-0120	VANDERWAAL, JOHN J	R R	ORANGE CITY	51041	IA
42-85-0017	BENTLEY,AL & GRAVER,DON	SUNESLOPE FARM R 3	AMES	50010	IA
42-85-0072	MC HONE, F L	R R 3	AMES	50010	IA
42-85-0090	THOMRSON, RANDALL JR	R R	HUXLEY	50124	IA
42-85-0273	UNIVERSITY DAIRY FARM H	123 KILDEE HALL	AMES	50010	IA
42-85-0274	UNIVERSITY DAIRY FARM J	123 KILDEE HALL	AMES	50010	IA
42-85-0275	UNIVERSITY DAIRY FARM BS	123 KILDEE HALL	AMES	50010	IA
42-85-9072	MC HONE, F L	R R 3	AMES	50010	IA
42-86-0011	LYON JERSEYS	C/O G JOE LYON	TOLEDO	52342	IA
42-86-0013	SKALA, E J		TAMA	52339	IA
42-86-0030	HOPPER, GARLAND		TOLEDO	52342	IA
42-86-0032	GERLACH, DALE	R R 2	TOLEDO	52342	IA
42-86-0088	KOPRIVA, ALFRED AND SONS	R R I BOX 6	CLUTIER	52217	IA
42-86-0089	LYON JERSEYS NO 2	% G JOE LYON	TOLEDO	52342	IA
42-89-0007	THOMAS, STUART		KEOSAUQUA	52565	IA
42-90-0014	KLODT, EDW AND WM	R R 5	OTTUMWA	52501	IA
42-91-0002	WOODRUFF, S R AND LEROY	R R 3	INDIANOLA	50125	IA
42-91-0093	HOOVER, DON AND PAT		NORWALK	50211	IA
42-91-0098	FINCH, HAROLD AND LARRY		NORWALK	50211	IA
42-91-0111	CORE, LYLE	R R 2	CARLISLE	50047	IA
42-91-0131	ONSTOT, CHESTER	R R 3	INDIANOLA	50125	IA
42-92-0002	MILLER, LESTER J	R R	WELLMAN	52356	IA
42-92-0022	TIMMINS, MARION	TIM AYR FARM	WEST CHESTER	52359	IA
42-94-0003	BOTHLAND FARM	HAROLD BOTHE R R 4	FORT DODGE	50501	IA
42-94-0004	MONSON, BERNARD		GOWRIE	50543	IA
42-94-0005	TELLEEN, MARVIN E		GOWRIE	50543	IA
42-94-0009	PETERSON, PERCY AND SON		CALLENDER	50523	IA
42-94-0010	THEISS, WILMER	R R 3	FORT DODGE	50501	IA
42-94-0025	PETERSON, PAUL		SOMERS	50586	IA
42-94-0059	BURKHART, CARL & DAVID	R R 1	THOR	50591	IA
42-96-0027	HANNEMAN, HAROLD	R R 2	DECORAH	52101	IA
42-96-0028	ELPERT, LOUIS J	R R 3	DECORAH	52101	IA
42-96-0046	UNDERBAKKE, MELVIN		BURR OAK	52131	IA
42-96-0052	BOE, R H	R R	CALMAR	52132	IA
42-96-0056	SERSLAND,HOWARD AND SONS	R R I	DECORAH	52101	IA
42-96-0057	STEFFENS, ERBIE		DECORAH	52101	IA
42-96-0063	MATTER, ELMER & RICHARD	R R 2	POSTVILLE	52162	IA
42-96-0101	TOKRESDAL, LESTER	R R 1	OSSIAN	52161	IA
42-96-0110	BJERGUM AND LOMEN	% ROGER BJERGUM	DECORAH	52101	IA
42-96-0133	MEYER, CLOY F		CASTALIA	52133	IA
42-96-0137	JOHNSON, ERNEST C & SON	R R 1	DECORAH	52101	IA
42-96-0151	SIVESIND, GENE	R R 1	DECORAH	52101	IA
42-96-0174	GLENGATE FARM	R R 3	WAUKON	52172	IA
42-96-0180	EKNLO HOLSTEIN FARM	% RAY WILLIAMS	OSSIAN	52161	IA
42-96-0355	COURTNEY, LOUIS	R R 1	RIDGEWAY	52165	IA
42-98-0015	SAWIN, NEIL V	¬	NORTHWOOD	50459	IA
42-98-0039	DAHLBY, PHILLIP A		EMMONS	56029	MN
42-99-0042	MARKER, DON	R R	WOOLSTOCK	50599	IA
43-02-0007	SCHNEIDER, CARL W		COSBY	64436	MO
43-02-0023	WERTENBERGER, DOYLE G		HELENA	64459	MO
43-02-0026	BULLOCK, W H		AMAZONIA	64421	MO
43-04-0004	COWHERD, ERNEST	R R 2	PURDY	65734	MO
43-04-0030	DAVIDSON, CARL	R R	EXETER	65647	MO
43-04-0038	STORCK, HAROLD		PURDY	65734	MO
43-04-0040	PURDOM, LARRY	R R 2	PURDY	65734	MO
43-04-0041	BECKETT FARMS	R R 2	AURORA	65605	MO
43-04-0046	MASTERS JERSEY FARM	R R 2	AURORA	65605	MO
43-04-0060	HENDERSON, MIKE	R R 1	MONETT	65708	MO
43-05-0004	KENTNER, DELMER		JASPER	64755	MO
43-05-0005	ROBERTSON DAIRY		LAMAR	64759	MO
43-06-0025	STEELE AND KING		BUTLER	64730	MO
43-06-0046	FERREL, PAUL E	R R 5	BUTLER	64730	MO
43-06-0049	SCHENKER, NORVIN	R R 1	ROCKVILLE	64780	MO
43-07-0018	GERKEN, C. E. JR.		MORA	65345	MO
43-09-0004	FOREMOST GUERNSEY FARM	U OF MO R R 5	COLUMBIA	65201	MO
43-09-0006	UNIV OF MO HOLSTEIN FARM	R R 5 BOX 46	COLUMBIA	65201	MO
43-11-0015	GATES, KENNETH		BRAYMER	64624	MO
43-12-0006	SKY-GO FARMS INC	R R 2	FULTON	65251	MO
43-12-0007	STATE HOSPITAL NO 1	% JOHN LYNCH RR 1	FULTON	65251	MO
43-12-0015	BORMAN, HARLAN		KINGDOM CITY	65262	MO
43-14-0007	HAGER, HARLAN P	R R 1	GORDONVILLE	63752	MO

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	STREET OR ROUTE (ADDRESS OF OWNER)	TOWN	ZIP-CODE	STATE
43-14-0009	SCHABBING, CLEM	R R 2 BOX 443	CAPE GIRARDEAU	63701	MO
43-14-0021	DAISY DAIRYLAND	DAN & TED SEBAUGH	DAISY	63743	MO
43-14-0038	SHAWNEE FARMS	R R 1	JACKSON	63755	MO
43-14-0048	SIEMERS FARMS INC	R R 1	GORDONVILLE	63752	MO
43-14-0051	KIRCHDOERFER, JOE	R R 2	CAPE GIRARDEAU	63701	MO
43-14-0052	HENDERSON, J R	R R 2	JACKSON	63755	MO
43-16-0009	HELMS, ROSS	R R	CREIGHTON	64739	MO
43-16-0030	KOHLER, JOHN H JR	R R 1	PLEASANT HILL	64080	MO
43-16-0034	SCHMOLL, ERNEST E	R R 1 BOX 154	PLEASANT HILL	64080	MO
43-19-0018	KING, JOE	R R	CLEVER	65631	MO
43-19-0028	RAUCH, GLEN	R R 1	BILLINGS	65610	MO
43-19-0029	RAUCH, HOWARD L	R R 1	BILLINGS	65610	MO
43-19-0034	SHORT, NEAL	R R 1	SPARTA	65753	MO
43-19-0035	STAIGER, ALBERT	R R 2	BILLINGS	65610	MO
43-19-0050	KASTENDIECK, CARL E	R R	BILLINGS	65610	MO
43-19-0054	ALBO FARM-ALBERT BOS	R R 1	BILLINGS	65610	MO
43-19-0064	LITTLE, CHARLES R	R R 1	CLEVER	65631	MO
43-19-0074	STAIGER, J F		BILLINGS	65610	MO
43-19-0077	WRIGHT, GEORGE W	R R 1	CLEVER	65631	MO
43-19-0083	COOPER, JOHN E	R R 1	OZARK	65721	MO
43-19-0096	NELSON, JOE & SONS	R R 1	BILLINGS	65610	MO
43-20-0008	HUNZIKER, HARLAN	R R	KAHOKA	63445	MO
43-22-0001	BACON, LLOYD C	R R 1	CAMERON	64429	MO
43-22-0025	SHAVERSIDE DAIRY FARM	% RONALD SHAVER R1	LATHROP	64465	MO
43-22-0026	FARMLAND DEMONSTRATION	FARM-W E POPE	TRIMBLE	64492	MO
43-22-0034	SCHWARZ, KENTON		GOWER	64454	MO
43-22-0036	WIEDMAIER, MAX B	R R 1	HEMPLE	64460	MO
43-23-0003	FRANK, RAPHAEL	R R 3	JEFFERSON CITY	65101	MO
43-23-0018	HOELSCHER, VINCENT F	R R 4	JEFFERSON CITY	65101	MO
43-23-0037	LEPAGE, TOM E	R R 3	RUSSELLVILLE	65074	MO
43-24-0027	LENZ, RICHARD		PRAIRIE HOME	65068	MO
43-31-0027	WATTERSON, RAY	R R 2	MANSFIELD	65704	MO
43-33-0013	RAAF, RICHARD	R R 1	GERALD	63037	MO
43-33-0016	COVE VIEW FARM	R R 1	LESLIE	63056	MO
43-33-0020	ALTHAGE, KARL B	R R 2	NEW HAVEN	63068	MO
43-33-0022	PRITCHARD FARM, S U	R R 1 BOX 180	ROBERTSVILLE	63072	MO
43-33-0025	LUECKER, WILLARD	R R 1	NEW HAVEN	63068	MO
43-33-0027	DRYER, WILFRED	R R 1	ROBERTSVILLE	63072	MO
43-33-0031	SPRICK, MARVIN A		NEW HAVEN	63068	MO
43-33-0034	HIGH RIDGE DAIRY FARMS	BOX 231	VILLA RIDGE	63089	MO
43-33-0041	BUNGE, JOHN L & ROBERT	R R 1	NEW HAVEN	63068	MO
43-33-0042	CARL BROS		BERGER	63014	MO
43-34-0011	PREVIEW FARM	R R 2	HERMANN	65041	MO
43-35-0010	LILYDALE FARM	R R 4	SPRINGFIELD	65802	MO
43-35-0036	KINDRICK BROS	R R 4	SPRINGFIELD	65802	MO
43-35-0065	QUINN, ROBERT C & GEORGE	R R 6 BOX 404	SPRINGFIELD	65803	MO
43-35-0069	THOMSON, ROBERT JR	R R 2	SPRINGFIELD	65802	MO
43-35-0109	COX AND DAVIS	R R 2	REPUBLIC	65738	MO
43-35-0121	BERGLUND, J	R R 2	SPRINGFIELD	65802	MO
43-35-0125	SLOAN, PAUL E & PAUL R		WILLARD	65781	MO
43-35-0135	MAR-GALE FARMS LTD	R R 7 BOX 358	SPRINGFIELD	65802	MO
43-35-0159	BLADES, CLAUDE & SONS	R R 1	REPUBLIC	65738	MO
43-36-0008	PARKER, CARL F	R R 2	TRENTON	64683	MO
43-40-0003	CRIDER, WARREN & BEVERLY	R R 2	OREGON	64473	MO
43-44-0004	HARRIS, LEE	R R 3	CARTHAGE	64836	MO
43-44-0077	KUNKEL, J B	R R 3	CARTHAGE	64836	MO
43-46-0029	COCHRAN, HARLAN E	R R 4	HOLDEN	64040	MO
43-46-0044	STOWELL, LELAND J	R R 1	HOLDEN	64040	MO
43-48-0061	MASSEY, RALPH F	OAKLAND SR BOX 54	LEBANON	65536	MO
43-48-0084	CLARK DAIRY		ELDRIDGE	65463	MO
43-49-0035	WILLIAMS, ORVILLE & SON	NORMAN WILLIAMS R2	ODESSA	64076	MO
43-49-0040	SILVERTHORN FARMS, INC	R R 1	WELLINGTON	64097	MO
43-50-0002	DAVIS, WM K	R R 1	VERONA	65769	MO
43-50-0052	MCENNIS, JAMES		PIERCE CITY	65723	MO
43-50-0057	SPENCER, DALE	R R 1	STOTTS CITY	65756	MO
43-50-0065	KRUEGER, RENO G	R R 2	VERONA	65769	MO
43-50-0081	STINE, JERRY	R R 1	AURORA	65605	MO
43-52-0006	CHAMP GOODWOOD FARMS	R R 1	ELSBERRY	63343	MO
43-53-0025	SECKER, G B	PALMYRA ROAD	HANNIBAL	63401	MO
43-53-0044	KAOEN, WM	R R 2	PALMYRA	63461	MO
43-53-0046	FRANKENBACH, MARVIN	R R	HANNIBAL	63401	MO
43-58-0049	FRANKENBACH, CARL-ROBERT	R R 2	HANNIBAL	63401	MO
43-64-0026	MARRIOTT, DELMON	R R 2	STOVER	65078	MO
43-65-0017	GILMAN, C A	R R	SENECA	64865	MO
43-65-0042	GOODMAN, LEONARD J	R R 1	STARK CITY	64866	MO
43-65-0049	THOMLINSON, R E	R R	GRANBY	64844	MO
43-65-0054	SPRINGER, ROY AND RON		DIAMOND	64840	MO
43-66-0002	CONCEPTION ABBEY		CONCEPTION	64433	MO
43-68-0002	FICK, JOHN & WILLIAM	R R 1	FREEBURG	65035	MO
43-68-0005	REHAGEN, WALTER F		FREEBURG	65035	MO
43-70-0018	FRITSCHE, PALMER	R R 4	PERRYVILLE	63775	MO
43-71-0007	LONGAN, ROBERT N AND E P	R R 3	SEDALIA	65301	MO
43-72-0013	PIETSCH, GERALD	HOBSON-STAR ROUTE	ROLLA	65401	MO
43-75-0003	BRESHEARS, GLEN		HALFWAY	65663	MO
43-75-0075	SECHLER, RAYMOND G		PLEASANT HOPE	65725	MO

TABLE 7. LIST OF .D-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	ADDRESS OF OWNER: STREET OR ROUTE	TOWN	ZIP-CODE	STATE
43-75-0087	DUNSETH, DONALD		HALFWAY	65663	MO
43-75-0123	HUBBERT, JOSEPH	R R 1	BOLIVAR	65613	MO
43-75-0156	GALLIVAN FARMS	R R 2	HALF WAY	65663	MO
43-77-0013	WILLIAMS, N E	R R 1	HANNIBAL	63401	MO
43-83-0011	SUNNYMEDE FARM		BISMARCK	63624	MO
43-89-0002	BUCKMAN BROS	VAN BUCKMAN R R 1	SHELBINA	63468	MO
43-92-0002	SCHOOL OF THE OZARKS		POINT LOOKOUT	65726	MO
43-95-0002	HACKMANN, WILBERT A		MARTHASVILLE	63357	MO
43-97-0038	DAYPECK JERSEY FARM	R R 2	NIANGUA	65713	MO
43-97-0049	CLEMENS, JOE AND DAN	R R 3	MARSHFIELD	65706	MO
43-97-0064	ATKINSON, RAYMOND & SONS	R R 1	FORDLAND	65652	MO
43-97-0069	WHITEHEAD, L R AND WAYNE		CONWAY	65632	MO
43-97-0070	BUCKNER, ALFRED & E JEAN	STAR ROUTE	MARSHFIELD	65706	MO
43-98-0049	CLAXTON, D L		FALCON	65470	MO
43-98-0050	CLOUSE, ROY	R R 1	MANSFIELD	65704	MO
43-98-0069	CLOUSE, BILLY	R R #2	MANSFIELD	65704	MO
43-98-0071	WATTERSON, JOHNNY	R R 2	MANSFIELD	65704	MO
45-02-0004	OTTERNESS, DURWARD		TOWER CITY	58071	ND
45-02-0006	CHARNETZKI, PAUL	R R 2	VALLEY CITY	58072	ND
45-02-0036	MILLER, WILLIAM J	R R 2	VALLEY CITY	58072	ND
45-02-0050	CHARNETZKI, DON	R R 2	VALLEY CITY	58072	ND
45-03-0026	ARNOLD, LOUIS	R R	ESMOND	58332	ND
45-06-0001	SCHADE, DELMAR A		BOWMAN	58623	ND
45-09-0007	DOBRINZ, ROBERT	R R 1	FARGO	58100	ND
45-09-0038	BEILKE, BURNELL		BUFFALO	58011	ND
45-09-0042	N DAK ST UNIV AN SCI DEP	STATE UNIV STATION	FARGO	58100	ND
45-09-0044	N DAK ST UNIV AN SCI DEP	STATE UNIV STATION	FARGO	58100	ND
45-16-0004	SCHROEDAR, WILFRED		BORDULAC	58417	ND
45-20-0005	EVERS BROS		BINFORD	58416	ND
45-20-0016	HANSON, K C		HANNAFORD	58448	ND
45-23-0005	POTTS, JIM		LA MOURE	58458	ND
45-29-0001	BOESHANS, WAYNE	R R 2	BEULAH	58523	ND
45-30-0005	KLUSMANN STOCK FARM	STAR ROUTE	NEW SALEM	58563	ND
45-30-0013	KLUSMANN, MARVIN		NEW SALEM	58563	ND
45-30-0040	OPP, RAYMOND AND SONS	R R 1	GLEN ULLIN	58631	ND
45-36-0027	CALDERWOOD, DONALD		CRARY	58327	ND
45-45-0022	LUHMAN, ARNOLD	BOX 813	DICKINSON	58601	ND
45-47-0001	STATE HOSPITAL	% FARM MANAGER	JAMESTOWN	58401	ND
45-51-0002	KAUFFMAN DAIRY	R R 4	MINOT	58701	ND
45-51-0051	GLICK, JOHN R	R R 4	MINOT	58701	ND
46-01-0043	LIAS BROS		HUMBOLDT	57035	SD
46-01-0061	RAVE, CLARENCE	R R 1	TRENT	57065	SD
46-01-0064	VIS, PETER J & SONS		VALLEY SPRINGS	57068	SD
46-01-0073	HARVEY, DUANE E		BALTIC	57003	SD
46-05-0038	FOX, ALOIS AND SONS		WATERTOWN	57201	SD
46-05-0039	MUNGER, LAURENCE E	R R 4	WATERTOWN	57201	SD
46-05-0118	JOHNSTON, HAROLD		SUMMIT	57266	SD
46-06-0010	SOUTH DAKOTA STATE UNIV	DR JAMES H MARTIN	BROOKINGS	57006	SD
46-12-0014	YANKTON STATE HOSPITAL	ARGYLL E CONNER	YANKTON	57078	SD
46-13-0100	KOTT, DALE	R R 2	ACADAMEY	57310	SD
46-15-0005	YPPARILA, WILBERT		NEWELL	57760	SD
46-17-0001	SLAMA, FRANK M	R R 2	WAGNER	57380	SD
46-17-0003	COLE, MYRON		PLATTE	57369	SD
46-18-0114	TONAK, DONALD		RAYMOND	57258	SD
46-23-0028	BREZEE, HOWARD V		CLEAR LAKE	57226	SD
46-26-0003	DOCKTER, GENE & PERRY		TWIN BROOKS	57269	SD
46-26-0006	HOOTH, FORGUS	218 E 10TH AVE	MILBANK	57252	SD
46-26-0009	SUN-KOTA HOLS FARM INC	R R 1	MILBANK	57252	SD
46-26-0018	WENDLAND, HERBERT	R R 2 BOX 110	MILBANK	57252	SD
46-26-0021	NELSON, ROY D	R R 2	CLINTON	56225	MN
46-26-0037	DAILIE, FLOYD		MILBANK	57252	SD
46-26-0039	CHRISTENSEN, CLIFFORD		BIG STONE CITY	57216	SD
46-26-0042	DAVIS, DONALD L	P O BOX 325	MILBANK	57252	SD
46-26-0051	SCHWEER, ERVIN	R R I	MILBANK	57252	SD
46-26-0084	VAN VEEN, DONALD	R R 1	MILBANK	57252	SD
46-29-0002	FEIND, WALTER		HAZEL	57242	SD
46-29-0103	MISCHKE, DONALD		HAZEL	57242	SD
46-30-0100	RUST, PAUL C		HERRICK	57538	SD
46-37-0002	BONNIE ELMS FARM		DIMOCK	57331	SD
46-41-0009	PERCY, TED		NISLAND	57762	SD
46-52-0043	PONTO, F W	R R 1	BROOKINGS	57006	SD
46-55-0008	FENHAUS, ROGER	R R	WILMOT	57279	SD
46-56-0100	HOPPER, RICHARD		FORESTBURG	57338	SD
46-57-0015	REDFIELD ST HOSP & SCH	LOCK DRAWER 410	REDFIELD	57469	SD
46-57-0103	FISCHBACH, ARTHUR		MELLETTE	57461	SD
46-60-0001	COTTON, R L	C/O ARNOLD COTTON	PARKER	57053	SD
46-60-0006	FRIESEN, W D	R R 3	MARION	57043	SD
46-60-0007	GRABER, LEROY		MARION	57043	SD
46-60-0011	LARSEN, ANDREAS	R R 2	HURLEY	57036	SD
46-60-0028	GRABER, EUGENE	R R 1	FREEMAN	57029	SD
46-60-0032	WALTNER, JOHN H	R R 3	MARION	57043	SD
46-60-0046	LANGREHR, H J		PARKER	57053	SD
46-60-0049	TSCHETTER, EDMUND		ALEXANDRIA	57311	SD
46-60-0050	MERRILL, ROBERT		PARKER	57053	SD
46-61-0002	D & M HOLSTEIN FARM		HAMIL	57534	SD

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

		. . . . A D D R E S S	O F O W N E R		
HERD CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP-CODE	STATE
46-70-0013	S DAKOTA PENITENTIARY	S JOHN OROBNY 911	SIOUX FALLS	57100	SD
47-01-0001	GRIESS, RUDOLF	R R 3	AURORA	68818	NB
47-01-0020	EFFENBECK,WILLIAM & SONS	R R 1	DESHLER	68340	NB
47-01-0022	WOOLSEY, GEORGE-MARY ANN	GEO-ANN DAIRY FARM	INLAND	68954	NB
47-01-0026	MURMAN, MENNO	R R 1	GLENVIL	68941	NB
47-02-0007	FRY, WAYNE	R R 1	EWING	68735	NB
47-02-0010	KRUGER, MR & MRS W H JR		CLEARWATER	68726	NB
47-02-0018	VANDERSNICK, LEWIS		EWING	68735	NB
47-13-0003	DIERKING, CARL		SYRACUSE	68446	NB
47-13-0008	POLLARD, MALCOLM		NEHAWKA	68413	NB
47-13-0021	LORENSEN, WILLIS	R R 1 BOX 115	WEEPING WATER	68463	NB
47-13-0022	BOND, OTIS L		AVOCA	68307	NB
47-13-0031	TODD, CHARLES R	R R 1	MURDOCK	68407	NB
47-20-0003	EHRISMAN, WILLIAM		BEEMER	68716	NB
47-20-0009	JOHNSON, STANLEY C		OAKLAND	68045	NB
47-20-0011	LUEBBERT, DONALD	BOX 205 R R 2	WEST POINT	68788	NB
47-20-0025	ORUEKE, HENRY & RICHARD	R R 1 BOX 135	WEST POINT	68788	NB
47-20-0054	STONE, BILL	R R 1	SOUTH SIOUX CITY	68776	NB
47-20-0058	MOWINKEL, RUSSELL	R R 1	BEEMER	68716	NB
47-20-0065	CHAPMAN GUERNSEY FARM		NORTH BEND	68649	NB
47-20-0068	JANSSEN, EVERETT	R R	LAUREL	68745	NB
47-20-0076	SMITH, CLINTON & LESLIE		WEST POINT	68788	NB
47-21-0004	KISSELL, DUANE D		SARGENT	68874	NB
47-21-0036	BECK, IRWIN	R R 2	LITCHFIELD	68852	NB
47-27-0010	NELSON, LEROY E	R R	MEAD	68041	NB
47-27-0032	BEHRENS, GAYLE E	R R	MEAD	68041	NB
47-27-0033	DREWS, WAYNE D		YUTAN	68073	NB
47-28-0002	FATHER FLANAGANS	BOYS HOME	BOYSTOWN	68010	NB
47-28-0003	FLYNN, R P AND SONS	W EUGENE FLYNN R 1	BLAIR	68008	NB
47-28-0018	MARTIN, TED L R		ARLINGTON	68002	NB
47-28-0023	PFEIFFER FARMS		ARLINGTON	68002	NB
47-28-0035	KEEFER, HERBERT P		PAPILLION	68046	NB
47-28-0058	PETERSEN DAIRY FARM		HERMAN	68029	NB
47-28-0075	EIPPERLE, FRED AND JAN		BENNINGTON	68007	NB
47-28-0089	ROBERTS DAIRY COMPANY	BOX 97	ELKHORN	68022	NB
47-34-0007	GOIN, FRANCIS P	R R 1	WYMORE	68466	NB
47-34-0013	HUNEKE, VERNON	R R 2	WILBER	68465	NB
47-34-0014	KIMMERLING, MAX	R R 3	BEATRICE	68310	NB
47-34-0016	PENNER, ALFRED T	R R 2	BEATRICE	68310	NB
47-34-0018	RHODES, JOHN S	BOX 177	BEATRICE	68310	NB
47-34-0046	HAYS, RICHARD A		ODELL	68415	NB
47-34-0051	ESAU, HARVEY	R R 3	BEATRICE	68310	NB
47-47-0001	WAIT, PAUL	R R	FULLERTON	68638	NB
47-48-0005	FLOWER, HERSCHEL		FAIRBURY	68352	NB
47-48-0012	MASCHMAN, LEONARD	R R 1	DAYKIN	68338	NB
47-48-0030	FAIPLEY, LEA	R R 1	FAIRBURY	68352	NB
47-48-0033	TRAEGER DAIRY INC	R R 4	FAIRBURY	68352	NB
47-48-0034	SCHUTZ, ROBERT E		GILEAD	68362	NB
47-48-0039	BANAHAN, ELDEAN	R R 1	STEELE CITY	68440	NB
47-48-0043	BAUMFALK, KENNETH		HARBINE-JANSEN	68377	NB
47-48-0049	BARTELS, BERNARD E	R R 1	TOBIAS	68453	NB
47-48-0052	ENGELMAN, DALE R	R R 1	JANSEN	68377	NB
47-49-0018	WARMAN, EDWARD H	R R 1	COOK	68329	NB
47-54-0024	WORTMANN, RICHARD	R R 1 BOX 119	CROFTON	68730	NB
47-55-0003	U OF NEB DAIRY DEP BX 83	L C GARRISON JR	MEADE	68041	NB
47-55-0005	U OF NEB DAIRY DEP BX 83	L C GARRISON JR	MEADE	68041	NB
47-55-0081	MARVO JERSEYS	R R 1	LINCOLN	68500	NB
47-55-0112	NEBRASKA PENAL COMPLEX	BOX 111	LINCOLN	68500	NB
47-55-0117	KEMPKES, RICHARD		WALTON	68461	NB
47-55-0120	WIECHERT, CHARLES	R R 6	LINCOLN	68502	NB
47-55-0132	BORGMANN, DONALD H	R R 4 BOX 50	LINCOLN	68502	NB
47-56-0013	REGIER, PETE	BOX 126	MADRID	69150	NB
47-58-0026	SELLIN, ERNEST AND DUANE	R R 3	NORFOLK	68701	NB
47-58-0062	PARTRIDGE, MAURICE K	R R 2	STANTON	68779	NB
47-61-0011	MEIER, RUBEN	R R 3 BOX 93	GRAND ISLAND	68801	NB
47-61-0050	DEEPWELL FARMS INC		PHILLIPS	68865	NB
47-61-0052	CONDON, MARION	R R 2	AURORA	68818	NB
47-67-0009	AHLSCHWEDE, HARRY	R R 2	WYMORE	68466	NB
47-69-0005	GUSTAFSON, RICHARD		FUNK	68940	NB
47-69-0017	LUSH, WARREN		BEAVER CITY	68926	NB
47-70-0019	MYERS, WILBUR H	R R 1	PLAINVIEW	68769	NB
47-70-0034	SUKUP, ALBERT	R R 2	WAUSA	68786	NB
47-70-0036	FUCHTMAN, ALFRED		CREIGHTON	68729	NB
47-70-0071	MOSEL, DONALD		CLEARWATER	68726	NB
47-71-0010	EL-CREST FARMS		CRESTON	68631	NB
47-71-0020	HELLBUSCH, NORMAN	R R 2	HUMPHREY	68642	NB
47-71-0024	ELK CREEK FARMS	R R 1 BOX 113	COLUMBUS	68601	NB
47-71-0059	ANDERSON, IKE		GENOA	68640	NB
47-71-0061	SHELL VALLEY DAIRY FARM		PLATTE CENTER	68653	NB
47-71-0070	FUHR, R OR L	R R 2	CLARKSON	68629	NB
47-74-0003	BLETSCHER, MILTON		FALLS CITY	68355	NB
47-74-0044	WHITE, TOM JR	R R 2	FALLS CITY	68355	NB
47-79-0030	PIERSON, WALTER E	R R 2	MORRILL	69358	NB
47-80-0007	IMIG, LEO		SEWARD	68434	NB
47-80-0012	PHILLIPS BROTHERS	R R 2	BEAVER CROSSING	68313	NB

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP-CODE	STATE
		. . . . A D D R E S S	O F O W N E R		
47-80-0044	STEENBOCK, RAYMOND	R R 2	SEWARD	68434	NB
47-88-0010	SPERLING, RODNEY	R R 1	SCOTIA	68875	NB
47-91-0002	WOODWARD, ALLEN	R R 1	GUIDE ROCK	68942	NB
48-02-0001	BEEZLEY, WM M		GIRARD	66743	KS
48-02-0022	FICKEL, LEO AND ROGER	R R 4	CHANUTE	66720	KS
48-02-0067	ASHCRAFT, DWAINE		ERIE	66733	KS
48-03-0004	BARRAGAR, MEREDITH	R R 2	OSWEGO	67356	KS
48-03-0008	HUNTER, PAUL W	R R 2	PARSONS	67357	KS
48-03-0024	GILLILAND, F S	R R 2	CHERRYVALE	67335	KS
48-03-0087	RAVEN, BILL	R R 2	EDNA	67342	KS
48-03-0105	ALLOWAY, EUGENE & FRANK	ALLOWAYVIEW FARM	R R 2 EDNA	67342	KS
48-03-0118	GROVE HILL FARMS	R R 3	ERIE	66733	KS
48-04-0005	TITMUS, FRANK	R R 1	GIRARD	66743	KS
48-05-0003	EWING, HAROLD L	R R 1	INDEPENDENCE	67301	KS
48-05-0075	JENSEN, LOREN	R R 1 BOX 209	NEODESHA	66757	KS
48-05-0076	CLUBINE, FRANK	R R	HAVANA	67543	KS
48-05-0077	PERKINS-DARRELL-JEWELL	R R 2	INDEPENDENCE	67301	KS
48-08-0003	STRICKLER, IVAN		IOLA	66749	KS
48-08-0038	CONGER, CARL C	R R 2	IOLA	66749	KS
48-09-0019	FISCHER, LYLE	R R 2	FORT SCOTT	66701	KS
48-09-0032	MC INTYRE, LEON		PRESCOTT	66767	KS
48-10-0016	SERGEANT, CHARLES D		LEBO	66856	KS
48-10-0046	SCOTT, RAY		LEBO	66856	KS
48-13-0051	PRETZ, GEORGE	R R 1	OSAWATOMIE	66064	KS
48-14-0007	JOHNSON, HOWARD H	R R 2	OTTAWA	66067	KS
48-14-0010	MARTIN, G E & SONS		OVERBROOK	66524	KS
48-14-0011	RANSOM, W G JR AND EST	% W G RANSOM	WILLIAMSBURG	66095	KS
48-14-0016	ALFORD, DONALD AND ESTHER	R R 2	LAWRENCE	66044	KS
48-14-0018	ECKMAN, ALBERT W	R R 3	BALDWIN	66006	KS
48-14-0020	WEMPE, F R	R R 1	LAWRENCE	66044	KS
48-14-0045	THORN, MRS YVONNE & ROGER		WELLSVILLE	66092	KS
48-14-0051	BIGSBY, ROBERT P	R R 2	LAWRENCE	66044	KS
48-14-0107	VAN HORN, DALE	R R 2	OTTAWA	66067	KS
48-14-0117	ANDERSON, WAYNE	R R 2	OTTAWA	66067	KS
48-14-0145	SHUCK, L & CRAWFORD, N	R R	OTTAWA	66067	KS
48-16-0036	GABBERT, JAMES W		PRESCOTT	66767	KS
48-19-0016	WEIR, JOHN JR	R R 2	GEUDA SPRINGS	67051	KS
48-19-0062	WHITE, FRANK E	R R 2	CEDAR VALE	67024	KS
48-20-0050	LEWIS, DARYL D	R R 2	PIEDMONT	67122	KS
48-20-0063	ANDRES, RONALD J	R R 3	NEWTON	67114	KS
48-21-0027	GOERING, HERMAN B	R R 3	MCPHERSON	67460	KS
48-21-0051	WIEBE, VIRGIL		CONWAY	67434	KS
48-21-0079	KNACKSTEDT, GENE A	R R 2	INMAN	67546	KS
48-21-0091	NEHER, DOYLE	R R 2	HUTCHINSON	67501	KS
48-22-0011	CEE JAY FARM DAIRY	% DON PAULEY R R 1	NEWTON	67114	KS
48-22-0022	MUELLER, WALDO		HALSTEAD	67056	KS
48-22-0037	SIEMENS, ROBERT H	R R 2	HALSTEAD	67056	KS
48-22-0038	LEHMAN, WALTER E	R R 1	NEWTON	67114	KS
48-22-0064	JOST, TITUS F	R R 5	NEWTON	67114	KS
48-23-0001	CONNER, LESTER AND DELMAR	R R 1 BOX 119	LYONS	67554	KS
48-23-0023	HEADLEY, RANCE K		ELLSWORTH	67439	KS
48-23-0042	CULLF, EUGENE		STERLING	67579	KS
48-23-0046	REED, EDWARD A	R R 2	LYONS	67554	KS
48-23-0050	HARRISON, ROBERT W	R R 2	STERLING	67579	KS
48-24-0001	JONES, C K		COTTONWOOD FALLS	66845	KS
48-24-0002	BURTON, JOHN E		COTTONWOOD FALLS	66845	KS
48-25-0046	MILLER, MELVIN E	R R 1	WESTPHALIA	66093	KS
48-25-0004	MARTIN, DON	R R 2 BOX 38	LARNED	67550	KS
48-25-0006	HAUN, HAROLD AND SONS	R R 1	LARNED	67550	KS
48-25-0010	BOWMAN, HERB	R R 2 BOX 89	LARNED	67550	KS
48-26-0033	BURKHART, ELRED AND SONS	R R 2	KINSLEY	67547	KS
48-25-0045	BEER, GUY R	R R 3	LARNED	67550	KS
48-25-0057	KLEIN, ALLEN	R R	ROZEL	67574	KS
48-34-0023	DIEHL, FRED		DODGE CITY	67801	KS
48-34-0025	EXPERIMENT STATION	BOX 245	GARDEN CITY	67846	KS
48-34-0045	MILLER, DONALD E	ALF MEAD SWISS FM	DODGE CITY R R 1	67801	KS
48-34-0063	REIMER, ARNOLD E		MEADE	67864	KS
48-44-0016	SCHRAG, GALEN	R R 1	PRETTY PRAIRIE	67570	KS
48-44-0018	GRABER, CLAIRE D	R R 1	PRETTY PRAIRIE	67570	KS
48-44-0030	FRANKLIN, EUGENE AND BILL	R R 1	HUTCHINSON	67501	KS
48-44-0102	BLANK FARMS	R R 3	HUTCHINSON	67501	KS
48-44-0133	MILLER, MAHLON	R R 1	HUTCHINSON	67501	KS
48-44-0141	HUXMAN, DALE	R R 2	PRETTY PRAIRIE	67570	KS
48-44-0148	BEACHY, HARLEY	R R 1	HUTCHINSON	67501	KS
48-44-0149	LUBBERS FARM	R R 1	KINGMAN	67068	KS
48-44-0152	HUXMAN, DALE	R R 1	PRETTY PRAIRIE	67570	KS
48-44-0163	LEWIS, C C & SONS	R R 4	PRATT	67124	KS
48-44-0170	VALLEY VIEW FARM	MELVIN SIEMENS R 2	KINGMAN	67068	KS
48-44-0171	ELMARDA GUERNSEY FARM	% ART GOERING R 1	MURDOCK	67111	KS
48-44-0172	KREHBIEL, PAUL DEAN	R R 2	KINGMAN	67068	KS
48-44-0173	TETER, ROGER	R R 1	BUHLER	67522	KS
48-44-0185	BONTRAGER, ELDON E		ARLINGTON	67514	KS
48-45-0023	LEIS, DOROTHY		VIOLA	67149	KS
48-45-0029	HEERSCHE BROS	R R 1	MULVANE	67110	KS
48-45-0030	HAND, WALTER AND SONS		MULVANE	67110	KS

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	. . . . A D D R E S S O F O W N E R . . . . STREET OR ROUTE	TOWN	ZIP-CODE	STATE
48-45-0081	SEILER, PAUL	R R 1	VALLEY CENTER	67147	KS
48-46-0010	SHETLAR, LUTHER	R R 2	CONWAY SPRINGS	67031	KS
48-50-0030	PLEASANT VALLEY	HOLSTEIN FARM INC	HARPER	67058	KS
48-68-0022	WALTERS, DELBERT-GERALD	CATHERINE ROUTE	HAYS	67601	KS
48-71-0015	MOBERLY, MAUD & ALICE	R R 2	AMES	66931	KS
48-71-0056	SHERWOOD, KENNETH FAMILY	R R 2	CONCORDIA	66901	KS
48-71-0057	SHELLEY, CLIVE R	R R 2	JAMESTOWN	66948	KS
48-71-0066	PACHTA, VINCENT P	R R 1	BELLEVILLE	66935	KS
48-72-0001	LOHMEYER, ARNOLD	R R 1	PALMER	66962	KS
48-72-0017	FRERKING, MERLIN		HERKIMER	66433	KS
48-72-0018	PLEGGE, HERB	R R 3	MARYVILLE	66508	KS
48-72-0043	HARRIES, WILLIAM		BREMEN	66412	KS
48-72-0063	HAMEL, ROY JUNIOR	R R 3	CLIFTON	66937	KS
48-75-0005	WILLMETH, RICHARD	R R 1	JEWELL	66949	KS
48-75-0009	DINKEL, DEVANE AND LINDA	R R 2 BOX 29	LEBANON	66952	KS
48-77-0034	PRUITT, LLOYD & JOHN	R R	BARNARD	67418	KS
48-77-0049	WESLEY, MR & MRS ALBERT	SUNGLO DAIRY	ADA	67414	KS
48-79-0007	MCDOWELL, IRVIN & SONS	R R 3	SALINA	67401	KS
48-79-0009	CARLIN, J W AND SON	R R	SMOLAN	67479	KS
48-79-0014	SCHNEIDER BROS	R R 1	SALINA	67401	KS
48-79-0017	FORSBERG BROS	% KURT FORSBERG RR	ASSARIA	67416	KS
48-79-0026	MORRISON BROS	R R 2	SALINA	67401	KS
48-79-0038	MAYER, LAWRENCE	R R	GYPSUM	67448	KS
48-79-0052	NILSON, EMMANUEL D & SON	R R	GYPSUM	67448	KS
48-79-0054	KARBER, GERALD J	R R 1	GYPSUM	67448	KS
48-80-0030	STEENBOCK, MARVIN		MANCHESTER	67463	KS
48-81-0006	SEXTON, BILL	R R 1	ABILENE	67410	KS
48-81-0035	SEXTON, JACK	R R 1	ABILENE	67410	KS
48-81-0061	SMITH, DELBERT	R R 2	ENTERPRISE	67441	KS
48-81-0064	SCANLAN, HAROLD	R R 1	ABILENE	67410	KS
48-82-0016	RUCKHOME HOLSTEINS	R R 3 BOX 45	HILLSBORO	67063	KS
48-82-0026	ENNS, LAUREN W	R R 3 BOX 39	HILLSBORO	67063	KS
48-82-0036	ENNS, HOMER	R R 3 BOX 27	HILLSBORO	67063	KS
48-82-0053	SCHMIDT, ALFRED M	R R 1 BOX 45	PEABODY	66866	KS
48-83-0042	BAUCK, GLEN	R R 2	LYNDON	66451	KS
48-84-0029	MYERS, FRANKLIN	R R 1	AMERICUS	66835	KS
48-86-0026	OLSON, HERBERT	R R 1	ALTA VISTA	66834	KS
48-86-0027	SCHURLE, DAVID	R R 1	MANHATTAN	66502	KS
48-86-0045	REICHERT, RALPH AND BETTY	R R 1	RILEY	66531	KS
48-88-0054	BOWEN, SAMUEL D	R R 4	HIAWATHA	66434	KS
48-88-0075	KNUDSON, KENNETH	R R 5	HIAWATHA	66434	KS
48-88-0099	KOENIG, JUBIAL	R R 1	HIAWATHA	66434	KS
48-89-0008	ROTTINGHAUS HOLSTEIN FRM	R R	SENECA	66538	KS
48-89-0009	BURGER, HARRY & M		SENECA	66538	KS
48-89-0013	KESLER, HAROLD R	R R	SABETHA	66534	KS
48-89-0014	MONTGOMERY, E J	R R 4	SABETHA	66534	KS
48-89-0015	ROEDER, MATTHIAS		SENECA	66538	KS
48-89-0023	IDLE-NOT FARM		BAILEYVILLE	66404	KS
48-89-0025	HOLTHAUS, EDWIN	R R	SOLDIER	66540	KS
48-89-0032	BUESSING, W J	R R	BAILEYVILLE	66404	KS
48-90-0021	SEELE, LEROY		ST MARYS	66536	KS
48-90-0035	HEIMAN, REGIS	R R 2	ONAGA	66521	KS
48-91-0004	KLASSEN BROS	R R 3 BOX 42	HILLSBORO	67063	KS
48-91-0031	FUNK, LLOYD A	R R 2 BOX 150	HILLSBORO	67063	KS
48-91-0037	BUESE, ALVIN		LEHIGH	67073	KS
48-91-0054	FLAMING, VERNON L	R R 3 BOX 127	HILLSBORO	67063	KS
48-91-0068	PANKRATZ, ELDON R	R R 3 BOX 135	HILLSBORO	67063	KS
48-91-0078	HANSCHU, LYLE		RAMONA	67475	KS
48-91-0081	ANDRES, ELDON	R R 1	PEABODY	66866	KS
48-92-0050	MILES, FRANK E	BOX 112	ONEIDA	66522	KS
48-92-0064	SCHRICK, LARRY	R R 3	ATCHISON	66002	KS
48-92-0069	LEACH, ROBIN DEE	R	LINWOOD	66052	KS
48-92-0081	BRUSE, MELVIN L	R R 2	VALLEY FALLS	66088	KS
48-93-0044	SHAW, HOWARD	R R 2	HOLTON	66436	KS
48-95-0010	PALMER, GLENN A	R R 1	TOPEKA	[illegible]	KS
48-95-0043	KOCH, JOSEPH	R R 9	TOPEKA	[illegible]	KS
48-95-0062	CLARK, DELBERT R		BERRYTON	[illegible]	KS
48-96-0011	ANDYACRES HOLSTEIN FARM	R R 2	WHITE CITY	[illegible]	KS
48-96-0043	COMP, JON	R R 1	WHITE CITY	[illegible]	KS
48-97-0007	BECKWITH, CLIFFORD	R R 4 BOX 83	LEAVENWORTH	[illegible]	KS
48-97-0016	PENITENTIARY DAIRY		LANSING	[illegible]	KS
48-97-0030	BODENHAUSEN, DALE		MUSCOTAH	[illegible]	KS
48-97-0077	BARNETT, KENNETH & DANNY		EFFINGHAM	[illegible]	KS
48-99-0027	MORRISON DAIRY	R R 2	SPRINGHILL	[illegible]	KS
48-99-0040	WILSON, CHASE	BOX 8089	PRAIRIE VILLAGE	[illegible]	KS
50-10-0001	NELSON, RONALD	R D 3	NEWARK	[illegible]	DE
50-10-0007	UNIVERSITY OF DELAWARE	ATT G F W HAENLEIN	NEWARK	19711	DE
50-10-0008	UNIVERSITY OF DELAWARE	ATT G F W HAENLEIN	NEWARK	19711	DE
50-10-0013	PASSMORE, WILLS	R D 1 BOX 64	TOWNSEND	19734	DE
50-10-0014	PHIPPS, W. L. AND SON	RD1 101 OWLS NEST	WILMINGTON	[illegible]	DE
50-10-0020	BUENA VISTA FARM		NEW CASTLE	19720	DE
50-10-0074	SHEATS, EARL L.	ROUTE 1	MIDDLETOWN	19709	DE
50-10-0082	COLLINS, GILBERT L.	R D 2	MIDDLETOWN	19709	DE
50-10-0084	SHEATS, LLOYD & DAVID	RD2 BX280 MIDDESSA	MIDDLETOWN	[illegible]	DE
50-10-0085	CLEAVER, G. LESTER	MAPLE GROVE FARM	MIDDLETOWN	[illegible]	DE

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	. . . . A D D R E S S O F O W N E R . . . . STREET OR ROUTE	TOWN	ZIP-CODE	STATE
50-10-0087	KUX, WILLIAM	AUGUSTINE CREEK FA	PORT PENN	19731	DE
50-10-0095	KOELIG, J. OLIVER	R D 2	NEWARK	19711	DE
50-10-0099	FEUCHT, CARL W. JR.	R D 1 HD 1	MIDDLETOWN	19709	DE
50-10-0100	PROUD, DONALD	P.O. BOX 449	HOCKESSIN	19707	DE
50-20-0005	HOLLYRILL FARM INC.	BOX 135 R D #1	FELTON	19943	DE
50-20-0021	HAAS, WOODROW	RD	WYOMING	19934	DE
50-20-0023	DIXON, SAM	R D 1	CLAYTON	19938	DE
50-20-0028	BANCROFT AND THOMAS	RD 1 BOX 475	DOVER	19901	DE
50-20-0034	KOZICKI, HENRY	RD	CLAYTON	19938	DE
50-20-0095	LARMAC FARM	HAZLETVILLE RD	DOVER	19901	DE
50-20-0123	WEBB, HARRY A.	R D 2	GREENWOOD	19950	DE
50-20-0134	DAVIS, C. ALLEN	R D 1	CLAYTON	19938	DE
50-20-0137	KOLAKOWSKI, THOMAS A.	BOX 95 R D	CLAYTON	19938	DE
50-20-0138	MOORE BROTHERS	BOX 53 R D 1	SMYRNA	19977	DE
50-30-0003	BROOKS, JAMES		MILTON	19968	DE
50-30-0009	BAILEY, J. E. & SONS INC		FEDERALSBURG	21632	MD
50-30-0016	WEBB, L. ROBBINS	BOX 92	LINCOLN	19960	DE
50-30-0032	WILKINS, HOWARD E.	BOX 50	MILFORD	19963	DE
50-30-0050	CRESS, ELDRED		FRANKFORD	19945	DE
50-30-0058	BRYAN, HOMER		LEWES	19958	DE
50-30-0064	VANDERWENDE, WILLIAM		BRIDGEVILLE	19933	DE
50-30-0124	TRICE, WILMER	ROUTE 2 BOX 203	FEDERALSBURG	21632	MD
51-01-0011	CLIFTON H WAYSON		DAVIDSONVILLE,	21035	MD
51-01-9018	DR LEONARD S BULL	DAIRY SB U OF M	COLLEGE PARK,	20742	MD
51-01-9026	NW HOOVEN, JR	BD 173 AGR RES CTR	BELTSVILLE,	20705	MD
51-02-0007	D E OR C M COLE	COLEVIEW FARM	HAMPSTEAD,	21074	MD
51-02-0035	CLOVERLAND DAIRY FARMS		PHOENIX,	21131	MD
51-02-0041	JAMES W ARMACOST	JAMARIE FARM	UPPERCO,	21155	MD
51-02-0099	KENNETH RHOTEN	CLAY BOTTOM FARM	HAMPSTEAD	21074	MD
51-02-0144	BILLY NELSON		WHITE HALL,	21161	MD
51-02-0151	DONABET FARM	ROUTE 2 BOX 160	HAMPSTEAD	21074	MD
51-02-9010	HARRY HEDRICK		PARKTON,	21120	MD
51-02-9026	HICKORY HILL FARM, INC		UPPERCO	21155	MD
51-02-9135	MILTON G WHITE, JR		HYDE,	21082	MD
51-03-0002	FERDINAND NAGEL	BOX 381, RFD 2	FEDERALSBURG,	21632	MD
51-03-0016	JOHN FUCHS & SON		DENTON,	21629	MD
51-03-0027	WM E & EDWIN MEREDITH	RD 2 BOX 244	FEDERALSBURG,	21632	MD
51-03-0028	THOMAS TODD, JR		FEDERALSBURG,	21632	MD
51-03-0056	ROBERT J MEREDITH	RFD 2 BOX 255	FEDERALSBURG,	21632	MD
51-03-0057	EDGAR S VOORHEES	RFD, BOX 185	DENTON,	21629	MD
51-03-0066	ELMER EDWARDS		GREENSBORO,	21639	MD
51-03-0069	CHARLES T DEAN & SONS	R D BOX 214	RIDGELY	21660	MD
51-03-0070	DANIEL HOLLINGSWORTH, 11	RD 3	DENTON,	21629	MD
51-03-0071	MATTHEW GULRICH	RD 1, BOX 125	HENDERSON,	21640	MD
51-03-0074	COLLISON DAIRY FARM	RD 3	HARRINGTON,	19952	MD
51-03-9011	BROOKS NAGEL AND SON		PRESTON,	21655	MD
51-03-9068	J HANSEN HOFFMAN		RIDGELY,	21660	MD
51-04-0014	MRS EARL BUCKEY		UNION,	21791	MD
51-04-0022	BARNES AND WILHIDE	RFD 2	NEW WINDSOR,	21776	MD
51-04-0031	EARL D BEARD	R F D 3	WESTINSTER	21157	MD
51-04-0036	ROLAND POOL	RFD 4	WESTMINSTER,	21157	MD
51-04-0037	DONALD DELL	RFD 3	WESTMINSTER,	21157	MD
51-04-0043	KEY DE BLUE FARM	CARROLL M WILHIDE	DETOUR,	21725	MD
51-04-0062	RAY M HAINES	RFD 1	LITTLESTOWN,	17340	MD
51-04-0083	GEO & DANIEL FRITZ	RFD 1	NEW WINDSOR	21776	MD
51-04-0145	CLETUS KRUMRINE	RFD 2	WESTMINSTER,	21157	MD
51-04-0151	HARRY W ROACH III		NEW WINDSOR	21776	MD
51-04-0181	MARLIN HOFF	RD 2	NEW WINDSOR,	21776	MD
51-04-0184	HENRY T MULLER	RD 5	WESTMINSTER,	21157	MD
51-04-0186	WILLIAM E SCHNEIDER	RD 3	SYKESVILLE,	21784	MD
51-04-0214	RICHARD F FEESER	RFD 2	WESTMINSTER,	21157	MD
51-04-0228	JAMES & ARDEL STONESIFER	BOX 140, ROUTE 7	WESTMINSTER,	21157	MD
51-04-0235	W H BARNES JR	ROUTE 2 BOX 210	MT AIRY	21771	MD
51-04-0245	HERMAN H HARTSOCK	RFD 1	UNION,	21791	MD
51-04-0249	RASH BROTHERS	ROUTE 1	WOODBINE,	21797	MD
51-04-0255	ROBERT BASSLER	ROUTE 2	NEW WINDSOR	21776	MD
51-04-0262	VICTOR GRAYSON		KEYMAR,	21757	MD
51-04-0277	WILLIAM H MILLER	RFD 1	TANEYTOWN,	21787	MD
51-04-0288	ROBERT EDWARDS		UNION BRIDGE	21791	MD
51-04-0291	DONALD SAVAGE	ROUTE 2, GILLIS RD	MT AIRY	21771	MD
51-04-0292	J A SCHWARTZBECK, JR	ROUTE 1	UNION BRDGE,	21791	MD
51-04-0296	J HOWARD STILES	ROUTE 1	LITTLESTOWN	17340	MD
51-04-0298	JERRY SAVAGE	RFD #2	MT AIRY	21771	MD
51-04-0308	DONALD ENSOR	RT 1 BOX 190	PARKTON	21120	MD
51-04-0313	MAPLE LAWN FARM INC.		FULTON	20759	MD
51-04-9030	JOHN H HULL	RFD 3	WESTMINSTER,	21157	MD
51-04-9170	SWISSVALE FARMS	E L GRISWALD RD 2	WESTMINSTER,	21157	MD
51-04-9197	ROBERT & JOHN RINEHART	RFD 1	LITTLESTOWN,	17340	MD
51-05-0008	CHARLES P ENGLAND	RD 1	RISING SUN,	21911	MD
51-05-0009	HOWARD T ENGLAND	RD 1	NORTH EAST,	21901	MD
51-05-0010	ELBERT RAY MCGRADY	RD 1	RISING SUN,	21911	MD
51-05-0017	CARL W FEUCHT JR.	RD 1 HD 2	MIDDLETOWN	19709	MD
51-05-0056	LONG GREEN FARMS INC.	ROUTE 1	RISING SUN	21911	MD
51-05-0098	JOSEPH W ORR, SR.		RISING SUN,	21911	MD
51-05-0109	J B CARSON AND SON	ROUTE 1	RISING SUN,	21911	MD

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	. . . . A D D R E S S O F O W N E R . . . . STREET OR ROUTE	TOWN	ZIP-CODE	STATE
51-05-0112	AYERS, DONALD B.	R D 1	PORT DEPOSIT	21904	MD
51-05-0122	ALBECK FARMS, INC.	RD 2	RISING SUN,	21911	MD
51-05-0161	WILSON AYERS		RISING SUN,	21911	MD
51-05-0167	ANCHOR & HOPE INC	ZARUTHER GOOD	PORT DEPOSIT	21904	MD
51-05-0172	LOVDAL FARMS	ROAD 1	RISING SUN	21911	MD
51-05-7188	WALTER DRUMMOND	JCK MILLER RD 1	CHESAPEAKE,	21915	MD
51-05-9001	MT ARARAT FARMS	FRANK D BROWN	PORT DEPOSIT,	21904	MD
51-05-9014	DONALD BALDERSTON		COLORA	21917	MD
51-05-9036	J STANLEY FRAZER		EARLEVILLE,	21919	MD
51-05-9044	JOSEPH B OSBORNE	ROUTE 1, BOX 142	NORTH EAST,	21901	MD
51-05-9110	WILLARD R LANE	HVEN LN FRMS RD 2	RISING SUN,	21911	MD
51-05-9132	GEORGE C FRY		EARLEVILLE,	21919	MD
51-06-0019	RAWLINGS APPLE	RD 1,BOX 140	VIENNA,	21869	MD
51-06-0027	BRINSFIELD BROTHERS	BOX 139	VIENNA,	21869	MD
51-06-0034	JOSEPH HOLECHECK		FEDERALSBURG,	21632	MD
51-06-0040	LUTHER HUSTON	RFD 1	HEBRON,	21830	MD
51-07-0023	AUSTIN B COBLENTZ	ROUTE 1	JEFFERSON,	21755	MD
51-07-0026	JOHN A HOPE, JR.	RFD	KNOXVILLE,	21758	MD
51-07-0039	PAUL E CRAMER	R R LEWIS FARM	WALKERSVILLE,	21793	MD
51-07-0041	WILLIAM J WILCOM, JR.	WLCME LAWN FM RT 2	FREDERICK,	21701	MD
51-07-0059	RALPH S RIPLEY		NEW WINDSOR,	21776	MD
51-07-0064	AUSTIN L REEDER	ROUTE 2	UNION BRIDGE	21791	MD
51-07-0087	HARRY L TROUT, JR.	ROUTE 1	FREDERICK,	21701	MD
51-07-0127	WILLIS O REMSBERG		ADAMSTOWN,	21710	MD
51-07-0135	GEORGE W. CASWELL	ROUTE 1	EMMITSBURG	21727	MD
51-07-0151	THOMAS AND JONES	ROUTE 1	ADAMSTOWN	21710	MD
51-07-0180	RICHARD R REMSBURG	RFD	JEFFERSON,	21755	MD
51-07-0184	KENNETH BURRIER	ROUTE 2	UNION BRIDGE	21791	MD
51-07-0192	IRVIN H ZIMMERMAN		WALKERSVILLE,	21793	MD
51-07-0236	ALLEN BROTHERS	RFD	JEFFERSON	21755	MD
51-07-0241	WILLIAM SCHRODEL	ROUTE 5	FREDRICK	21701	MD
51-07-0242	PAUL H CLEMSON JR	P. O. BOX 56	FREDERICK	21701	MD
51-07-0297	JACK M KLING	ROUTE 2	TANEYTOWN	21787	MD
51-07-0340	G EUGENE ANDERSON	ROUTE 1	THURMONT,	21788	MD
51-07-0365	CHARLES AND JANE SMITH	ROUTE I	JEFFERSON,	21755	MD
51-07-0400	HAROLD L LENHART	ROUTE 1	THURMONT	21788	MD
51-07-0409	CHARLES A WILES	RFD 9	FREDERICK	21701	MD
51-07-0421	C M AUSHERMAN AND SON	RFD	WALKERSVILLE,	21793	MD
51-07-0423	HAROLD LONG	ROUTE I	THURMONT,	21788	MD
51-07-0432	MEHRLE H RAMSBURG JR	RFD #1	THURMONT	21788	MD
51-07-0443	ANDREW BAUGHMAN	RD 2	TANEYTOWN	21787	MD
51-07-0449	WARNER BROS INC	ROUTE 2	KEYMAR	21757	MD
51-07-9020	MAURICE S AHALT	CATOCHREEK FARM	MIDDLETOWN,	21769	MD
51-07-9025	CECIL K HOLTER AND SON	ROUTE 1	JEFFERSON,	21755	MD
51-07-9027	J WILMER HOUSE	RFD	MIDDLETOWN,	21769	MD
51-07-9029	HICKORYVALE FARM	ROUTE 2	MIDDLETOWN,	21769	MD
51-07-9031	FRANK G REMSBERG	ROUTE 2	MIDDLETOWN,	21769	MD
51-07-9040	C LESTER DUDROW		LIME,	21763	MD
51-07-9066	DAVID F GROSSNICKLE		UNION BRIDGE,	21791	MD
51-07-9086	RUSSELL S WACHTER		KEYMAR,	21757	MD
51-07-9109	JAMES M STUP		WALKERSVILLE,	21793	MD
51-07-9140	CLARKE & BEATRICE TOMS	ROUTE 10	FREDERICK,	21701	MD
51-07-9164	WILLIAM C KEPLER	RFD	MIDDLETOWN,	21769	MD
51-07-9272	DONALD DEAN KELLER		MIDDLETOWN,	21769	MD
51-07-9281	JAMES R HILL	ROUTE 2	EMMITSBURG	21727	MD
51-07-9375	ED & CAROL KAHLER	ROUTE 2	KEYMAR	21757	MD
51-07-9382	ROBERT & MARY PODLE	RFD 4	FREDERICK	21701	MD
51-07-9390	GLEN E. MORROW	6208 REDWING COURT	BETHESADA	20034	MD
51-07-9394	DONALD L WILCOM		IJAMSVILLE,	21754	MD
51-07-9407	REUBEN & THELMA LOCKE	ROUTE 5	FREDRICK	21701	MD
51-08-0005	CRIST YODER		GRANTSVILLE,	21536	MD
51-08-0041	CLAUDE W WAGNER, JR.	STAR ROUTE	OAKLAND,	21550	MD
51-08-0075	WILLIS MAUST		ACCIDENT,	21520	MD
51-08-0084	GLEN SAVAGE DAIRY		MT SAVAGE,	21545	MD
51-08-0090	KENNETH L YODER		GRANTSVILLE.	21536	MD
51-08-0105	EZRA P YODER	RD 2	GRANTSVILLE,	21536	MD
51-08-0113	GLENN DURST	STAR ROUTE	FROSTBURG,	21532	MD
51-08-0118	CARL BENDER		ACCIDENT,	21520	MD
51-08-0130	THOMAS R MASON	ROUTE 1	BRUCETON MILS	26525	MD
51-08-0140	EDGAR P YODER	STAR ROUTE	GRANTSVILLE,	21536	MD
51-09-0007	CHARLES DAVIS		PYLESVILLE	21132	MD
51-09-0011	JAMES FIELDER	RD 2, BOX 73	BEL AIR,	21014	MD
51-09-0029	H ROLD SMITH	RD1, BOX 49	WHITE HALL,	21161	MD
51-09-0035	RONALD JONES	ROUTE 1, BOX 294	WHITE HALL,	21161	MD
51-09-0039	CHARLES BIRCH	RD	STEWARTSTOWN.	17363	MD
51-09-0115	BENJAMIN H AMOSS	ROUTE 1	FALLSTON,	21047	MD
51-09-0173	TWIN PINE FARM	CHARLES J KNOX	WHITEFORD,	21160	MD
51-09-0199	CHARLES W GLASGOW		STREET,	21154	MD
51-09-0202	TOM AND ABRAM ENSOR	ROUTE 1, BOX 134	STREET,	21154	MD
51-09-9187	SCHENNING BROTHERS	RD 2 BOX 132	BELAIR	21014	MD
51-10-0010	HOWARD S HART	3200 DAISY ROAD	WOODBINE	21797	MD
51-10-0016	UNICORN ASSOCIATES	3481 MANOR LANE	ELLICOTT CITY	21842	MD
51-10-0022	JAMES A WELLINGS SR		SYKESVILLE	21874	MD
51-10-0105	STANLEY M PICKETT	ROUTE 2	MT AIRY,	21771	MD
51-10-0137	U.S. NAVAL ACADEMY DAIRY		GAMBRILLS,	21054	MD

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	. . . . ADDRESS OF OWNER			
		STREET OR ROUTE	TOWN	ZIP-CODE	STATE
51-10-0151	MARK CLARK	10572 ROUTE 108	ELLICOTT CITY	21043	MD
51-10-9008	NINA R CARROLL	DOUGHOREGAN MANOR	ELLICOTT CITY	21042	MD
51-10-9018	C E IAGER AND SONS		FULTON	20759	MD
51-10-9098	UNIVERSITY OF MARYLAND	FORAGE RSRCH FARM	ELLICOTT	21042	MD
51-10-9146	R CURTIS DAY	8711 MAIN STREET	DAMASCUS,	20750	MD
51-11-0005	ANDELOT INCORPORATED		WORTON,	21678	MD
51-11-0021	WILBUR H MORRIS	ROUTE 2	CHESTERTOWN,	21620	MD
51-11-0050	BRICK HOUSE FARM, INC.	RD 2	CHESTERTOWN,	21620	MD
51-11-0065	E R COOK AND SON		KENNEDYVILLE,	21645	MD
51-11-0106	OLIN DAVIS, JR.		GOLTS,	21637	MD
51-11-0117	JOHN D FERNWALT, JR.		KENNEDYVILLE,	21645	MD
51-11-0121	EARLE CHANCE AND SON		GALENA,	21635	MD
51-11-0133	JOSEPH A MC HENRY & SO	R F D	KENNEDYVILLE	21645	MD
51-11-0143	ALBERT F BAXTER		WORTON,	21678	MD
51-11-0146	WILLIAM M CHANCE JR.	P. O. BOX 27	MILLINGTON	21651	MD
51-11-0149	JOSEPH W SMITH		MILLINGTON,	21651	MD
51-11-0151	GEORGE RONNIE LEAGER		CHESTERTOWN,	21620	MD
51-11-0156	MC GUIRE BROTHERS, INC.	BOX 6	KENNEDYVILLE,	21645	MD
51-11-0170	WINTACRES	ROUTE 1 BOX 127	SUDLERSVILLE	21668	MD
51-11-9034	H JULIAN HILL & SONS	RFD	KENNEDYVILLE	21645	MD
51-11-9073	R S TARBUTTON		KENNEDYVILLE,	21645	MD
51-11-9115	WILLIAM L MC DANOLDS		STILL,	21667	MD
51-11-9122	EDWIN C FRY	RD 1	CHESTERTOWN,	21620	MD
51-11-9137	CARL C LEONARD	RFD	KENNEDYVILLE,	21645	MD
51-11-9150	G P MC DANOLDS, JR.	RD	WORTON,	21678	MD
51-12-0024	GLAD-MAR FARM INC	BOX 187 RT 1	POCOMOKE CITY	21851	MD
51-12-0054	HAROLD HOLSTETLER		WESROVER	21871	MD
51-13-0018	STEWART WALKER AND SONS		MONROVIA,	21770	MD
51-13-0064	D AND E B WEITZER		POOLESVILLE,	20837	MD
51-13-0150	SAVAGE-LEIGH FARM		BOYDS	20720	MD
51-13-0174	WILLIAM PARRECO	OAKWOOD FARMS	GERMANTOWN,	20767	MD
51-13-0200	CLARENCE PEARSON	15001 SHADY GROVE	ROCKVILLE	20850	MD
51-13-9002	GARRETT BROTHERS	10810 DARNESTOWN	ROCKVILLE,	20854	MD
51-13-9135	LESLIE C KING	KINGSTEAD FARMS	CLARKSBURG,	20734	MD
51-14-0004	E STUART DELBROOK	BOX 121, ROUTE 1	MT SAVAGE,	21545	MD
51-14-0064	DONALD V BROOKE	ROUTE 1, BOX 191	KEYSER,	26726	MD
51-15-0014	WILLIAM B MESSIX JR		QUEEN ANNE	21657	MD
51-15-0015	WILSON A DUKES		CENTREVILLE	21617	MD
51-15-0037	BARCLAY R STANTON		CHURCH HILL,	21623	MD
51-15-0101	JAMES ROBERT SPIES	ROUTE 1, BOX 102	HENDERSON,	21641	MD
51-15-0105	F REED LEAVERTON		CENTREVILLE,	21617	MD
51-15-0109	FRANKLIN MOORE	RD 1, BOX 90	CENTREVILLE,	21617	MD
51-15-0120	JAMES F KIMBLE	BOX 53 RD 1	CENTREVILLE	21617	MD
51-15-0124	KIMSTEAD FARM		CENTREVILLE	21617	MD
51-15-0129	HOLLYBERRY FARMS INC	R D 2 BOX 116	CENTREVILLE	21617	MD
51-15-0130	HAROLD L BROWN		CENTREVILLE	21617	MD
51-15-0133	WINTACRES	RT. 1 BOX 127	SUDLERSVILLE,	21668	MD
51-15-9106	E JARRETT EVERETT		PRICE	21656	MD
51-15-9119	JOHN L KING, JR.	ROUTE 1, BOX 56	CHURCH HILL,	21623	MD
51-15-9121	LLOYD MARION ANDREW	ROUTE 1	CENTREVILLE	21617	MD
51-16-0044	ARTHUR F COVEY	GLEBE ROAD	EASTON,	21601	MD
51-16-0061	HERBERT L ANDREW, 3RD	RT 3 BOX 156	EASTON,	21601	MD
51-16-0063	BAY ACRES, INC	RD 2 BOX 122	TRAPPE	21673	MD
51-17-0003	GEORGE STILES	FARM 1	BOONSBORO,	21713	MD
51-17-0004	GEORGE STILES	FARM 2 - ROUTE 1	BOONSBORO.	21713	MD
51-17-0005	R A MC CAULEY	ROUTE 6	HAGERSTOWN,	21740	MD
51-17-0008	NORMAN E EBY	ROUTE 4	HAGERSTOWN,	21740	MD
51-17-0029	PAUL CULLER	ROUTE 1	SHARPSBURG	21782	MD
51-17-0035	TRUMAN MARTIN	2454 PENNSYLVANIA	HAGERSTOWN,	21740	MD
51-17-0036	EARL GROVE	ROUTE 3	HAGERSTOWN,	21740	MD
51-17-0037	WILLIAM H PRICE	ROUTE 1	CLEAR SPRING,	21722	MD
51-17-0039	GEORGE S KEENER	ROUTE 2	HAGERSTOWN,	21740	MD
51-17-0050	LEWIS LEHMAN	ROUTE 3	HAGERSTOWN,	21740	MD
51-17-0072	DOWNEY FARMS INC	ROUTE 1	WILLIAMSPORT	21795	MD
51-17-0075	ADIN MARTIN	2045 PENNSYLVANIA	HAGERSTOWN,	21740	MD
51-17-0080	LEON PRICE	ROUTE 1	SHARPSBURG	21782	MD
51-17-0081	MC MULLAN AND GRAVES	ROUTE 1	CLEAR SPRING,	21722	MD
51-17-0095	FIREY BROTHERS	ROUTE 1	CLEAR SPRING,	21722	MD
51-17-0108	BROOKLAWN FARMS	ATT H L MILLS, RF	HAGERSTOWN	21740	MD
51-17-0110	SAMUEL J WINTERS & SON	ROUTE 2	SMITHSBURG	21783	MD
51-17-0111	GLENN E MARTIN	ROUTE 2	KNOXVILLE,	21758	MD
51-17-0131	DONALD SHENBERGER	1666 1/2 SALEM AVE	HAGERSTOWN,	21740	MD
51-17-0144	THOMAS E SHAW	ROUTE 1	FAIRPLAY	21733	MD
51-17-0171	EDWARD P ROBINSON	ROUTE 1	HAGERSTOWN,	21740	MD
51-17-0175	ROY J BYERS	ROUTE 2	HAGERSTOWN,	21740	MD
51-17-0196	LARRY NEIL BEARD	ROUTE 2	BOONSBORO,	21713	MD
51-17-0197	LEONARD E LOWRY	ROUTE 4	HAGERSTOWN,	21740	MD
51-17-0198	JOHN DELANO BEARD	ROUTE 1	BOONSBORO,	21713	MD
51-17-0203	RICHARD W HARBAUGH	ROUTE 3	HAGERSTOWN	21740	MD
51-17-0211	CHARLES STILES	ROUTE 2	BOONSBORO,	21713	MD
51-17-0212	KINGMORE FARMS	%WILLIAM FILMORE	BOONSBORO,	21713	MD
51-17-0213	WILBUR TRUMPOWER	ROUTE 1	CLEAR SPRING,	21722	MD
51-17-0215	KENNETH E HARTMAN	ROUTE 2	SMITHSBURG,	21783	MD
51-17-0217	PRICE & FORSYTH	BOX 136 ROUTE 3	HAGERSTOWN	21740	MD
51-17-7207	GEORGE PRIEST 111	ROUTE 6	HAGERSTOWN	21740	MD

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	. . . . A D D R E S S STREET OR ROUTE	O F O W N E R . . . . TOWN	ZIP-CODE	STATE
51-17-7216	RALPH EDWARD HORST	ROUTE 6	HAGERSTOWN	21740	MD
51-17-9001	RALPH W SHANK	ROUTE 3	HAGERSTOWN,	21740	MD
51-17-9018	WALTER LITTON	ROUTE 1	BOONESBORO	21713	MD
51-17-9021	SETH K SCHNEBLY	ROUTE 1	CLEAR SPRING,	21722	MD
51-17-9120	ARTHUR RODERICK	ROUTE 1	HAGERSTOWN,	21740	MD
51-17-9128	ARTHUR FOUCHE	ROUTE 1	ROHRERSVILLE	21779	MD
51-17-9157	ARTHUR T LITTON	ROUTE 1	CLEAR SPRING,	21722	MD
52-04-0003	RIVERSIDE FARM	ROUTE 4	AMELIA	23002	VA
52-04-0009	W J MORRIS & SONS		AMELIA	23002	VA
52-04-0010	EGGLESTETTONS DAIRY FARM	RT 2	AMELIA	23002	VA
52-04-0011	CHARLES F MOYER	ROUTE 4	AMELIA	23002	VA
52-04-0030	R M & J A WATKINS	ROUTE 3 BOX 148	AMELIA	23002	VA
52-07-0013	JOHN G WRIGHT	ROUTE 1 BOX 351	WAYNESBORO	22980	VA
52-07-0025	SMITHS DAIRY		CHURCHVILLE	24421	VA
52-07-0034	MAPLE LAWN DAIRY		FISHERSVILLE	22939	VA
52-07-0037	ROBERT G HEIZER	STAR ROUTE B	STAUNTON	24401	VA
52-07-0041	W W RAWLEY		MT SOLON	22843	VA
52-07-0044	HAROLD W ROLLER	BOX 289	WEYERS CAVE	24486	VA
52-07-0053	JAMES F HEIZER	ROUTE 1	GREENVILLE	24440	VA
52-07-0055	HERSCHEL H GARDNER	RT 1 BOX 30	MT SOLON	22843	VA
52-07-0095	HOME PLACE FARM		STUARTS DRAFT	24477	VA
52-07-0096	MEADOW RUN DAIRY FARM	ROUTE 1	WAYNESBORO	22980	VA
52-07-0099	RILEY F WAGNER	RT 2 BOX 201	BRIDGEWATER	22812	VA
52-07-0103	AMOS C ZOOK		STAUNTON	24401	VA
52-07-0115	CAVE VIEW FARM	ROUTE 1	WEYERS CAVE	24486	VA
52-07-0127	R G HEIZER & SONS	STAR ROUTE B	STAUNTON	24401	VA
52-09-0092	WIPEDALE FARM	ROUTE 5 BOX 554	BEDFORD	24523	VA
52-11-0006	LEE P HAMMOND		BUCHANAN	24066	VA
52-11-0007	CAVE HILL DAIRY FARM	A H HENDERSON RT	TROUTVILLE	24175	VA
52-12-0005	DIAMOND GROVE FARM	DOUGLAS B CHILD	BROADNAX	23920	VA
52-12-0011	LAWRENCE E WRIGHT JR		BRODNAX	23920	VA
52-12-0012	WESWAM MANOR DAIRY		BRODNAX	23920	VA
52-12-0016	MOSELEY & NASH ENTERPRIS		EBONY	23845	VA
52-12-0020	E E MOSELEY		BRACEY	23919	VA
52-15-0001	JOHN W ARTHUR	ROUTE 1	RUSTBURG	24588	VA
52-15-0008	HENRY T PATRICK JR	RT 1 BOX 18	RUSTBURG	24588	VA
52-16-0002	SMITH BROTHERS FARM	RT 1 BOX 78	RUTHER GLEN	22546	VA
52-17-0033	C ELMER RUSSELL	ROUTE 1	WOOLAWN	24381	VA
52-19-0007	HOWARD BROS	BOX 218	CHARLOTTE	23923	VA
52-19-0025	JOHN MORSE	RT 2 BOX 85	BROOKNEAL	24528	VA
52-21-0001	JOHN D HARDESTY & SON	ROUTE 1	BERRYVILLE	22611	VA
52-23-0029	JAMES A WEAVER JR	ROUTE 2	CULPEPER	22701	VA
52-23-0035	JOHN M WILLIS		CULPEPER	22701	VA
52-23-0042	JOHN A HUNT		CULPEPER	22701	VA
52-23-0054	VA BAPTIST HOME		CULPEPER	22701	VA
52-23-0059	ASHLAND FARMS		CULPEPER	22701	VA
52-23-0063	CHARLES L HARLOW	ROUTE 1 BOX 18	CULPEPER	22701	VA
52-23-0067	JOSEPH A HOUCK	ROUTE 2 BOX 273-A	CULPEPER	22701	VA
52-23-0082	RICHARD P HARRIS JR		CULPEPER	22701	VA
52-23-0087	JAMES E MAGNER	ROUTE 1 BOX 109	RIXEYVILLE	22737	VA
52-24-0003	CUMVA FARMS	ROUTE 1	FARMVILLE	23901	VA
52-28-0005	MANAGER FRANKLIN FARMS		HERNDON	22070	VA
52-28-0011	JOHN MIDDLETON		HERNDON	22070	VA
52-29-0003	J W & J N EUSTACE		CATLETT	22019	VA
52-29-0011	M B JR & FRANK C OTT		BEALETON	22712	VA
52-29-0012	LACY W PETERS		CATLETT	22019	VA
52-29-0091	CECIL L LOMAX		WARRENTON	22186	VA
52-29-0102	RAYMOND SHROCK		CATLETT	22019	VA
52-29-0103	JAMES M HACKMAN	BOX 251	MIDDLEBURG	22117	VA
52-29-0113	THREE D FARM INC		CALVERTON	22016	VA
52-32-0006	J WILLARD BOWMAN		BOONES MILL	24065	VA
52-32-0008	E CLINE BRUBAKER	ROUTE 4	ROCKY MOUNT	24151	VA
52-32-0016	MARK W BOWMAN	RFD 1	BOONES MILL	24065	VA
52-32-0017	RAYMOND SCOTT		BOONES MILL	24065	VA
52-32-0018	AK HARDY	ROUTE 2	BOONES MILL	24065	VA
52-32-0021	W W NAFF JR		BOONES MILL	24065	VA
52-32-0030	HORACE C FISHER & SON		ROCKY MOUNT	24151	VA
52-32-0035	WILLIAM & WALTER KINGERY	ROUTE 1	ROCKY MOUNT	24151	VA
52-32-0038	D H SINK AND SONS		ROCKY MOUNT	24151	VA
52-32-0062	WALTER V MCCLURE	RT 3 BOX 45-A	FERRUM	24088	VA
52-32-0065	R ELBERT MILLIRON	RT 4	ROCKY MOUNT	24151	VA
52-32-0067	HERSCHEL R FIKE		ROCKY MOUNT	24151	VA
52-32-0080	R T MILAM		ROCKY MOUNT	24151	VA
52-32-0084	BEN P MIDDLETON		PENHOOK	24137	VA
52-33-0001	FORT COLLIER FARMS		WINCHESTER	22601	VA
52-33-0019	R V STILES & SONS		CLEARBROOK	22624	VA
52-37-0025	MR R STEPHEN KIRK	RT 3 BOX 178 A	INDEPENDENCE	24348	VA
52-37-0034	JOE DON DICKENSON		FRIES	24330	VA
52-37-0035	E J RICHARDSON	RT 1	GALAX	24333	VA
52-42-0004	C W SMITH & SONS INC	ROUTE 2 BOX 155	RUTHER GLEN	22546	VA
52-42-0005	ROBERT G SMITH		BEAVERDAM	23015	VA
52-42-0007	PEMBERTON & REDDING		DOSWELL	23047	VA
52-42-0013	THOMAS E STANLEY & SONS	RT 1 BOX 551	ASHLAND	23005	VA
52-43-0018	OWN-LEE HOLSTEINS	5906 BRANDY LANE	RICHMOND	23231	VA
52-43-0013	CURLES NECK FARM INC	RT 5	RICHMOND	23231	VA

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	. . . . ADDRESS STREET OR ROUTE	OF OWNER . . . . TOWN	ZIP-CODE	STATE
52-47-0006	C M CHANDLER	RFD 4	WILLIAMSBURG	23185	VA
52-50-0006	G D & W G TOWNSEND		MANQUIN	23106	VA
52-53-0005	RONALD A HOPE & SON		PURCELLVILLE	22132	VA
52-53-0050	REARDON BROS & ORWP FRAZ		HAMILTON	22068	VA
52-53-0053	WILLIAM L LOWRY		LOVETTSVILLE	22080	VA
52-53-0059	HOWARD D SPRAGUE	CHESTNUT KNOLL F	PURCELLVILLE	22132	VA
52-53-0067	JOHN D ARCHBOLD		UPPERVILLE	22176	VA
52-53-0091	E I ELDREDGE	TIRVELDA FARMS	THE PLAINS	22171	VA
52-53-0122	R P JAMES		PURCELLVILLE	22132	VA
52-53-0126	ROBERT K REID		PURCELLVILLE	22132	VA
52-53-0128	EDWIN C POTTS	RT 1	PURCELLVILLE	22132	VA
52-53-0142	WM H COCKERILL		PURCELLVILLE	22132	VA
52-53-0147	CHARLES B GRAY		ROUND HILL	22141	VA
52-53-0163	JERRY MICHAEL		ARLINGTON	22201	VA
52-53-0185	DIGGS VALLEY FARM		HAMILTON	22068	VA
52-53-0191	S I GRANGER		PURCELLVILLE	22132	VA
52-53-0200	WM H HARRISON & DONALD E	RFD 2	LEESBURG	22075	VA
52-53-0205	C D SPERRY	ROUTE 2	HARPERS FERRY	25425	WV
52-53-0208	EDWARD R BROWN		PURCELLVILLE	22132	VA
52-53-0209	FLOYD EVERHART	RFD # 2	HARPERS FERRY	25425	WV
52-53-0212	CHARLES A HASKINS		BLUEMONT	22012	VA
52-54-0002	R J FISHER	RT 1 BOX 133	GORDONSVILLE	22942	VA
52-54-0011	D J NORTON	ROUTE 1	GORDONSVILLE	22942	VA
52-56-0013	ROSNI FARMS INC		ORANGE	22960	VA
52-56-0015	THOMAS WEAVER & BROS		RADIANT	22732	VA
52-56-0022	J T WILLIAMSON		BRIGHTWOOD	22715	VA
52-56-0023	E V MILLER JR & M OVERHO	RFD 1 BOX 180	ORANGE	22960	VA
52-56-0034	HARRY R JOHNSTON	RIVERSIDE FARM	LUCUST DALE	22948	VA
52-56-0040	HENRY L LANDIS		LOCUST DALE	22948	VA
52-56-0044	WARREN R FALK		PRATTS	22731	VA
52-56-5029	MRS JANE L HEYWARD		ROCHELLE	22738	VA
52-56-5037	DAVID NEAL & GARY JONES		AROOA	22709	VA
52-56-5042	DOUGLAS W FORREST	ANCHOR MERE	ROCHELLE	22738	VA
52-58-0003	PARK FOREST FARM		BASKERVILLE	23915	VA
52-59-0001	E C ANDERSON	% ED SWAIN MGR	WAKE	23176	VA
52-60-0002	W R GREEAR		RINER	24149	VA
52-60-0005	TEEL & WILLARD		CHRISTIANBURG	24073	VA
52-60-0010	DALE D TEEL		CHRISTIANBURG	24073	VA
52-60-5014	VIRGINIA POLYTECANIC INS		BLACKSBURG	24060	VA
52-60-5021	VPI DIVISION OF RESEARCH	SELECTION	BLACKSBURG	24060	VA
52-60-5036	V P I DIVISION OF RESEAR		BLACKSBURG	24060	VA
52-61-0007	RICHARD M WILLIAMS & SON	BOX 839	SUFFOLK	23434	VA
52-61-5003	ROUNTREE DAIRY INC		SUFFOLK	23434	VA
52-64-0015	BERGEYS DAIRY FARM	2221 MT PLEASNT RD	CHESAPEAKE	23320	VA
52-64-0023	MENNO J YODER	PROMISE RD	CHESAPEAKE	23320	VA
52-64-0025	C S KURTZ		CHESAPEAKE	23320	VA
52-67-0004	J W & J F HAMELTON		BURKEVILLE	23922	VA
52-67-0007	WILLIE B IRBY		BLACKSTONE	23824	VA
52-67-0011	E L STABLES	ROUTE 2	CREW	23930	VA
52-67-0029	M B FARRAR		BURKEVILLE	23922	VA
52-67-0036	OWN- LEE FARMS	ROUTE 1	CREWE	23939	VA
52-68-0010	HAMPSTEAD FARM INC		SOMERSET	22972	VA
52-68-0020	WYATT A WILLIAMS		ORANGE	22960	VA
52-68-0033	VERNON R JONES	ROUTE 2	ORANGE	22960	VA
52-68-5007	R F HILL JR & SON		ORANGE	22960	VA
52-70-0018	ESMOND HALL		MEADOWS OF DAN	24120	VA
52-70-5003	IVAN W BYERS	RT 5 BOX 268	STUART	24171	VA
52-71-0007	NORMAN NEAL & NORMAN	ROUTE 1	CHATHAM	24531	VA
52-71-0008	BILLY NUCKOLS	ROUTE 4	CHATHAM	24531	VA
52-72-0012	POLAND FARM		POWHATAN	23139	VA
52-72-0022	RR & JG COSBY		POWHATAN	23139	VA
52-72-0028	ROBERT HERTZLER	ROUTE 4	POWHATAN	23139	VA
52-73-0004	W L DICKENSON		CULLEN	23934	VA
52-75-0027	CLOVER HILL FARM		MANASSAS	22110	VA
52-75-0040	HARRY M MILLER & SON		NOKESVILLE	22123	VA
52-76-0003	BAYVILLE FARMS INC	PO BOX 5506	VA BEACH	23455	VA
52-77-0011	L B TRIGG		RADFORD	24141	VA
52-77-0018	CLARENCE H HANKS	P O BOX 186	DUBLIN	24084	VA
52-80-0027	EARL & CLAUDE SIRRY		CATAWBA	24070	VA
52-81-0012	F R WHIPPLE & SON		BROWNSBURG	24415	VA
52-81-0013	MRS T R BEARD & SON	MEADOWVIEW FARM	RAPHINE	24472	VA
52-82-0002	DAN J BEARD		HARRISONBURG	22801	VA
52-82-0003	SHEN-ROCK HOLSTEIN	ROUTE 1	MCGATHEYSVILLE	22840	VA
52-82-0010	WAMPLER & GARDNER	ROUTE 2	BRIDGEWATER	22812	VA
52-82-0012	JOHN NEWTON & MS LISKEY	ROUTE 5	HARRISONBURG	22801	VA
52-82-0014	DANIEL J MYERS	ROUTE 5	HARRISONBURG	22801	VA
52-82-0020	WENGER & WENGER		LINVILLE	22834	VA
52-82-0026	DAN BRUBAKER & WAYNE WAM	ROUTE 1 BOX 244	DAYTON	22821	VA
52-82-0040	MERLIN D HARMAN	ROUTE 4	HARRISONBURG	22801	VA
52-82-0041	SHUMO BROTHERS		KEEZLETOWN	22832	VA
52-82-0057	FUNKHOUSER & BURNER	CHARLES L BURNER	MCGAHEYSVILLE	22840	VA
52-82-0064	ELDON L SHANK	ROUTE 1	MT CRAWFORD	22841	VA
52-82-0080	SHIRLEY F SMITH	ROUTE 1	WEYERS CAVE	24486	VA
52-82-0081	C H MUNDY & SON		MCGAHEYSVILLE	22840	VA
52-82-0088	PAUL J SIMMERS & SON		DAYTON	22821	VA

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	. . . . A D D R E S S O F O W N E R . . . . STREET OR ROUTE	TOWN	ZIP-CODE	STATE
52-82-0092	CROWE BROS	RT 1	KEEZELTOWN	22832	VA
52-82-0101	RAWLEY SHANK		HARRISONBURG	22801	VA
52-82-0105	W G BLOSE		PENN LAIRD	22846	VA
52-82-0115	HAROLD D MILLER & SONS	ROUTE 1	DAYTON	22821	VA
52-82-0135	W L SHIREY		PENN LAIRD	22846	VA
52-82-0136	EL CARDALE FARM	BOX 154 ROUTE 1	ELKTON	22827	VA
52-82-0141	SIDNEY A SCHAEFER	ROUTE 1 BOX 367	LINVILLE	22834	VA
52-82-0148	JOACHIM H KRUEGER	ROUTE 1 BOX 23	LINVILLE	22834	VA
52-82-0153	R L KOONTZ & SON		HARRISONBURG	22801	VA
52-83-0006	CAMPBELL FARMS		LEBANON	24266	VA
52-85-0007	WILLIAM H LOGAN		WOODSTOCK	22664	VA
52-85-0021	LONNIE EATON & SONS	ROUTE 1 BOX 205	NEW MARKET	22844	VA
52-85-0033	J A KINCAID		MT JACKSON	22842	VA
52-85-0037	CHARLES H STREET 111	EDGEHILL FARM	QUICKSBURG	22847	VA
52-86-0009	RICHARDSON BROTHERS	RT 3	MARION	24354	VA
52-87-0007	DEERPATH FARM		FRANKLIN	23851	VA
52-87-0008	W L YOUNG		FRANKLIN	23851	VA
52-88-0003	HARRIS BROTHERS	RT 1 BOX 97	MINERAL	23117	VA
52-88-0013	T E & ALLAN THORBURN	BX 200	FREDERICKSBURG	22401	VA
52-88-0014	J S GOODWIN JR		ORANGE	22960	VA
52-88-0033	LYONS FARM		SPOTTSYLVANIA	22553	VA
52-88-0035	JOHN D PECK & SON		SPOTTSYLVANIA	22553	VA
52-92-0001	LEATHERWOOD FARM	COLLEGE DR RT 2	BLUEFIELD	24605	VA
52-95-0007	KENNETH D DENTON	ROUTE 4	ABINGDON	24210	VA
52-95-0058	JAMES J MILLARD		MENDOTA	24270	VA
52-97-0003	CLINCH HAVEN FARMS INC	ROUTE 1	BIG STONE GAP	24219	VA
52-98-0003	L JOE CROWGEY JR	RTE 1 BOX 58	WYTHEVILLE	24382	VA
52-98-0018	VAU DELL FARMS	ROUTE 2	RURAL RETREAT	24368	VA
52-98-0026	CHARLES A STEFFEY	RT 1	RURAL RETREAT	24368	VA
52-98-0030	CLYDE H WATSON JR		MAX MEADOWS	24360	VA
54-02-0029	BUTLER, ROBERT S.	ROUTE 3	MARTINSBURG	25401	WV
54-02-0033	MCCORMICK, EARL H.	R F D 4	MARTINSBURG	25401	WV
54-02-0054	HORST, IRVIN	POTOMAC RIVSDE FM	HEDGESVILLE	25427	WV
54-10-0002	JONES, HERBERT E. SR.	ATT A PACE LUNDALE	OAK HILL	25901	WV
54-13-0005	WILSON, VIRGIL & BOB HD	HOMELAND FM R-2 BX	RONCEVERTE	24970	WV
54-13-0008	DON-LIN JERSEY FARM	BOX 848	LEWISBURG	24901	WV
54-13-0018	KNIGHT, E. D. JR.	TUSCAWILLA FARM	LEWISBURG	24901	WV
54-13-0020	LEGG, KERWAN	SKY ACRES FARM	FRANKFORD	24938	WV
54-13-0024	MONTGOMERY, GUY B. ESTAT	MORNING SIDE FARM	RONCEVERTE	24970	WV
54-13-0026	PERKINS, MASON & SONS		FRANKFORD	24938	WV
54-13-0060	MOUNTAIRE FARM INC.	ATT: W.C. HAZLEBEC	WILLIAMSBURG	24991	WV
54-13-0064	BROWN, BYRL B.	GRANDVIEW FARM	FRANKFORD	24938	WV
54-17-0002	ALLMAN, DAVID L.	RD2 BOX 158 HARCOF	JANE LEW	26378	WV
54-17-0014	LAW, Z. W.		BRIDGEPORT	26330	WV
54-17-0016	MAXWELL, J. B.	RFD 1	CLARKSBURG	26301	WV
54-17-0018	NAY, PAUL	ROUTE 2	JANE LEW	26378	WV
54-17-0019	RAPKING, MORRELL	RFD 1	LOST CREEK	26385	WV
54-17-0040	ROSS, ROBERT J.	ROUTE 1	LUMBERPORT	26386	WV
54-19-0003	BANE, ROGER Z.	R F D	SUMMIT POINT	25446	WV
54-19-0034	ADAMS BROTHERS		RIPPON	25441	WV
54-19-0041	BENNER, H. C.	ROUTE 1, BOX 264	KEARNEYSVILLE	25430	WV
54-19-0042	DONLEY, SAMUEL J., JR.	R F D	SHEPHERDSTOWN	25443	WV
54-19-0069	DRILAKE FARM	R F D 2 BOX 113	CHARLESTOWN	25414	WV
54-19-0078	KABLE, HARRY M.		CHARLES TOWN	25414	WV
54-19-0080	SWARTZ, RICHARD & NANCY	ROUTE 1, BOX 37	KEARNEYSVILLE	25430	WV
54-21-0027	CRONIN, RICHARD J.	RFD 1	JANE LEW	26378	WV
54-26-0012	YANAK, LOUIS	R D 3 BOX 199	WHEELING	26003	WV
54-26-0014	CHAPLIN, MERLE	ROUTE 2	MOUNDSVILLE	26041	WV
54-26-0080	MAIDENS BROTHERS FARM	RD2 ATT R MAIDENS	MOUNDSVILLE	26041	WV
54-26-0088	MCCOMBS FARM, IVAN & JOH	R D 3	WHEELING	26003	WV
54-27-0002	ROOD, GERALD AND SON	ROUTE 2	LETART	25253	WV
54-27-0023	WEAVER, H. MARCUS	ROUTE 2	LETART	25253	WV
54-27-0029	LAKIN STATE HOSPITAL FAR		LAKIN	25250	WV
54-27-0030	OLDTOWN FARM INC. 1	ROUTE 1 BOX 79	POINT PLEASANT	25550	WV
54-27-0045	SOMMER, G. C.	ROUTE 1	SOUTHSIDE	25187	WV
54-27-0049	COTTRILL, C. L. JR.	ROUTE 1	WEST COLUMBIA	25287	WV
54-27-0063	OLDTOWN FARM INC. 2	ROUTE 1 BOX 79	POINT PLEASANT	25550	WV
54-31-0016	REYMANN MEMORIAL AYRSHIR	W VA UNIV DAIRY DE	MORGANTOWN	26500	WV
54-31-0024	WEST VIRGINIA UNIVERSITY	DAIRY DEPT	MORGANTOWN	26500	WV
54-32-0001	ROWAN MEMORIAL HOME		SWEET SPRINGS	24980	WV
54-32-0014	CAMPBELL, C D & VA C	R F D 2	SINKS GROVE	24976	WV
54-32-0015	LAREW, J. W.	HANS CREEK ROAD	GREENVILLE	24945	WV
54-32-0018	ASH, ROBERT LEE		UNION	24983	WV
54-32-0025	LONG, BOBBY L.	HANS CREEK ROAD	GREENVILLE	24945	WV
54-35-0019	MILLER, HENRY J. & SON	LEE ANN DAIRY RT 1	WHEELING	26001	WV
54-35-0048	SAVAGE, THOMAS L.	R D 2	WEST ALEXANDER	15376	PA
54-39-0021	STEMPL, FRED AND DAVID		AURORA	26705	WV
54-39-0041	GIBSON, JOHN C.	ROUTE 1	TERRA ALTA	26764	WV
54-42-0010	JOHNSON, DEAN	R F D 1	ELKINS	26241	WV
54-42-0014	DAN BRO FARM	ROUTE 1	ELKINS	26241	WV
54-45-0001	HALSTEAD, W. E.	ROUTE 3 BOX 154	PENCE SPRINGS	24962	WV
54-46-0001	AUSTIN, NEIL D.	R D 1	GRAFTON	26354	WV
54-49-0015	PHILLIPS, BURTON R.	ROUTE 2	BUCKHANNON	26201	WV
54-49-0025	MARPLE, MONZELL D.	ROUTE 1	BUCKHANNON	26201	WV
55-00-0013	TERRELL L LAMB	ROUTE 2	GRAHAM	27253	NC

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	. . . . A D D R E S S O F O W N E R . . . . STREET OR ROUTE	TOWN	ZIP-CODE	STATE
55-00-0014	DAVID NEWLIN	ROUTE 2	GRAHAM	27253	NC
55-00-0017	HOLIDAYS DAIRY FARM	ROUTE 1	SNOW CAMP	27349	NC
55-00-0036	JONES BROTHERS DAIRY	ROUTE 2	PITTSBORO	27312	NC
55-00-0042	LAZY MEADOWS FARM		GRAHAM	25263	NC
55-02-0026	WESLEY C ANDERS		ENNICE	28623	NC
55-02-0038	REID & NOLAN HAMPTON		SPARTA	28675	NC
55-10-0019	ELIADA HOMES INC	BOX 6337	ASHVILLE	28806	NC
55-10-0043	FORD FARMS	BOX 1813	WEST ASHEVILLE	28806	NC
55-10-0054	DAVID SNELSON		ASHEVILLE	28806	NC
55-10-0060	B J SHELTON	ROUTE 1	ALEXANDER	28701	NC
55-10-6004	BILTMORE FARMS		BILTMORE	28803	NC
55-10-6007	BILTMORE FARMS		BILTMORE	28803	NC
55-10-6009	BILTMORE FARMS		BILTMORE	28803	NC
55-11-0006	BROUGHTON HOSPITAL		MORGANTON	28655	NC
55-13-0028	BUTTKE FARMS INC	BOX 128	GRANITE FALLS	28630	NC
55-16-0024	W A SLAUGHTER	ROUTE 1 BOX 105	BLANCH	27212	NC
55-17-0021	A H BRADSHAW		HICKORY	28601	NC
55-18-0001	FRANK A LINDLEY	ROUTE 1	SNOW CAMP	27349	NC
55-18-0006	LUTTERLOH & WILLIAMS		PITTSBORO	27312	NC
55-18-0027	GRADY BRAXTON	ROUTE 2	PITTSBORO	27312	NC
55-18-0034	JAMES A LINDLEY	ROUTE 2 BOX 118	PITTSBORO	27312	NC
55-18-0051	ARTHUR WHITE		SILER CITY	27344	NC
55-19-0004	J C CAMPBELL FOLK SCH		BRASSTOWN	28902	NC
55-21-0014	MORRIS SCROGGS		HAYESVILLE	28904	NC
55-22-0002	J C RANDLE AND SONS	ROUTE 2	KINGS MOUNTAIN	28086	NC
55-22-0004	GEORGE BLANTON JR	ROUTE 4	SHELBY	28150	NC
55-22-0014	CHARLES A BRIDGES		SHELBY	28150	NC
55-22-0015	J F CORNWELL	BOX 157	LATTIMORE	28089	NC
55-22-0035	PAUL GRIGG		LAWNDALE	28090	NC
55-22-0043	WILBUR CABINESS		SHELBY	28150	NC
55-23-0003	BLAKE BROTHERS		CHADBOURN	28431	NC
55-28-0002	HILLYN FARM H L HILL	ROUTE 8	LEXINGTON	27292	NC
55-28-0010	C E GRAHAM	ROUTE 1	LINWOOD	27299	NC
55-28-0023	D CLARENCE SINK	MOO-CHIC FARM	LEXINGTON	27292	NC
55-28-0025	D R SMITH		LEXINGTON	27292	NC
55-28-0026	SAM Z TUSSEY AND SONS		LEXINGTON	27292	NC
55-28-0027	M R HARRIS JR		THOMASVILLE	27360	NC
55-28-0032	WAYNE NIFONG	ROUTE 4	WINSTON SALEM	27107	NC
55-28-0033	T J AND ROY ARNOLD		LEXINGTON	27292	NC
55-28-0035	G J WARD DAIRY	ROUTE 2	LEXINGTON	27292	NC
55-29-0009	FRED F BAHNSON JR	SALEM STATION	WINSTON SALEM	27108	NC
55-29-0043	ROGER GABBERT		COOLEEMEE	27014	NC
55-29-0049	CEDAR CREEK DAIRY FARM	% DALE UTTER	MOCKSVILLE	27028	NC
55-31-0003	CROASDAILE DAIRY		DURHAM	27705	NC
55-31-0010	QUAIL ROOST FARMS		ROUGEMONT	27572	NC
55-33-0025	J H TEDDER	BROOK ACRE FARM	LEWISVILLE	27023	NC
55-33-0034	O T FOWLER	GRAND VIEW FARM	PFAFFTOWN	27040	NC
55-33-0037	RALPH REICH & SON		WINSTON SALEM	27107	NC
55-35-0036	CAMPBELL WELLS		CLOVER	29710	SC
55-35-0046	PAUL H ROBINSON	ROUTE 1	BESSEMER CITY	28016	NC
55-35-0049	TONY STROUPE	ROUTE 2	BESSEMER CITY	28016	NC
55-35-0051	CARROLL DAIRY	ROUTE 2	CHERRYVILLE	28021	NC
55-38-0003	OXFORD ORPHANAGE		OXFORD	27565	NC
55-38-0020	W L PEED		CREEDMOOR	27522	NC
55-38-0034	J W UMSTEAD HOSPITAL		BUTNER	27509	NC
55-38-0037	FRED H STEM	ROUTE 2	OXFORD	27565	NC
55-40-0019	HILLTOP LANE FARM	ROUTE 1	MCLEANSVILLE	27301	NC
55-40-0021	RALPH CUMMINGS		GUILFORD COLLEG	27410	NC
55-40-0027	S E THACKER & SON		WHITSETT	27377	NC
55-40-0038	BOWMAN BROS DAIRY	ROUTE 1	JULIAN	27283	NC
55-40-0045	MARIKEN FARMS #1	3302 LIBERTY RD	GREENSBORO	27406	NC
55-40-0051	KECKS DAIRY INC	ROUTE 1	JULIAN	27283	NC
55-40-0052	C M IVEY	ROUTE BOX 410	GIBSONVILLE	27249	NC
55-40-0062	HOWARD JOBE	ROUTE 4 BOX 982	GREENSBORO	27406	NC
55-40-0082	J R ANDERSON	ROUTE 1	KERNSVILLE	27284	NC
55-40-6029	TALMAGE BREWER	EAST MARKET ST	GREENSBORO	27411	NC
55-42-0003	JOHNSON BROS DAIRY	ROUTE 1	LILLINGTON	27546	NC
55-42-0005	HI- LO FARM	ROUTE 1	FUQUAY	27526	NC
55-43-0007	G C PALMER JR	ROUTE 3	CLYDE	28721	NC
55-43-0008	W RILEY PALMER	154 ARTHUR	ASHEVILLE	28805	NC
55-44-0026	PRYOR BROTHERS DAIRY	ROUTE 2	HENDERSONVILLE	28739	NC
55-44-0037	SPRING HILL FARM		HORSE SHOE	28742	NC
55-44-0062	SILVERLANE FARMS INC	ROUTE 2	FLETCHER	28732	NC
55-44-0067	O G RAMSEY & SON	ROUTE 4 BOX 181	HENDERSONVILLE	28739	NC
55-48-0042	R F COWLES		STATESVILLE	28677	NC
55-48-0054	OLDMT FARMS	ROUTE 5 BOX 118A	STATESVILLE	[illegible]	NC
55-53-0009	CASWELL CENTER		KINSTON	[illegible]	NC
55-53-0017	BAPT CHILDRENS HOME	ROUTE 2	KINSTON	[illegible]	NC
55-54-0033	HOYLE FARMS	BOX 177 ROUTE 1	VALE	[illegible]	NC
55-54-0037	WARLICK BROS		VALE	[illegible]	NC
55-55-0010	AARON HEDDEN	ROUTE 1	FRANKLIN	28734	NC
55-57-0009	L T PONDER & SON	ROUTE 1	MARSHALL	28753	NC
55-59-0014	ERNEST COOK		HUNTERSVILLE	28078	NC
55-59-0015	HARVEY B HUNTER	R F D 3	CHARLOTTE	[illegible]	NC
55-59-0019	J B STROUP		CHARLOTTE	28213	NC

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP-CODE	STATE
		. . . . A D D R E S S	O F O W N E R		
55-59-0040	J U DAVIS	ROUTE 7 BOX 648	CHARLOTTE	28213	NC
55-61-0009	JARRETT A THOMPSON	ROUTE 2 BOX 54	MT GILEAD	27306	NC
55-61-0010	BOBBY RAY ATKINS		TROY	27371	NC
55-61-0015	FRANK & ANNA OTT	BOX 250	STAR	27356	NC
55-63-0001	C S BUNN AND SONS		SPRING HOPE	27882	NC
55-67-0001	GUERNSDEL FARM	ROUTE 2	CHAPEL HILL	27514	NC
55-67-0003	LEMOLA FARMS INC	ROUTE 4	CHAPEL HILL	27514	NC
55-67-0005	CATES BROS		HILLSBOROUGH	27278	NC
55-67-0010	DR J W BEARD		HILLSBOROUGH	27278	NC
55-67-0014	TEER FARMS INC		CHAPEL HILL	27514	NC
55-67-0015	ARROWHEAD FARM		HILLSBOROUGH	27278	NC
55-67-0016	W G CARUTHERS JR	ROUTE 2	HILLSBOROUGH	27278	NC
55-67-0018	WILLIAM C DORSETT		EFLAND	27243	NC
55-67-0027	SNIPES BROS		HILLSBOROUGH	27278	NC
55-67-0028	BEN LLOYD		EFLAND	27243	NC
55-67-0031	SHELTON L RAY		CHAPEL HILL	27514	NC
55-67-0035	KIRK BROTHERS	ROUTE 3	HILLSBOROUGH	27278	NC
55-67-0038	LASLEY BROTHERS		MEBANE	27302	NC
55-67-0054	MELVIN WHITFIELD	ROUTE 1	CHAPEL HILL	27514	NC
55-67-0060	C C ATWATER & SONS	ROUTE 1	CHAPEL HILL	27514	NC
55-67-0068	MAPLE VIEW FARM	ROUTE 3	HILLSBOROUGH	27278	NC
55-67-0084	CARL WALTERS	ROUTE 1	EFLAND	27243	NC
55-74-0007	W M WATSON	ROUTE 1	TRYON	28782	NC
55-74-0009	GILBERT SMOTHERS	ROUTE 1	LANDRUM	29356	SC
55-75-0014	B E & R S DAVIS	ROUTE 1	RANDLEMAN	27317	NC
55-75-0027	R L FARLOW & SON	414 ALDRIDGE RD	HIGH POINT	27660	NC
55-75-0030	MEREDELL FARM	ROUTE 1	LIBERTY	27298	NC
55-75-0053	WINDY HILL FARM		RANDLEMAN	27317	NC
55-75-0072	EDWIN BEESON		SOPHIA	27317	NC
55-78-0021	J E & R E WALKER	ROUTE 2	REIDSVILLE	27320	NC
55-78-0023	ROY SOUTHARD & SONS		STOKESDALE	27357	NC
55-79-0006	WARREN E MYERS	RFD 1 BOX 32	CLEVELAND	27013	NC
55-79-0013	REID HAMPTON	RT 1 BOX 26	ROCKWELL	28138	NC
55-79-0014	PIEDMONT RESEARCH STA		SALISBURY	28144	NC
55-79-0017	ED GREBLE	RFD 1	RICHFIELD	28137	NC
55-79-0020	GEORGE L HOFFNER		MT ULLA	28125	NC
55-79-0029	JUSTICE J WILLIAMS		CLEVELAND	27013	NC
55-79-0060	MR & MRS B N FLEMING		CLEVELAND	27013	NC
55-79-0062	SILLIMAN'S DAIRY		CHINA GROVE	28023	NC
55-79-0072	BEN & TED LUTHER	ROUTE 1 BOX 225	MT ULLA	28125	NC
55-79-0076	JAMES W GUY		MT ULLA	28125	NC
55-80-0001	JACK G KRAUSE	FLINT WOOD FARMS	UNION MILLS	28167	NC
55-83-0017	BURLESON BROS DAIRY		ALBEMARLE	28001	NC
55-83-0021	ROBERT E LOWDER & SON DA	ROUTE 1	NORWOOD	28128	NC
55-83-6035	J T MABRY & SON		NORWOOD	28128	NC
55-85-0006	DAVIS LAWRENCE		DOBSON	27017	NC
55-89-0004	MELVIN L DUTEN	ROUTE 9	MONROE	28110	NC
55-89-0041	BRASWELLS DAIRY	ROUTE 3	MONROE	28110	NC
55-91-0005	J R NIPPER AND SONS		RALEIGH	27609	NC
55-91-0010	DOROTHEA DIX HOSPITAL	ATTN FARM MANAGER	RALEIGH	27602	NC
55-91-0015	FINCREST DAIRY	ROUTE 10 BOX 460	RALEIGH	27603	NC
55-91-0017	FRANKS & WOMBLE	ROUTE 1	APEX	27502	NC
55-91-0020	ROY E JONES AND SONS	ROUTE 3	WAKE FOREST	27587	NC
55-91-0046	RANDLEIGH FOUNDATION	232 POLK HALL	RALEIGH	27607	NC
55-91-0047	EARL H BREVOORT	ROUTE 3	WAKE FOREST	27587	NC
55-91-6003	N C STATE UNIVERSITY	N C STATE UNIV	RALEIGH	27607	NC
55-91-6004	N C STATE UNIVERSITY	226 POLK HALL	RALEIGH	27607	NC
55-91-6006	KILDAIRE FARM	ROUTE 1 BOX 700	CARY	27511	NC
55-91-6048	KILDAIRE FARM	ROUTE 1 BOX 700	CARY	27511	NC
55-95-0006	CHERRY HOSPITAL		GOLDSBORO	27530	NC
55-97-0001	FRED M EAGLES	RD #3 BOX 335	WILSON	27893	NC
56-02-0005	S E HAMLET	BOX 249	NORTH AGUSTA	29841	SC
56-04-0008	HENRY S GLENN	RFD 7	ANDERSON	29621	SC
56-04-0014	HARRY R MURBAUGH		LIBERTY	29657	SC
56-04-0029	THOMAS LEE MARTIN	ROUTE 1 BOX 183A	LIBERTY	29657	SC
56-04-0038	C C ELROD	ROUTE 8	GREENVILLE	29611	SC
56-05-0006	A E HUGGINS AND SONS		DENMARK	29042	SC
56-05-0010	EDISTO FARMS		DENMARK	29042	SC
56-05-0011	EDISTO FARMS		DENMARK	29042	SC
56-06-0004	A P BLACK	P O BOX 164	BARNWELL	29812	SC
56-15-0006	CHEROKEE FARMS-DAIRY DIV		WALTERBORO	29488	SC
56-16-0001	MILTON H ANDERSON JR		TIMMONSVILLE	29161	SC
56-16-0018	GREEN ACRE FARM INC	RT 4 BOX 343	DARLINGTON	29532	SC
56-18-0006	TUPPERWAY FARM	ROUTE 1 BOX 378	SUMMERVILLE	29483	SC
56-19-0010	W O HERLONG AND SON		JOHNSTON	29832	SC
56-21-0012	R H GODWIN AND SON		COWARD	29530	SC
56-23-0002	BLAKELY DAIRY FARM		PIEDMONT	29673	SC
56-23-0010	MAURICE B HENSON	ROUTE 2	GREER	29651	SC
56-24-0030	R L STEER		NINETY-SIX	29666	SC
56-25-0018	SEDOHR FARM		ESTILL	29918	SC
56-27-0012	GREGORIE NECK PLANT		COOSAWHATCHIE	29912	SC
56-30-0003	D E BROWN & FAMILY		LAURENS	29360	SC
56-30-0028	THORNWELL ORPHANAGE		CLINTON	29325	SC
56-30-0038	WHITTEN VILLAGE DAIRY		CLINTON	29325	SC
56-31-0004	ED B BASKIN	BOX 503	BISHOPVILLE	29010	SC

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	. . . . A D D R E S S O F O W N E R . . . . STREET OR ROUTE	TOWN	ZIP-CODE	STATE
56-31-0008	FRANK M FLOWERS JERSEY	RT 1 BOX 83	OSWEGO	29121	SC
56-31-0015	A L MCCASKILL JR		BISHOPVILLE	29010	SC
56-34-0020	J P HODGES		BENNETTSVILLE	29512	SC
56-34-0028	GORDON W NEWTON		TATUM	29594	SC
56-36-0001	HENRY ANDERSON	ROUTE 3	NEWBERRY	29108	SC
56-36-0009	JAMES L BRASWELL	ROUTE 3	NEWBERRY	29108	SC
56-36-0011	W D CROMER & SON		NEWBERRY	29108	SC
56-36-0012	BISHOP BROS	RT 3	NEWBERRY	29108	SC
56-36-0017	MYRTLEDALE FARM	ROUTE 4 BOX 1058	NEWBERRY	29108	SC
56-36-0023	HENRY L PARR	ROUTE 3	NEWBERRY	29108	SC
56-36-0024	W W PARR		NEWBERRY	29108	SC
56-36-0025	HAROLD L PITTS	RT 3	NEWBERRY	29108	SC
56-36-0026	SAND HILL FARM ATTN		SILVERSTREET	29145	SC
56-36-0028	A F BUSBY		NEWBERRY	29108	SC
56-36-0035	C M SATTERWHITE		NEWBERRY	29108	SC
56-36-0038	DAVID WALDROP		SILVERSTREET	29145	SC
56-36-0040	W CHARLES MCGINNIS		KINARDS	29355	SC
56-36-0046	HARRY E MAYER & SONS HOL	ROUTE 4	NEWBERRY	29108	SC
56-38-0003	H T CORBETT		SPRINGFIELD	29146	SC
56-38-0007	R E DAREN	ROUTE 3	ORANGEBURG	29115	SC
56-38-0008	LITTLE RIVER FARMS NO 1	ROUTE 1	NORWAY	29113	SC
56-38-0027	S W GRAMLING		BOWMAN	29018	SC
56-38-0036	T W GRAY		CORDOVA	29039	SC
56-38-0039	HEYWARD L SHULER	ROUTE 2	CAMERON	29030	SC
56-38-0056	COBURG DAIRY	ROUTE 2 BOX 108	COPE	29038	SC
56-38-0069	HAMPTON WHETSELL		BOWMAN	29018	SC
56-38-0072	WAYNOR FARMS		NORWAY	29113	SC
56-39-0020	CLEMSON UNIVERSITY HOL		CLEMSON	29631	SC
56-39-0021	CLEMSON UNIVERSITY JER		CLEMSON	29631	SC
56-40-0003	ALFRED F & JOHN W BURNSI		COLUMBIA	29209	SC
56-40-0015	EDWARD L HEATH	ROUTE 2	HOPKINS	29061	SC
56-40-0020	LAURINTON DAIRY FARM		HOPKINS	29061	SC
56-41-0005	GEORGE COLEMAN		SALUDA	29138	SC
56-41-0006	G MELLWOOD COLEMAN		SALUDA	29138	SC
56-41-0008	J P BUTLER		SALUDA	29138	SC
56-41-0012	R F HIPP	ROUTE 4	SALUDA	29138	SC
56-41-0015	GEORGE W FOWLER	ROUTE 1	SALUDA	29138	SC
56-41-0017	ROY LONG		SALUDA	29138	SC
56-41-0020	FRED T MILLS	ROUTE 1	SALUDA	29138	SC
56-41-0025	NICHOLS & LONGSHORE	ROUTE 1	SALUDA	29138	SC
56-41-0027	T C RANKIN		SALUDA	29138	SC
56-41-0028	FRAZIER RILEY	ROUTE 1	SALUDA	29138	SC
56-41-0041	R F HIPP - BROWN SWISS	ROUTE 4	SALUDA	29138	SC
56-41-0042	HARVEY GIBSON	ROUTE 1	SALUDA	29138	SC
56-42-0010	RONALD GASTON	ROUTE 3	WOODRUFF	29388	SC
56-42-0012	BEN GRAMLING	BOX 26	GRAMLING	29348	SC
56-42-0037	CROSS ARROWS FARM	ROUTE 1	ENOREE	29335	SC
56-43-0003	BENDALE FARM		SUMTER	29150	SC
56-43-0012	C J GULLEDGE		WEDGEFIELD	29168	SC
56-43-0015	T J KIRVEN & SONS		SUMTER	29150	SC
56-43-0026	S C DEPT OF CORRECTIONS		BOYKIN	29019	SC
56-46-0022	CLOVER SPRING FARM	ROUTE 3	CLOVER	29710	SC
56-46-0035	BOBBY K STURGIS	ROUTE 1 BOX 3	ROCK HILL	29730	SC
56-46-0040	R B PURSLEY & W C DAVIDS		ROCK HILL	29730	SC
57-02-0002	GEORGE B TATUM		NICHOLLS	31554	GA
57-04-0503	AUBREY CORP	ATTN W A NEEL	WHITE	30184	GA
57-05-0011	A JOE TIDWELL JR		LIZELLA	31052	GA
57-06-0015	B F NEWBERRY JR	BOX 240	LIZELLA	31052	GA
57-10-0014	H B BIGGERS	ROUTE 1	KEYSVILLE	30816	GA
57-10-0015	PINELAND DAIRY		WAYNESBORO	30830	GA
57-12-0511	REECE WALLACE		BOWDEN JUNCTION	30109	GA
57-16-0002	WILLIS L JONES		ATHENS	30601	GA
57-16-0004	MILTON C SOUTHWELL	ROUTE 1	ATHENS	30601	GA
57-16-0007	H E WOOD		WINTERVILLE	30683	GA
57-16-0008	UNIV OF GA DAIRY FARM		ATHENS	30601	GA
57-16-0009	UNIV OF GA DAIRY FM NO 1		ATHENS	30601	GA
57-21-0501	DR J H ARNOLD	BOX 393	NEWNAN	30263	GA
57-21-0513	PAT OTT	RT 3 BOX 332 A	NEWNAN	30263	GA
57-25-0014	R L MATHIS CERT DAIRY		DECATUR	[illegible]	GA
57-27-0001	TIDWELL FARMS INC	BOX 595	DOUGLASVILLE	30134	GA
57-31-0502	JAMES F DEAL DIRECTOR	DRAWER B BERRY COL	MT BERRY	30149	GA
57-35-0501	N W GA EXP STATION	P O BOX 410	CALHOUN	30701	GA
57-41-0007	J C CARTER		MCDONOUGH	30253	GA
57-41-0011	C M TURPIN		STOCKBRIDGE	30281	GA
57-41-0020	DON SELMAN	ROUTE 3	MCDONOUGH	30253	GA
57-41-0501	GEORGE E HATCHER		MACON	[illegible]	GA
57-43-0021	CLIFFORD M AIKEN		SHADY DALE	[illegible]	GA
57-53-0504	RUFUS L YODER		MONTEZUMA	31063	GA
57-53-0508	LLOYD SWARTZENTRUBER	RFD 1	MONTEZUMA	31063	GA
57-53-0512	FLOYD E YODER		MONTEZUMA	31063	GA
57-53-0513	WHITEHOUSE FARMS	ROUTE 2	MONTEZUMA	31063	GA
57-53-0515	ALVA E YODER		MONTEZUMA	31063	GA
57-53-0517	MELVIN L YODER	ROUTE 1	MONTEZUMA	31063	GA
57-53-0520	ENOS SWARTZENTRUBER		MONTEZUMA	31063	GA
57-53-0521	MARK D BRENNEMAN		MONTEZUMA	31063	GA

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	........ADDRESS OF OWNER........			
		STREET OR ROUTE	TOWN	ZIP-CODE	STATE
57-53-0525	CLAUDE E YODER		MONTEZUMA	31063	GA
57-53-0531	MENNO L YODER	RFD 1 BOX 85	MONTEZUMA	31063	GA
57-53-0535	RUFUS L YODER #2		MONTEZUMA	31063	GA
57-55-0001	HENRY J BARNES	ROUTE 1	GREENVILLE	30222	GA
57-56-0506	WESTHAVEN FARM	ROUTE 1 BOX 51	CAMILLA	31730	GA
57-57-0018	SELDOM REST FARM	RAYMOND BAGGARLY	CULLODEN	31016	GA
57-57-0026	JAMES E & MARION PACE	ROUTE 2	FORSYTH	31029	GA
57-59-0001	BENNETT & THOMAS	P O BOX 548	MADISON	30650	GA
57-59-0014	CALLAWAY & CABANISS		MADISON	30650	GA
57-59-0019	HOYT M HOWARD		NEWBORN	30262	GA
57-59-0022	DONALD E HILSMAN	ROUTE 2	MADISON	30650	GA
57-59-0030	J N LECKIE & SON		SHADYDALE	31085	GA
57-59-0032	GRADY MOON	ROUTE 3	GODFREY	30640	GA
57-61-0008	T M EWING	ROUTE 4 BOX 125	COVINGTON	30209	GA
57-64-0003	CLEARBRANCH FARM		FT VALLEY	31030	GA
57-64-0005	WAYNE STOFFELL	ROUTE 1	FT VALLEY	31030	GA
57-66-0016	JAMES I CASEY	ROUTE 3	CEDARTOWN	30125	GA
57-69-0502	GORDON DEAN		CONYERS	30207	GA
57-71-0003	BILL ST JOHN DAIRY FARM	BOX 92	ELLAVILLE	31806	GA
57-73-0022	R E CHAPMAN	ROUTE 1 BOX 507	GRIFFIN	30223	GA
57-74-0501	JEFF CO DAIRY	BOX 237	RICHLAND	31825	GA
57-80-0001	H P RUSSELL JR	ROUTE 1	BOSTON	31626	GA
57-81-0001	COASTAL PLAIN EXP STA		TIFTON	31794	GA
57-83-0504	CHARLES W HUNT		LAGRANGE	30240	GA
57-88-0001	BREEDLOVES DAIRY	ROUTE 3	MONROE	30655	GA
57-88-0034	JAMES L COOK	ROUTE	MONROE	30626	GA
58-01-0054	PAUL MERRITT	SHAMROCK DAIRY	GRACEVILLE	32440	FL
58-01-0055	HI HOPE FARM JASMERE GUE	ROUTE 2	GRACEVILLE	32440	FL
58-03-0001	DINSMORE DAIRY CO INC		JACKSONVILLE	32218	FL
58-03-0042	WIL WIN BETA UNIT	ORANGEDALE RT BX70	GREEN COVE SPRG	32043	FL
58-03-9030	UNIV FLA JERSEY UNIT	DAIRY SCIENCE DEPT	GAINESVILLE	32601	FL
58-04-0001	H H JACOBS	1035 N HILL AVE	DELAND	32720	FL
58-05-0004	T G LEE INC # 1	5705 BEARHEAD RD	ORLANDO	32809	FL
58-05-0005	LAY LAINE GUERNSEY FM	BOX 146	ASTATULA	32705	FL
58-05-0010	FAIRGLADES JERSEY DAIRY		GENEVA	32732	FL
58-05-0026	OAKLAWN DAIRY INC		SORRENTO	32776	FL
58-05-0028	T G LEE FARMS INC #2	5705 BEARHEAD ROAD	ORLANDO	32809	FL
58-05-0034	BLACKWELL JERSEY		ORLANDO	32809	FL
58-05-0037	OAKLAWN DAIRY INC # 2	RT 1 BOX 351	SORRENTO	32776	FL
58-06-0028	JOHN A PEACHEY		SARASOTA	33580	FL
58-07-0005	WALTER SCHMID		TALLEVAST	33588	FL
58-08-0005	PENNWOOD FARMS INC		PALM CITY	33490	FL
58-08-0041	PENNWOOD FARMS INC		PALM CITY	33490	FL
58-08-0045	WOLFF BROS DAIRY	ROUTE 3 BOX 170	OKEECHOBEE	33472	FL
58-08-0061	ROBERT K BUTLER	BUTLERS DAIRY	OKEECHOBEE	33472	FL
58-09-0003	FREELAND FARMS INC HOL	RT 2 BOX 500	TALLAHASSEE	32301	FL
58-09-0022	BASSETTS DAIRY HOLSTEIN	P O BOX 188	MONTICELLO	32344	FL
58-09-0027	BASSETTS DAIRY BROWN SWI	P O BOX 188	MONTICELLO	32344	FL
58-49-0039	HI-ISLE DAIRY	RT 1 BOX 125	KISSIMMEE	32741	FL
61-01-0004	H G MCRAY ARROWHEAD FM		LAWRENCEBURG	40342	KY
61-02-0032	C E GIBSON	ROUTE 5	PARIS	40361	KY
61-02-0033	HOMER TURNER & SONS	ROUTE 5	LEXINGTON	40502	KY
61-03-0001	EASTERN KENTUCKY UNIVERS		RICHMOND	40475	KY
61-06-0002	MURRAY STATE COLLEGE		MURRAY	42071	KY
61-06-0004	BLALOCK AND WHITE	ROUTE 4	MURRAY	42071	KY
61-05-0009	WILL ED HENDON		MURRAY	42071	KY
61-06-0025	CHARLES B STARK	ROUTE 2	MURRAY	42071	KY
61-05-0029	PERRY HARRISON		MURRAY	42071	KY
61-05-0037	JIM STAHLER		MURRAY	42071	KY
61-06-0041	CARVES PASCHALL	ROUTE 2	HAZEL	42049	KY
61-07-0009	S A PORTER	CLYDE GOOD	SANDERS	41083	KY
61-08-0010	W G PAYNE		DANVILLE	40422	KY
61-08-0050	TATE AND SPOONAMORE	RFD 2	STANFORD	40484	KY
61-09-0016	W M KINDER & SON		MAYS LICK	41055	KY
61-09-0028	W B WORTHINGTON		MAYS LICK	41055	KY
61-09-0034	CHARLES ALLISON & SON		MAYSLICK	41055	KY
61-10-0002	HAROLD C HEDGER		SHERMAN	41084	KY
61-10-0043	AURTHA RAY GORDON & SON	ROUTE 1	CRITTENDEN	41030	KY
61-10-0045	JOE COLSON AND SONS		CORINTH	41010	KY
61-11-0003	R B JAGGERS & SON		GLENDALE	42740	KY
61-12-0006	A O DAVIS KY PENITENT		FRANKFORT	40601	KY
61-12-0007	A O DAVIS KY REFORMATORY	DEPT CORRECTION	FRANKFORT	40601	KY
61-13-0001	W C & F S BLANTON		HODGENVILLE	42748	KY
61-13-0007	RAYMOND MCDOWELL & SON	ROUTE 2	MAGNOLIA	42757	KY
61-13-0017	BARNEY HORNBACK	1110PAWNEE DRIVE	ELIZABETHTOWN	42701	KY
61-14-0015	WILKINS & ROBERSON		RT 1 OAKVILLE	42263	KY
61-14-0027	JAMES W DAVENPORT JR	ROUTE 2	ADAIRVILLE	42202	KY
61-14-0410	RAY NEELY		AUBURN	42206	KY
61-15-0010	W B BURDETTE & SON		LEBANON	40033	KY
61-15-0038	GENE LANHAM		GRAVEL-SWITCH	40328	KY
61-15-0042	ST MARYS COLLEGE		ST MARYS	40033	KY
61-18-0029	BRAINARD PALMER BALL		LOUISVILLE	40222	KY
61-18-0039	ORION BROADCASTING CO	ROUTE 1	PROSPECT	40059	KY
61-19-0001	JOHN A MOSER	BOX560	LOUISVILLE	40222	KY
61-19-0015	ERNEST L HARRIS	BOX 188	PROSPECT	40059	KY

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	ADDRESS OF OWNER: STREET OR ROUTE	TOWN	ZIP-CODE	STATE
61-19-0032	DONALD R RICE	RT 2 BOX 128	CRESTWOOD	40014	KY
61-19-0060	BROYLES BROS	RT 2 BOX 196	PROSPECT	40059	KY
61-20-0002	JESS WAINSCOTT		OWENTON	40359	KY
61-20-0018	JAMES SHARON & SON	ROUTE 1	BEECHWOOD	40359	KY
61-20-0023	R W JUETT	R F D 4	OWENTON	40359	KY
61-21-0024	JAMES A CHILES & SONS		FALMOUTH	41040	KY
61-23-0027	CHARLES E HOBBS & SONS	ROUTE 2	MAYFIELD	42079	KY
61-23-0030	HERMAN CUDE	RTE 2	HICKORY	42051	KY
61-24-0010	R D SHIPMAN		SHELBYVILLE	40065	KY
61-24-0020	J E NORRENBROCK		FINCHVILLE	40022	KY
61-24-0026	RAYMOND KERR & SON		SHELBYVILLE	40065	KY
61-24-0066	BRICE & LUCILLE BROWN		SMITHFIELD	40068	KY
61-24-0067	RALPH PEED		SHELBYVILLE	40065	KY
61-24-0074	ROBERT & DAVID CONNOR		FINCHVILLE	40022	KY
61-24-0078	JOHN E KALMEY	ROUTE 5	SHELBYVILLE	40065	KY
61-24-0129	JAMES COX		SHELBYVILLE	40065	KY
61-24-0130	WAYNE G MILLER		SHELBYVILLE	40065	KY
61-24-0138	RALPH SAGESER	RT 5	SHELBYVILLE	40065	KY
61-24-0144	ROBERT J EHRLER	ROUTE 5	SHELBYVILLE	40065	KY
61-24-0145	EUGENE W SANFORD	ROUTE 5	SHELBYVILLE	40065	KY
61-24-0149	CARL RAY PERRY	ROUTE 4	SHELBYVILLE	40065	KY
61-25-0003	DR L F BEASLEY		FRANKLIN	42134	KY
61-25-0005	J D AND B B SNIDER	ROUTE 3	FRANKLIN	42134	KY
61-25-0006	RAY CUMMINGS		FRANKLIN	42134	KY
61-25-0010	KENNETH GARRETT		MITCHELVILLE	37119	TN
61-25-0011	A AND H FARM	ROUTE 4	FRANKLIN	42134	KY
61-25-0042	LYNN & MARVIN CAUDILL	ROUTE 4	FRANKLIN	42134	KY
61-26-0022	W H & H A HARDIN	ROUTE 1	TAYLORSVILLE	40071	KY
61-27-0021	WALTER AND LEWIS WAGONER	ROUTE 1	CAMPBELLSVILLE	42718	KY
61-27-0027	CHARLES A SHIVE	ROUTE 4	CAMPBELLSVILLE	42718	KY
61-27-0028	HENRY LEE COLVIN & SON	ROUTE 3	CAMPBELLSVILLE	42718	KY
61-28-0003	WESTERN KENTUCKY UNIT	NASHVILLE ROAD	BOWLING GREEN	42101	KY
61-28-0041	BORDERS FARM	ROUTE 3	BOWLING GREEN	42101	KY
61-28-0046	ROBERT E CHURCH & SON		WOODBURN	42170	KY
61-28-0051	LARRY MUTTER	ROUTE 4	BOWLING GREEN	42101	KY
61-29-0039	WILLIE & BILLY RUSSELL		SPRINGFIELD	40069	KY
61-29-0040	LOUIS MUDD		SPRINGFIELD	40069	KY
61-30-0003	WILLIAM KUEGEL	ROUTE 3	OWENSBORO	42301	KY
61-30-0004	CLAUDE NEWMAN	ROUTE 1	PHILPOT	42366	KY
61-30-0005	WILLIAM MARKSBERRY	ROUTE 1	PHILPOT	42366	KY
61-30-0006	R M & ROBERT S STUART	ROUTE 1	OWENSBORO	42301	KY
61-30-0008	JOHN KUEGEL	ROUTE 5	OWENSBORO	42301	KY
61-30-0014	EVANS M TRUITT	ROUTE 7	OWENSBORO	42301	KY
61-30-0023	LUCKETTS DAIRY	RT 2	UTICA	42376	KY
61-30-0026	MARION SPARKS	ROUTE 2	OWENSBORO	42301	KY
61-30-0030	LEO JONES	ROUTE 1	OWENSBORO	42301	KY
61-30-0032	JOSEPH W ALLEN		SEBREE	42455	KY
61-31-0001	H H BARLOW JR		CAVE CITY	42127	KY
61-31-0057	WM S TERRY III	ROUTE 1	CAVE CITY	42127	KY
61-33-0012	GROVER GILPIN		COLUMBIA	42728	KY
61-33-0021	JAMES KELTNER	ROUTE 1	COLUMBIA	42728	KY
61-34-0002	WAYLAND M WATKINS		EMINENCE	40019	KY
61-34-0013	WILSON & HASFURDER	RT 1	EMINENCE	40019	KY
61-34-0027	GEO JONISCHKIES		SULPHUR	40070	KY
61-34-0044	FRANK MCKEE & MCKEELAND	RT 2	EMINENCE	40019	KY
61-34-0057	WILLIS BARMORE & SON	BATES LANE	SMITHFIELD	40068	KY
61-38-0001	THURMAN PHARIS	ROUTE 3	CLINTON	42031	KY
61-38-0008	BOBBY SLAYDEN		CLINTON	42031	KY
61-40-0017	ABBEY OF GETHSEMANI		TRAPPIST	40073	KY
61-41-0037	C L HIX & SONS		SCOTTSVILLE	42164	KY
61-41-0039	MORGAN BROTHERS	R R 7	SCOTTSVILLE	42164	KY
61-42-0001	JAMES STEARMAN & SONS	ROUTE 3	GREENSBURG	42743	KY
61-48-0002	MAPLE CREST FARM		MANCHESTER	40962	KY
61-50-0002	EDWARD MULLINS & SON		YOSEMITE	42566	KY
61-52-0505	TIM BARNES	ROUTE 3	BEAVER DAM	42320	KY
61-54-0008	LENARD EZELL	ROUTE 1	GRACEY	42232	KY
61-55-0009	CARL SHACKELFORD		TRENTON	42286	KY
61-55-0025	BEN J KANAGY	RT 2	GUTHRIE	42234	KY
61-55-0027	MELVIN & ELMER HOCHSTETL	RT 1 BOX 183	ALLENSVILLE	42204	KY
61-59-0001	GEORGE DYE		FLEMINGSBURG	41041	KY
61-60-0046	HERBERT & BILL RANSDELL	ROUTE 1	SALVISA	40372	KY
61-60-0077	R D PEYTON		SALVISA	40372	KY
61-60-0084	C D RANSDELL JR		SALVISA	40372	KY
61-63-0057	ROBERT W THOMPSON JR		GILMORE	40390	KY
61-72-0022	MRS E C GAMBLE		HARRODSBURG	40330	KY
61-73-0065	ART'S DAIRY FARM		PAINT LICK	40461	KY
61-76-0027	BOBBY POOL		LACENTER	42056	KY
61-76-0034	WILLIAM COOPER	ROUTE 3	KEVIL	42053	KY
61-90-0001	PAUL BRUMAGEM & SONS	RT 2	MOUNT OLIVET	41064	KY
61-99-0001	U K HOL COLDSTREAM HERD	RT 6 GEORGETOWN RD	LEXINGTON	40505	KY
61-99-0003	UNIV KY JER COLDSTREAM H	RT 6 GEORGETOWN RD	LEXINGTON	40505	KY
63-01-0010	DR CYRUS KENDALL		HENDERSONVILLE	37075	TN
63-01-0017	J B JACKSON JR	RT 2 BOX 609	GOODLETTESVILLE	37072	TN
63-01-0048	RONALD SHUMAKE	ROUTE 1	MIDDLETON	37151	TN
63-03-0003	R D DAVIS		WALLAND	37886	TN

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	. . . . A D D R E S S O F O W N E R . . . . STREET OR ROUTE	TOWN	ZIP-CODE	STATE
63-03-0007	BOBBY MCCAMPBELL	RTE 5	KNOXVILLE	37914	TN
63-03-0011	LASHBROOKE FARM		RT 2 LOUISVILLE	37777	TN
63-03-0014	JAMES MESSLER	ROUTE 2	GREENBACK	37742	TN
63-03-0021	UNIV OF TENN NO 2		KNOXVILLE	37916	TN
63-03-0022	UNIV OF TENN NO 1		KNOXVILLE	37916	TN
63-03-1011	NEAL SCARLETT		NEW MARKET	37820	TN
63-03-1017	E H BUTLER & SONS		KNOXVILLE	37921	TN
63-03-1024	FOREST HILL FARM		KNOXVILLE 21	37912	TN
63-03-1029	JOHN R STOFFELL	ROUTE 12	KNOXVILLE	37918	TN
63-05-0001	W J ALLEN		ELIZABETHTON	37643	TN
63-05-0012	HERBERT MILLS		BLUFF CITY	37618	TN
63-05-0016	PINEMONT FARMS INC		BRISTOL	24201	VA
63-05-0027	BITTERSWEET KNOLLS		BLUFF CITY	37618	TN
63-06-0012	PAUL BASKETT	ROUTE 5	JONESBORO	37659	TN
63-05-0017	H M & HENRY WALKER		JONESBORO	37659	TN
63-05-0024	RAY CRAWFORD		LIMESTONE	37681	TN
63-06-0030	WASHINGTON COLLEGE ACADE	R4	WASHINGTON CLGE	37693	TN
63-06-1023	GARLAND FARMS		JONESBORO	37659	TN
63-07-0006	JAMES TOMLINSON	R 4	JACKSON	38301	TN
63-07-0007	WEST TENN EXP STATION		JACKSON	38301	TN
63-08-0011	HOYT OWEN		MURFREESBORO	37130	TN
63-08-0015	GILMAC FARM	ROUTE 2	MURFREESBORO	37130	TN
63-08-0032	MIDDLE TENN ST UNIV		MURFREESBORO	37130	TN
63-08-0046	EDWIN TODD JR		MURFREESBORO	37130	TN
63-08-0054	TENNHILL JERSEYS	ROUTE 1	CHRISTIANA	37037	TN
63-09-0005	CLEBURNE JERSEY FARM		SPRING HILL	37174	TN
63-09-0007	MIDDLE TENN EXP STA	BOX 1	SPRING HILL	37174	TN
63-09-0010	M C ALEXANDER	ROUTE 1	WILLIAMSPORT	38487	TN
63-11-0001	DAVID E HINTON		CLARKSVILLE	37040	TN
63-11-0003	GEORGE E SISKE & SON	ROUTE 3	CLARKSVILLE	37040	TN
63-11-0004	HENRY B WILLIAMS		CLARKSVILLE	37040	TN
63-12-0008	HENRY GABY & SONS		GREENEVILLE	37743	TN
63-12-0016	J E WADDELL		GREENEVILLE	37743	TN
63-12-0017	JOHN W MASSENGILL	ROUTE 3	CHUCKEY	37641	TN
63-12-0031	CHARLES LOVE		CHUCKEY	37641	TN
63-12-0058	TOMMY CAMPBELL	ROUTE 1	LIMESTONE	37681	TN
63-13-0010	MALCOLM BELL AND SON	ROUTE 2	FRIENDSHIP	38034	TN
63-13-0014	J S PUTMAN & SON		FRIENDSHIP	38034	TN
63-13-0016	WILLIAM W MCLEAN	ROUTE 1	NEWBERN	38059	TN
63-13-0019	ROBERT BELL	ROUTE 2	FRIENDSHIP	38034	TN
63-13-0024	BEN P HAZLEWOOD	ROUTE 3	HUMBOLDT	38369	TN
63-17-0002	BURNETTE & HIXSON		FULTON	42041	KY
63-17-0007	BURROW FARMS	RT 5	FULTON	42041	KY
63-17-0026	ROBERTS DAIRY FM	RT 1	CLINTON	42031	KY
63-17-0027	PHARIZELL FARMS	RT 1	CLINTON	42031	KY
63-17-0029	BURROW FARM HOLSTEIN HER	ROUTE 5	FULTON	42041	KY
63-19-0011	MILTON HUMBERD		CLEVELAND	37311	TN
63-19-0031	JOE HARRIS		CLEVELAND	37311	TN
63-19-0039	D O HIWAS DAIRY	ROUTE 1	CHARLESTON	37310	TN
63-20-0001	MELVIN WHITE		COLLEGE GROVE	37046	TN
63-22-0005	UNIVERSITY OF TENN		MARTIN	38237	TN
63-22-0006	UNIVERSITY OF TENN		MARTIN	38237	TN
63-23-0006	PHILIP H SUMNERS		ATHENS	37303	TN
63-23-0014	MAYFIELD FARMS		ATHENS	37303	TN
63-23-0015	HOLLY HILL FARM		RICEVILLE	37370	TN
63-23-0016	LEE HOUSLEY		RICEVILLE	37370	TN
63-23-0018	MRS J R WATTENBARGER		DECATUR	37322	TN
63-23-0020	JACK M THOMAS		RICEVILLE	37370	TN
63-23-0024	HOMESTEAD FARMS		SWEETWATER	37874	TN
63-23-0031	ROSS ELKINS		ENGLEWOOD	37329	TN
63-23-0034	MAYFIELD FARMS	HERD NO 2	ATHENS	37303	TN
63-23-0035	BOYD TREW	ROUTE 1	DELANO	37325	TN
63-24-0008	LEWIS ROBINSON	ROUTE 1	CORNERSVILLE	37047	TN
63-24-0012	DIXIE FROST FARMS	ROUTE 1	LYNNVILLE	38472	TN
63-24-0017	THOMPSON BROTHERS	ROUTE 1	LYNNVILLE	38472	TN
63-25-0001	LEONARD BEASLEY		CHAPEL HILL	37034	TN
63-25-0005	VIRGIL BEASLEY		CHAPEL HILL	37034	TN
63-25-0018	JACK TAYLOR		UNIONVILLE	37180	TN
63-26-0018	SIMON A YODER		PARIS	38242	TN
63-26-0022	ROBERT L SMITH	ROUTE 2	COTTAGE GROVE	38224	TN
63-26-0027	E H WRIGHT	ROUTE 4	PARIS	38242	TN
63-27-0005	VERNON HALE		RUSSELLVILLE	37860	TN
63-28-0010	HEREFORD BROS D 1	BOX 15	KELSO	37348	TN
63-28-0017	W B LILES	ROUTE 7	FAYETTEVILLE	37334	TN
63-28-0021	LOUISE F BROWN	ROUTE 3	PETERSBURG	37144	TN
63-32-0013	J T TAYLOR	ROUTE 2	CHAPEL HILL	37034	TN
63-32-0027	TENN UNIV EXP STATION #1	ROUTE 3	LEWISBURG	37091	TN
63-32-1015	GLENN WOODARD	RT 2	CORNERSVILLE	37047	TN
63-32-1120	TENNESSEE UNIVERSITY EXP	ROUTE 3	LEWISBURG	37091	TN
63-34-0004	TENNESSEE TECH # 2		COOKEVILLE	38501	TN
63-34-0010	DIBRELL BOYD		COOKEVILLE	38501	TN
63-35-0006	ROBERTSON BROS DAIRY	ROUTE 4	LAWRENCEBURG	38464	TN
63-37-0011	CIRCLE Z FARM		WINCHESTER	37398	TN
63-37-0014	C E VINCENT		WINCHESTER	37398	TN
63-40-1101	ROY WHITE		LOUDON	37774	TN

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	. . . . ADDRESS STREET OR ROUTE	OF OWNER . . . . TOWN	ZIP-CODE	STATE
63-41-0011	MELVIN FREEZE	ROUTE 4	MORRISON	37357	TN
63-45-0001	WILLIAM MCGIBONEY		ROCK ISLAND	38581	TN
63-45-0002	R Q GRANDEY	RT 5	MCMINNVILLE	37110	TN
63-45-0013	WOODEN BROS	RT 5	MCMINNVILLE	37110	TN
63-51-0003	ED & CLAUDE LANCE		SWEETWATER	37874	TN
63-51-0006	W B CLEVELAND		SWEETWATER	37874	TN
63-51-0014	CHESTER & CHESTERS	RT 3	SWEETWATER	37874	TN
63-51-1123	JOHN NORRIS	ROUTE 4	MADISONVILLE	37354	TN
63-60-0002	C H GILLEN		SPARTA	38583	TN
64-01-0114	ROBERT MCCRORY	RT 1 BOX 467	TRUSSVILLE	35173	AL
64-01-0115	JERSEY DAIRY FARM		BESSEMER	35020	AL
64-01-0126	J O NORRIS	RT 1	TRUSSVILLE	35173	AL
64-02-0108	JONATHAN WAHL	ROUTE 1	WILMER	36587	AL
64-05-0103	JOHN DILLON AND SONS	ROUTE 1 BOX 2C	FOLEY	36535	AL
64-05-0115	BARR HOFFREN DAIRY	ROUTE 1	FAIRHOPE	36532	AL
64-05-0134	PAUL CHILDRESS JR	ROUTE 1 BOX 195	LOXLEY	36551	AL
64-08-0103	GEORGE A HALLMAN JR		REMLAP	35133	AL
64-08-0106	DEAN MAYNOR	BOX 154	GARDEN CITY	35070	AL
64-08-0115	J S HAZELRIG	RT 1	CLEVELAND	35049	AL
64-08-0117	R E BISHOP JR	RT 1 BOX 106A	CLEVELAND	35049	AL
64-08-9107	MAX SPIKE		BLOUNTSVILLE	35031	AL
64-12-0102	DAWSON DAY		FIVE POINTS	36855	AL
64-13-0110	GAINES T ADAMS	ROUTE 1	CEDAR BLUFF	35959	AL
64-19-0101	SMITH FARMS	RT 1	ENTERPRISE	36330	AL
64-25-0102	CARL A REINHARDT	ROUTE 4	CULLMAN	35055	AL
64-25-0114	EDGAR W CROY	RT 8 BOX 54	CULLMAN	35055	AL
64-28-0105	W L HOWELL & SON	ROUTE 1	FORT PAYNE	35967	AL
64-29-0105	JOHN B NIXON	ROUTE 3	WETUMPKA	36092	AL
64-29-0123	COUSINS BROS DAIRY		WETUMPKA	36092	AL
64-36-0123	P A TUTWILER		GREENSBORO	36744	AL
64-36-0135	R R HOLLINGSWORTH	ROUTE 3 BOX 53	GREENSBORO	36744	AL
64-37-0101	H B DESHAZO DAIRY	RT 2	HEADLAND	36345	AL
64-38-0102	BUDDY SIMMONS	RT 3 ASHFORD RD	DOTHAN	36301	AL
64-44-0111	L E MCCONNELL		ANDERSON	35610	AL
64-48-0107	M W MCKEE		FAUNSDALE	36738	AL
64-48-0110	CEDARCREST FARMS NO 1		FAUNSDALE	36738	AL
64-48-0111	CEDAR CREST FARMS NO 2		FAUNSDALE	36738	AL
64-50-0103	SUNNYSIDE DAIRY FARM	ROUTE 1	BOAZ	35957	AL
64-50-0106	BAMA JERSEY FARM	RT 4 BOX 201	ARAB	35016	AL
64-51-0101	HIDDEN ACRES FARM INC	RT 2 BOX 182	ATMORE	36502	AL
64-53-0101	JAMES BRADY	RFD 2 BOX 165	MARION	36756	AL
64-58-0102	J E BEARDEN	RFD 1	HELENA	35080	AL
64-58-0110	MILLER BIG M DAIRY		VINCENT	35178	AL
64-61-0107	C L COLLINS JR 1		SYLACAUGA	35150	AL
64-61-0111	R B KENT & SONS NO 1	RT 2 BOX 184A	TALLADEGA	35160	AL
64-61-0112	R B KENT & SON NO 2	ROUTE 2 BOX 184A	TALLADEGA	35160	AL
64-63-0115	R W RYAN	ROUTE 1	COTTONDALE	35453	AL
64-99-0101	DEPT OF DAIRY HUSBANDRY	AUBURN UNIVERSITY	AUBURN	36830	AL
64-99-0102	DEPT OF DAIRY HUSBANDRY	AUBURN UNIVERSITY	AUBURN	36830	AL
65-02-0009	PLEASANT HILL DAIRY	DAVID BRIDGFORTH	OLIVE BRANCH	38654	MS
65-02-0021	JOHN GARTRELL		LAKE CORMORANT	38641	MS
65-02-0051	ELMER MASSEY		HORN LAKE	38637	MS
65-03-0017	CUS-GEE GUERNSEY FARM	BOX 559	STATE COLLEGE	39762	MS
65-03-0049	R P HARTNESS		STARKVILLE	39759	MS
65-03-0050	BOSWELL KENNARD & SONS	ROUTE 1 BOX 106	STARKVILLE	39759	MS
65-03-0052	F W OAKLEY		STARKVILLE	39759	MS
65-03-0231	MISS STATE UNIV	DRAWER DD	STATE COLLEGE	39762	MS
65-03-0331	MISS STATE UNIV		STATE COLLEGE	39762	MS
65-03-0431	MISS STATE UNIV	DRAWER DD	STATE COLLEGE	39762	MS
65-04-0012	TOM MILLER	RT 1 BOX 35A	MACON	39341	MS
65-04-0013	R BRUCE HENDERSON	RT 2	MACON	39341	MS
65-04-0033	HENRY J YODER		MACON	39341	MS
65-05-0035	FOSTER SMITH		PICAYUNE	39466	MS
65-07-0006	C O HERCHENHAHN & SON	ROUTE 5	HATTIESBURG	39401	MS
65-08-0022	DOUGLAS YELVERTON		ARTESIA	39736	MS
65-09-0011	JIM TODD	ROUTE 1	WEST POINT	39773	MS
65-10-0001	KARL GOSS		PICAYUNE	39470	MS
65-11-0017	JOHN N HONEA	ROUTE 2	OSYKA	39657	MS
65-11-0021	LESLIE MOORE HONEA	BOX 104	MAGNOLIA	39652	MS
65-11-0032	E F CHAPMAN	RT 2 BOX 59	MAGNOLIA	39652	MS
65-12-0007	BUFORD PIGOTT AND SON	ROUTE 2	TYLERTOWN	39667	MS
65-13-0008	E J KINABREW		SUMMIT	39666	MS
65-14-0004	JAMES E & JOHN T LAYTON	ROUTE 3	MAGEE	39111	MS
65-17-0002	JAMES ROWZEE		NEWTON	39345	MS
65-17-0017	FRANK RICHARDSON		UNION	[illegible]	MS
65-17-0035	COASTAL PLAIN EXPT STATI	JERSEY HERD RT 2	NEWTON	39345	MS
65-17-0036	COASTAL PLAIN EXP STATIO		NEWTON	39345	MS
65-18-0001	W A BILBO	755 PINE ST	MAGNOLIA	39652	MS
65-18-0004	DOCK SLATON	RT 3	MAGNOLIA	39652	MS
65-18-0008	EUGENE L OTT JR		OSYKA	39657	MS
65-18-0014	MAJORIE MCMULLIN DAIRY	BOX 388	MAGNOLIA	39652	MS
65-18-0022	JIMMY TROUTMAN		FERNWOOD	39635	MS
65-19-0106	WOOTEN AND BARHAM		COLDWATER	38618	MS
65-20-0002	JULIUS T CARROLL		KILMICHAEL	39747	MS
65-21-0002	W P GARTH	HERD NO 1	BRANDON	39042	MS

TABLE 7. LIST OF HERO-OWNERS (CONTINUED).

HERO CODE	NAME OF OWNER	. . . . ADDRESS OF OWNER . . . . STREET OR ROUTE	TOWN	ZIP-CODE	STATE
6[illegible]-[illegible]1-0003	W P GARTH HERO NO 2	BOX 547	BRANDON	39042	MS
65-23-0027	EUGENE L HOWRY JR	P O BOX 356	SARDIS	38566	TX
65-24-0001	BURCHFIELD JERSEY FARM		ETHEL	39067	MS
65-24-0005	H L & DAVID DODD		SALLIS	39160	MS
65-24-0006	WILLIE E MYERS		KOSCIUSKO	39090	MS
65-25-0003	G W SELF		NEW ALBANY	38652	MS
65-27-0001	DALTON G GARNER		BOONEVILLE	38829	MS
65-30-0002	MAX MILLER	ROUTE 2	GULFPORT	39501	MS
65-33-0001	G B WALKER AND SONS		STONEVILLE	38776	MS
65-46-0004	RAYMOND COLLINS		LAUREL	39440	MS
65-46-0016	ELLISVILLE STATE SCH		ELLISVILLE	39437	MS
65-52-0048	F E WOODS		BYHALIA	38611	MS
65-53-0001	J F MCCARDLE	ROUTE 1	HASLEHURST	39083	MS
65-53-0009	TONY SMITH	RT 4 B 278	WESSON	39191	MS
65-57-0001	R B MOORE OR JAMES W MOO	ROUTE 5	PHILADELPHIA	39350	MS
71-02-0005	CRAWLEY, W C AND SON	R R 2 BOX 205	GRAVETTE	72736	AR
71-02-0008	HERSHBERGER, LEWIS	R R 3 BOX 220	BENTONVILLE	72712	AR
71-02-0047	CLOE, DON	R R 3 BOX 234	BENTONVILLE	72712	AR
71-02-0051	REAMS, VERNON	R R I BOX I2	GENTRY	72734	AR
71-02-0057	LOCKHART, ROLLAND	R R 1 BOX 257	BENTONVILLE	72712	AR
71-02-0061	RONE, CLYDE RON & DON	R R 2	BENTONVILLE	72712	AR
71-02-0071	RAKES, JERRY	R R 2	BENTONVILLE	72712	AR
71-03-0008	JONES, MARVIN F	R R 2	HARRISON	72601	AR
71-04-0004	FULTZ, FLOYD AND DAVID	R R 1	ALPENA	72611	AR
71-04-0035	WILLIAMS, CHARLES R	R R 3 BOX 232	BERRYVILLE	72616	AR
71-07-0003	WASSON FARM	530 S DONAGHEY	CONWAY	72032	AR
71-07-0006	MARTIN, R E	R R 2	DAMASCUS	72039	AR
71-07-0007	ROBERTS, DANNY	R R 2	GREENBRIER	72058	AR
71-07-0010	WIEDOWER, FLOYD	R R 3	GREENBRIER	72058	AR
71-07-0014	ROWLETT, W W	R R 3	GREENBRIER	72058	AR
71-10-0001	HUBER, GEORGE J	R R 1 BOX 168	SUBIACO	72865	AR
71-10-0002	ROBBERSON, ROOSEVELT	R R 1	PARIS	72855	AR
71-10-0031	HEFT, RAY	BOX 325	PARIS	72855	AR
71-18-0009	HALL, JERRY	R R 1	DAMASCUS	72039	AR
71-19-0023	HAWLEY AND BELL	% L HAWLEY R R 2	PRAIRIE GROVE	72753	AR
71-19-0027	GILBREATH, H L	R R 1	SUMMERS	72769	AR
71-19-0035	HILL, BLAINE	R R 4	FAYETTEVILLE	72701	AR
71-19-0037	BROOKS, D C AND DON	R R 5	SILOAM SPRINGS	72761	AR
71-25-0014	CHEEK, ARNOLD		SALEM	72576	AR
71-40-0001	SOUTHERN STATE COLLEGE	AGR DEPT	MAGNOLIA	71753	AR
71-47-0010	COX, A P JR	R R 8 BOX 227	TEXARKANA	75501	AR
71-73-0002	SMITH, JAMES W	R R 2 BOX 124	CARLISLE	72024	AR
71-80-0003	UNIV OF ARK ANI SCI	% DR J M RAKES	FAYETTEVILLE	72701	AR
72-07-0001	PHILIP C COOK	BOX 462	RINGGOLD	71068	LA
72-07-0005	L O TOWNS LEBANON FARM		GIBSLAND	71028	LA
72-14-0002	N LA HILL FARM EXP STA	ROUTE 1 BOX 100	HOMER	71040	LA
72-14-0005	ROY E ODOM	RT 2 BOX 142-A	HAYNESVILLE	71038	LA
72-16-0001	HALL BURFORD		GLOSTER	71030	LA
72-17-0003	LSU DAIRY DEPT DR J B FR	UNIVERSITY STATION	BATON ROUGE	70803	LA
72-17-0006	KLEINPETER FMS DY INC	ROUTE 6 BOX 50	BATON ROUGE	70815	LA
72-28-0007	SIDNEY J BOWLES JR		LAFAYETTE	70501	LA
72-28-0010	EDWIN SIMON	RT 1 BOX 83	YOUNGSVILLE	70592	LA
72-28-0013	JOHN C SIMON	P O BOX 122	YOUNGSVILLE	70592	LA
72-28-0014	THEODORE HEBERT	RT 3 BOX 259	LAFAYETTE	70501	LA
72-31-6101	LA POLYTECHNIC INST		RUSTON	71270	LA
72-31-6102	LA POLYTECHNIC INST		RUSTON	71270	LA
72-34-0126	LESLIE H MC KOIN		BONITA	71223	LA
72-34-6115	GREEN BROS DAIRY	DAIRY # I	BASTROP	71220	LA
72-37-0001	M L JOHNSON		MONROE	71201	LA
72-37-0103	LOUISIANA STATE UNIVERSI	N LA EXP STATION	CALHOUN	71225	LA
72-40-0110	M W WALKER	P O BOX 1088	ALEXANDRIA	71301	LA
72-40-6126	INGLEWOOD DAIRY	ROUTE 2	ALEXANDRIA	71301	LA
72-46-0001	THOMAS E MORGAN		AMITE	70422	LA
72-46-0003	LOUIS J ROBERTSON		AMITE	70422	LA
72-46-0008	GEORGE LEE		GREENSBURG	70441	LA
72-46-0011	MARVIN L FLETCHER	ROUTE I	HOLDEN	70744	LA
72-46-0028	RONNIE WARREN		AMITE	70422	LA
72-53-0025	B-NEZ JERSEY FARM	STAR ROUTE	KENTWOOD	70444	LA
73-02-0007	PEFFLY, ALFRED	R R BOX 80	AMORITA	73719	OK
73-03-0003	MUNGLE, J JENE	R R 5	ATOKA	74525	OK
73-04-0005	BENSCH, GLENFORD H		LOGAN	73[illegible]49	OK
73-04-0027	PARKER, RICHARD AND SONS		ELMWOOD	73935	OK
73-09-0004	KREMEIER, LESTER	R R 3	OKARCHE	73762	OK
73-09-0011	BAN VIEW FARMS	R R 2 BOX 119	ELRENO	73036	OK
73-09-0022	BALL, DICK	R R 3 BOX 63	YUKON	73099	OK
73-09-0035	GRIGGS, CHARLES		MUSTANG	73064	OK
73-14-0014	MCDANIEL DAIRY FARMS	R R 1 BOX 198	MOORE	73[illegible]60	OK
73-16-0005	SULLIVAN, ELBREDGED	R R 2	LAWTON	73501	OK
73-20-0002	BAILEY, FRED	R R 2	WEATHERFORD	73096	OK
73-20-0011	MAST, JOHN B	R R 2 BOX 56	WEATHERFORD	73096	OK
73-23-0002	COMMUNITY JERSEY FARM	ELLIS A WOODS	GAGE	73843	OK
73-23-0006	BAYLESS, GLENN B	R R 1	GAGE	73843	OK
73-23-0008	BAY, CLARENCE		SHATTUCK	73858	OK
73-23-0033	PAY DAY FARM	R R 1	GAGE	73843	OK
73-24-0001	ENID STATE SCHOOL		ENID	73701	OK

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	. . . . A D D R E S S O F O W N E R . . . . STREET OR ROUTE	TOWN	ZIP-CODE	STATE
73-24-0006	ANGLIN, ELMER	R R 3	ENID	73701	OK
73-24-0010	SEMRAD, ERNEST AND SONS	HACKBERRY FMS R IE	WAUKOMIS	73773	OK
73-24-0014	BENKENDORF, W E	R R 1	ENID	73701	OK
73-25-0003	ARTHUR, JESSIE R	R R 2	PAULS VALLEY	73075	OK
73-26-0001	VON TUNGELN, ELMER	R R 2	VERDEN	73092	OK
73-26-0010	WEGENER, RAYMOND	R R	MINCO	73059	OK
73-26-0046	MORRIS, EARL JR	R R 2	NINNEKAH	73067	OK
73-36-0015	HIATT, HAROLD	R R 1	BRAMAN	74632	OK
73-36-0027	HEADS CREST DAIRY	% DON HEAD	HUNNEWELL	67141	KS
73-36-0034	JIM - ROSS DAIRY	% JIMMY HIATT	BRAMAN	74632	OK
73-37-0003	YEOMAN, GEORGE L	R R 1	DOVER	73734	OK
73-37-0019	STAUDE, WILBUR	R R 2	LOYAL	73756	OK
73-37-0021	SCOTT, LOUIS		OMEGA	73764	OK
73-37-0023	STONE, ROBERT	R R 1	CASHION	73016	OK
73-37-0024	BUGG, WILLIAM E	R R 1	HENNESSEY	73742	OK
73-37-0025	BREHM, GUY R	R R 1	LOYAL	73756	OK
73-37-0033	HAGER, NORMAN		HITCHCOCK	73744	OK
73-41-0028	REEDY, GERALD	R R 2	CHANDLER	74834	OK
73-41-0030	HERRMANN, ALVA	R R 1	AGRA	74824	OK
73-41-0049	DAVIS, FRANCIS F NO 1	R R 1	AGRA	74824	OK
73-41-0075	ARMSTRONG, JIM	R R 4	CHANDLER	74834	OK
73-45-0007	BLAND, WILLIAM	R R 2	VINITA	74301	OK
73-45-0020	MILLER, DONALD	R R 1	BIG CABIN	74332	OK
73-45-0027	KESTER, W L	R R 2 BOX 133	PRYOR	74361	OK
73-45-0042	BROWN, CARROLL	R R 1 BOX 125	ROSE	74364	OK
73-46-0035	SMITH, HERMAN	R R 2 BOX 100	RINGWOOD	73768	OK
73-47-0015	HOWE, STEVE	R R 1	SULPHUR	73086	OK
73-55-0016	STEWARD, JOHN	R R 3 BOX 161	EDMOND	73034	OK
73-55-0017	MURPHY, JIM C	R R 2	EDMOND	73034	OK
73-55-0029	LUNSFORD, TOMMY	7306 S COUNCIL	OKLAHOMA CITY	73119	OK
73-55-0030	IDEAL DAIRY FARMS	R R 1 BOX 263	CHOCTAW	73020	OK
73-57-0039	JOHNSON, WILL R	STAR ROUTE	SKIATOOK	74070	OK
73-60-0019	OKLA STATE UNIV	DAIRY DEPT	STILLWATER	74074	OK
73-60-0020	OKLA STATE UNIV	DAIRY DEPT	STILLWATER	74074	OK
73-60-0026	DENNY, MYRON	R R 1	STILLWATER	74074	OK
73-60-0050	BUNNEY, ROGER	R R 1	RIPLEY	74062	OK
73-60-0057	CABIN-CREEK-S FARM	R R 3	CUSHING	74023	OK
73-61-0001	OKLA STATE PENITENTIARY	DAIRY DEPARTMENT	MC ALESTER	74501	OK
73-66-0029	OAKRIDGE FARM	R R 1	CHEYENNE	73628	OK
73-69-0004	BURNS, J K	R R 1	DUNCAN	73533	OK
73-70-0024	PANHANDLE STATE COLLEGE		GOODWELL	73939	OK
73-70-0031	WHISPERING WINDS FARM	% TERRY R JOHNSON	HOOKER	73945	OK
73-72-0032	SMITH, HAYWARD	R R 1 BOX 159	OWASSO	74055	OK
73-74-0012	ROCKY HILLS DAIRY	R R 1 BOX 508	BARTLESVILLE	74003	OK
73-76-0008	EGGLESTON, DONALD	R R 1 BOX 39	WAYNOKA	73860	OK
73-77-0003	HEDGES, BRIAN C	R R 2	VICI	73859	OK
74-01-0033	TEXAS A & M HOLSTEINS	DAIRY SCIENCE DEPT	COLLEGE STATION	77843	TX
74-03-0129	TEXAS DEPT CORRECTION	RT 3	HUNTSVILLE	77340	TX
74-04-0109	LAVON FARMS		PLANO	75074	TX
74-04-0115	ARTHUR DIETERICH FARM		DORCHESTER	75[illegible]	TX
74-04-0140	ROY L FERGUSON	ROUTE 1	PRINCETON	75077	TX
74-04-0143	FITCH DAIRY	ROUTE 1 BOX 189	BEDFORD	76021	TX
74-05-0029	DALCAN RANCH	ROUTE 2 BOX 159	BRENHAM	77833	TX
74-05-0032	DANIEL ENGELING		BRENHAM	77833	TX
74-05-0040	CHARLES ULRICH		SEALY	77474	TX
74-05-0043	3 D JERSEY FARM	BOX 939	NAVASOTA	77868	TX
74-05-0045	DELTON KOERTH	ROUTE 2	BURTON	77835	TX
74-07-0032	BOB STORM	P O BOX 302	PREMONT	78375	TX
74-10-0131	MURIEL E STEUBING	ROUTE 4 BOX 121A	SAN ANTONIO	78228	TX
74-10-0159	JACK H KAY		BUDA	78610	TX
74-10-0179	WILDON PETTY		GEORGETOWN	78626	TX
74-10-0190	COFFIN JERSEY FARM		MATHIS	78368	TX
74-10-0201	LARRY RICKS REG	BOX 122	SAN ANTONIO	78228	TX
74-10-0217	5 H DAIRY	RT 1 BOX 105	COMFORT	78013	TX
74-10-0219	JIM KNOWLTON	ROUTE 1 BOX 4	VON ORMY	78073	TX
74-10-0220	5 H DAIRY JERSEYS	RT 1 BOX 104	COMFORT	78013	TX
74-10-0223	G K NORRIS	RT 1 BOX 9C	BOERNE	78006	TX
74-10-0225	G K NORRIS	RT 1 BOX 9-C	BOERNE	78006	TX
74-10-0226	ALTON DAVIS	YANCEY STAR RT	HONDO	78861	TX
74-11-0140	VERNON G FRIEDRICH		GAINESVILLE	76240	TX
74-12-0104	GROUND BROTHERS	ROUTE 1 BOX 294	DE SOTA	75115	TX
74-12-0111	DAVID G SMOKLER	RT 1 BOX525	LANCASTER	75146	TX
74-12-0113	JOHN F TUFTS		DALLAS	75216	TX
74-12-0124	H E REDDEN	ROUTE 3	MIDLOTHIAN	76065	TX
74-12-0125	W S COX		WAXAHACHIE	75165	TX
74-14-0122	JAMES KNANDEL		COST	78614	TX
74-14-0123	SCHENDEL JERSEY FARM	ROUTE 2 BOX 75	RUNGE	78151	TX
74-15-0131	POSTON FARM INC	RT 2 BOX 163	STEPHENVILLE	76401	TX
74-15-0137	DAVID GODFREY	BOX 1111	BLANKET	76432	TX
74-15-0151	DON EARLY	ROUTE 1	BANGS	76823	TX
74-15-0162	W L PAYTON		STEPHENVILLE	76401	TX
74-15-0189	TED SIMPSON	BOX 226	BROWNWOOD	76801	TX
74-15-0204	ROY L HUGHES	ROUTE 1	BLANKET	76432	TX
74-16-0104	DONALD L OOPSLAUF	RT 1 BOX 120	LA GRANGE	78945	TX
74-16-0116	ANTON TIETJEN JR		LA GRANGE	78945	TX

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	........ADDRESS OF OWNER........ STREET OR ROUTE	TOWN	ZIP-CODE	STATE
74-16-0141	G D NOLLKAMPER		SHINER	77984	TX
74-16-0147	HENRY W HAISLER	ROUTE 2 BOX 251	BASTROP	78602	TX
74-16-0151	MARVIN L OTTO	RTE 2 BOX 103	LA GRANGE	78945	TX
74-18-0128	C F TUCKER		SULPHUR SPRINGS	75482	TX
74-18-0133	T D HARNESS	ROUTE 3	SULPHUR SPRINGS	75482	TX
74-18-0143	BILLY JACK ALLEN	ROUTE 2	SULPHUR SPRINGS	75482	TX
74-18-0181	HARVEY W MATHES	ROUTE 5	SULPHUR SPRINGS	75482	TX
74-25-0108	LOUIS G HINDERS		CANYON	79015	TX
74-25-0136	RIGLER BROTHERS	BOX 1950	PLAINVIEW	79072	TX
74-25-0173	VINCENT BRADDOCK		DIMMITT	79027	TX
74-25-0186	N R JONES		HEREFORD	79045	TX
74-25-0192	BOB ZYBACH		BRISCOE	79011	TX
74-25-0199	J CHESTER ELLIFF		TULIA	79088	TX
74-25-0202	WINSTON WAGGONER	ROUTE 1	DIMMITT	79027	TX
74-25-0204	JONES HALES		CANYON	79015	TX
74-26-0120	MARTIN THEOFORD		TYLER	75701	TX
74-31-0126	WILFRED A HOFF		WINDTHORST	76389	TX
74-31-0135	LEO A HOFF	ROUTE 1 BOX 20	WINDTHORST	76389	TX
74-31-0141	ROBERT STEINBERGER		WINDTHORST	76389	TX
74-31-0150	JAMES VIETH	STAR ROUTE	WINDTHORST	76389	TX
74-31-0151	JERRY VIETH	ROUTE I	WINDTHORST	76389	TX
74-32-0145	BYRON PESTER	ROUTE 2 BOX 63 E	HOUSTON	77018	TX
74-33-0143	VAUGHT FARMS	BOX 457	MT ENTERPRISE	75681	TX
74-33-0173	JIMIKE JERSEY FARM	ROUTE 5 BOX 144	NACOGDOCHES	75961	TX
74-33-0174	C J CORDELL	BOX 468	NACOGDOCHES	75961	TX
74-35-0109	J FRED DAVIS JR	BOX 75	HASLET	76052	TX
74-35-0191	LON-FRAN FARM	RT 2	MIDLOTHIAN	76065	TX
74-35-0200	CALVIN BUCHANAN	ROUTE 1	DECATUR	76234	TX
74-35-0202	SHEPHERD HOLSTEIN FARM	ROUTE I	BOYD	76023	TX
74-35-0206	STOKES AND BOBBY ARMSTRO	RT 1	BARRY	75102	TX
74-36-0003	LOUIS SCHOENEMAN		CALDWELL	77836	TX
74-36-0019	ELM CREEK FARM JERSEYS		CAMERON	76520	TX
74-36-0022	ELM CREEK FARM (HOL)	P O BOX 584	CAMERON	76520	TX
74-36-0024	JAMES D ASH		BELTON	76513	TX
74-36-0025	JERRY REK		ROCKDALE	76567	TX
74-36-0027	MELVIN HRONEK		CALDWELL	77836	TX
74-36-0030	S R DONAHO		FLORESVILLE	78114	TX
74-36-0032	CODDY DAIRY	BOX 712	WACO	76706	TX
74-39-0007	KENNETH LAMBERT	ROUTE 2	DECATUR	76234	TX
74-39-0011	DAVID STEWART	RT 1 BOX 33	RHOME	76078	TX
74-39-0014	DAN RHINE	P O BOX 364	DECATUR	76234	TX
74-74-0002	J HARREL KNAPE	ROUTE 4 BOX 80	ALVIN	77511	TX
74-74-0012	BILL STANSELL		FLUVANNA	79517	TX
74-74-0018	ED C WINSTON	ROUTE 1 BOX 349	ALVIN	77511	TX
81-07-0851	GEORGE WARNICK		FORT SHAW	59443	MT
81-07-9001	AYRSHIRE DAIRY	P. O. BOX 1807	GREAT FALLS	59401	MT
81-07-9622	PURVIS BROTHERS		VAUGHN	59487	MT
81-16-0031	BOSTANA RANCH	ROUTE 1	MANHATTAN	59741	MT
81-16-0184	HENRY DYK	ROUTE 1	MANHATTAN	59741	MT
81-16-0185	JOE DYK	RT 1 BOX 313	MANHATTAN	59741	MT
81-16-0801	WILLIAM J TATARKA	ROUTE 1	BOZEMAN	59715	MT
81-16-9039	STEVEN & GARY BOS	RT 1 BOX 69	MANHATTAN	59741	MT
81-16-9113	GEORGE CHRISTIE	RT 2	BOZEMAN	59715	MT
81-16-9512	HARVEY MOSS & SONS		BELGRADE	59714	MT
81-16-9513	DR B R MOSS	MONTANA STATE UNIV	BOZEMAN	59715	MT
81-24-0032	CHARLES BICK		CHARLO	59824	MT
81-24-0741	GENE SCHOCK	BOX 406	ROMAN	59864	MT
81-41-0278	NORMAN GANTHNER	ROUTE 1	CORVALLIS	59828	MT
81-41-0473	BRUCE LUDLOW		TEVENSVILLE	59870	MT
81-41-7576	SUMMER LANE DAIRY	% KEITH NORDHEIM	CORVALLIS	59828	MT
81-56-9033	HERMAN & RUSSELL		BALLANTINE,	59006	MT
82-11-0117	GEORGE E DAY	ROUTE 3	NAMPA	83651	ID
82-11-0218	EUGENE BALDWIN	ROUTE 1	MERIDIAN	83642	ID
82-11-0244	LARRY IRISH	ROUTE I	EAGLE	83616	ID
82-12-0119	IDACREST FARMS INC		KUNA	83634	ID
82-12-0134	J K LUCE	ROUTE 4	NAMPA	83651	ID
82-12-0144	STEWART FARMS INC	ROUTE 3	NAMPA	83651	ID
82-12-5138	OREGON TRAIL FARMS	ROUTE 1	NAMPA	83651	ID
82-12-5140	LARRYDALE FARMS INC	ROUTE 6	NAMPA	83651	ID
82-12-9122	ROY EDDLEMON & SON	ROUTE 5	NAMPA	83651	ID
82-13-0113	RICHARD D BRASS	ROUTE 1	CALDWELL	83605	ID
82-13-0197	L L LINCOLN & SON	ROUTE 1	PARMA	83660	ID
82-14-0111	AGEE DAIRY FARMS	ROUTE 3	MERIDIAN	83642	ID
82-14-0194	ROBERT DAY	ROUTE 2	KUNA	83634	ID
82-14-0208	GLEN GRAY	ROUTE 2	MERIDIAN	83642	ID
82-14-0225	FLOYD EDWARDS	ROUTE 6	NAMPA	83651	ID
82-14-0264	GERALD W DIRKSEN	ROUTE 3	MERIDIAN	83642	ID
82-14-5153	WILLIAM T STEVENS	ROUTE 3	MERIDIAN	83642	ID
82-14-5157	W J WAGONER & SON	ROUTE 2	MERIDIAN	83642	ID
82-14-5260	J IRVIN HART	ROUTE 5	NAMPA	83651	ID
82-15-0148	WAYNE VASSAR	ROUTE 5	NAMPA	83651	ID
82-15-0269	PAUL W KORN	ROUTE 2	NAMPA	83651	ID
82-16-0167	ELDON F HARROLD	ROUTE 7	CALDWELL	83605	ID
82-17-5278	GERALD GROSS	ROUTE I	KUNA	83634	ID
82-19-0193	PERRY KASEL	ROUTE 5	NAMPA	83651	ID

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	.... A D D R E S S O F O W N E R .... STREET OR ROUTE	TOWN	ZIP-CODE	STATE
82-22-0357	WILLIS & LOWELL GRIM	ROUTE 2	NAMPA	83651	ID
82-25-5118	DONALD D HEFFNER	P O BOX 2	MONTOUR	83646	ID
82-29-0143	WILLIAM D WRIGHT	RURAL RTE	FRANKLIN	83237	ID
82-29-0174	ROBERT & HORACE HAWORTH	RURAL RTE	FRANKLIN	83237	ID
82-29-0213	HERMAN NIELSON		WESTON	83286	ID
82-32-0123	MELVIN MICKELSON		GRACE	83241	ID
82-32-0125	MARVIN PRESCOTT	STAR ROUTE BOX 346	GRACE	83241	ID
82-32-0155	FLOYD TOONE		GRACE	83241	ID
82-32-0157	DANIEL MICKELSON		GRACE	83241	ID
82-32-0175	ROGER G MICKELSON	P. O. BOX 362	GRACE	83241	ID
82-32-9154	LAWRENCE D. MICKELSON		GRACE	83241	ID
82-35-0261	BLAIR HALL	STAR RTE	BLISS	83314	ID
82-36-0140	ARCHIE MALONE	RURAL RTE 1	JEROME	83338	ID
82-36-0258	SCOTT GULICK	RURAL RTE	JEROME	83338	ID
82-36-0313	CLIFFORD IVERSON	ROUTE 1	JEROME	83338	ID
82-36-5140	ARCHIE MALONE	RURAL RTE 1	JEROME	83338	ID
82-36-5261	FRANK W HOUSTON	RURAL RTE 3	JEROME	83338	ID
82-39-0118	LAVAR HUNTER	ROUTE 2	ST ANTHONY	83445	ID
82-39-0119	BERT HYMAS	RTE 2	REXBURG	83440	ID
82-39-0132	ARDEN G KLINGLER	ROUTE 2	REXBURG	83440	ID
82-39-5120	IDAHO YOUTH TRAINING CTR	RURAL RTE	ST ANTHONY	83445	ID
82-39-5165	H R PARKER & SONS	RURAL RTE 2	ST ANTHONY	83445	ID
82-40-0164	JACK HILTERBRAND	ROUTE 5	RUPERT	83350	ID
82-40-0243	REED LEWIS	ROUTE 3	RUPERT	83350	ID
82-40-0273	MAGIC VUE DAIRY	% LA MONT SMITH RT	HEYBURN	83336	ID
82-40-0285	MOUNTAIN VIEW DAIRY	% ORLAND KOYLE RT	RUPERT	83350	ID
82-41-0019	GRANT RANDALL & SON	RT 2 BOX 172	BURLEY	83318	ID
82-41-0021	REX GERRATT	RTE 3 BOX 353A	BURLEY	83318	ID
82-45-0171	H K PAISLEY	STAR RTE	SPIRIT LAKE	83869	ID
82-48-0150	ROBERT A PRITZL	RT 2	NEW PLYMOUTH	83655	ID
82-48-5135	JOE PRITZL	ROUTE 1	FRUITLAND	83619	ID
82-48-5150	ROBERT A PRITZL	ROUTE 2	NEW PLYMOUTH	83655	ID
82-48-5153	KENT S PAYNTER	ROUTE 2	NEW PLYMOUTH	83655	ID
82-49-0146	WILLIAM ROYSTON	RURAL RTE 1	PAYETTE	83661	ID
82-49-0165	ALAN JOHNSON	ROUTE 1	NEW PLYMOUTH	83655	ID
82-49-5160	C ALFORD RUSSELL & SONS	ROUTE 1	NEW PLYMOUTH	83655	ID
82-49-5207	RAYMOND SMITH	RTE 1	EMMETT	83617	ID
82-51-0191	JOHN & BARBARA COTHERN	ROUTE 1	BUHL	83316	ID
82-52-0119	IRVIN EHLERS	ROUTE 1	TWIN FALLS	83301	ID
82-52-0139	RUSSEL RIGGS	RURAL RTE	MURTAUGH	83344	ID
82-52-0169	WALTER MATTHIESEN	ROUTE 2	FILER	83328	ID
82-52-0173	DALE WILLIAMS	ROUTE 2	FILER	83328	ID
82-52-0203	L & R DAIRY % WARD	ROUTE 1	BUHL	83316	ID
82-56-0138	DEAN ESPLIN	ROUTE 1	SHELLEY	83274	ID
82-66-5037	UNIVERSITY OF IDAHO	R H ROSS DEPT ANIM	MOSCOW	83843	ID
82-71-0001	LYLE ANDERSEN	RT 2N BOX 96A	POCATELLO	83201	ID
82-71-0019	ORIS REED		DOWNEY	83234	ID
83-10-9110	LLOYD VERNON HOOPES	RFD 1	AFTON	83110	WY
83-15-9100	HAROLD RADLOFF	UNIV. OF WYOMING	LARAMIE	82070	WY
84-02-0006	COLO HONOR FARM DAIRY	P. O. BOX 999	CANON CITY	81212	CO
84-02-0010	HILLSIDE DAIRY, INC	ROUTE 3 BOX 87	PUEBLO	81001	CO
84-03-0018	PAUL NEWBY	ROUTE 4 BOX 165	LONGMONT	80501	CO
84-03-0025	WM WAILES	RT 1 BOX 104	KERSEN	80644	CO
84-03-0053	RAY J DECHANT	RT 1 BOX 61	BERTHOUD	80513	CO
84-03-0101	HAPPY OURS FARM	ROUTE 1 BOX 34-A	BERTHOUD	80513	CO
84-03-0203	CLARENCE SITZMAN	RT 3 BOX 182	GREELEY	80631	CO
84-03-0347	HERTZKE BROS	ROUTE 3	GREELEY	80631	CO
84-03-0358	OTTO SCHELLER	RT 2 BOX 86	EATON	80615	CO
84-03-0509	ROBUD FARMS	114 S COUNTY RD	FORT COLLINS,	80521	CO
84-03-0514	DELBERT HENRY	RT 1 BOX 100	AULT	80610	CO
84-03-0805	ANDERSON BROTHERS	ROUTE 1 BOX 18	PLATTVILLE	80651	CO
84-03-0814	ROYAL JERSEY FARM		KEENESBURG	80643	CO
84-03-0902	MAR RU FARM	RT 4 BOX 233C	GREELEY	80631	CO
84-03-9100	HOWARD E BINDER JR.	ROUTE 2 BOX 155	FT. LUPTON	80621	CO
84-03-9142	ALLEN M LEE	ROUTE 4 BOX 375	FT COLLINS	80521	CO
84-03-9144	ALBERT FOOS	ROUTE 2 BOX 124	BRIGHTON	80601	CO
84-03-9224	HIROSHI TATEYAMA		AULT	80610	CO
84-03-9286	R AND R ARNBRECHT	ROUTE 2 BOX 192	GREELEY	80631	CO
84-03-9307	EDWIEN WIEDEMAN	ROUTE 3 BOX 435	GREELEY	80631	CO
84-03-9308	VIRGIL POOTBURG	RT 1 BOX 53	JOHNSTOWN	80534	CO
84-03-9422	MILLIS-AN DAIRY	RT 1 BOX 403	LUPTON	80621	CO
84-03-9451	CARL-AYR FARM	RT 2 BOX 6	FT LUPTON	80621	CO
84-03-9480	JOSEPH J TROSTEL	RT 2 BOX 196	BRIGHTON	80601	CO
84-03-9807	HENRY FARM	ROUTE 4 BOX 223	GREELEY	80631	CO
84-03-9815	A J R FARMS	R R 4 BOX 195-F	GREELEY	80631	CO
84-04-0024	SISTERS MT ST FRANCIS	P. O. BOX 106C	COLO SPRGS	80901	CO
84-04-0025	TED O WILSON	STAR ROUTE BOX 717	ELIZABETH	80107	CO
84-04-0035	WILLIAM BRUCE MOUNT		ELIZABETH	80107	CO
84-04-9010	MYRON STRATTON HOME	HIWAY 115 SOUTH	COLO SPRGS	80909	CO
84-04-9038	E L CANON HOLSTEINS	1515 VINE	CANON CITY	81212	CO
84-04-9047	RICHARD P. CARLSON	ROUTE 1 BOX 22C	COLO SPRGS	80909	CO
84-06-0002	JOHN H ANDRIJESKA	RT 1 BOX 59	PIERCE	80650	CO
84-06-0085	S SCHMAGHTENBERGER	RT 2 BOX 330	LOVELAND	80537	CO
84-06-0093	MARVIN COONTS	ROUTE 1 BOX 79	BERTHOUD	80513	CO
84-06-0111	CHARLEY WYKOFF	321 S CONTY LINE	BERTHOUD,	80531	CO

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	. . . . A D D R E S S O F O W N E R . . . . STREET OR ROUTE	TOWN	ZIP-CODE	STATE
84-06-0128	WILBUR & RICHARD SCHIL	ROUTE 4 BOX 80	FT COLLINS	80521	CO
84-06-9007	COLO STATE UNIVERSITY	ANIMAL SCIENCE DEP	FT COLLINS	80521	CO
84-06-9012	DUANE R FISHER	RR 4 BOX 226	FT COLLINS	80521	CO
84-06-9089	CLYDE VAIR	ROUTE 2 BOX 118	EATON	80615	CO
84-06-9092	MIKE DICKERSON	RT 4 BOX 264 #5	FT COLLINS	80521	CO
84-06-9208	CLIFFORD WAAG	ROUTE # 4 BOX 59	FT COLLINS	80521	CO
84-07-9050	THAYERS FARM	ROUTE 2 BOX 659	BROOMFIELD	80020	CO
84-07-9068	PACLAMAR FARMS	RT 1 BOX 312	LOUISVILLE	80027	CO
84-07-9075	BOULDER VALY HOLSTEINS	1042 95 STREET	LAFAYETTE	80026	CO
84-08-0056	PEACH VALLEY SWISS FRM	ROUTE #1	NEW CASTLE	81652	CO
84-12-0001	MRS JEAN ZEHNDER	RT 1 BOX 106	ARVADA	80002	CO
84-15-0007	CEDAR ROSE FARM	ROUTE 3 BOX 67	BURLINGTON	80807	CO
84-15-9019	ROYLAINE JERSEYS INC	ROUTE 1 BOX 109	FORT MORGAN	80701	CO
84-18-9055	GRAND MESA VIEW RANCH	ROUTE 1 BOX 202	CEDAREDGE	81413	CO
84-20-0011	FRANCIS B SLADE		HESPERUS	81326	CO
84-30-0030	ROBERT G CROWTHER		SANFORD	81151	CO
84-30-9001	J H KNOOP AND F GRAY	ROUTE I	ALAMOSA	81101	CO
84-32-0001	CHICKAREE FARMS	P. O. BOX 1406	CORTEZ	81321	CO
84-37-9012	LLOYD HEIMER	WAGES ROUTE	HOLYOKE	80734	CO
85-01-9001	BJ ROMIG PUREBRED HERD	P. O. BOX 940	LAS CRUCES	88001	NM
85-01-9002	NEW MEX STATE UNIV	BOX 3149	LAS CRUCES	88003	NM
85-02-0006	L G ZARTMAN	400 CLARK ROAD	SW ALBUQERQUE	02102	NM
85-02-0011	MACK RASBAND	7116 ISLETA SW	ALBUQUERQUE	87105	NM
85-02-0018	GEORGE THATCHER	7424 EDITH BLVD NE	ALBUQUERQUE	87107	NM
85-02-9015	VALLEY GOLD DAIRY FARM	ROUTE 9 BOX 858-B	ALBUQUERQUE	87105	NM
85-03-0027	PAUL HAMILTON	ROUTE 1 BOX 644	ALBUQUERQUE	87102	NM
85-03-0040	TIM SINGER	P. O. BOX 1038	LOS LUNAS,	87031	NM
85-03-0041	JORDAN PAREO	RT 1 BOX 1300	ALBUQUERQUE	87105	NM
85-03-9016	HANDLEYS GUERNSEY DAIR	STAR RT 1 BOX 22-C	VEGUITA	87062	NM
85-03-9034	RAYMOND L JARRATT	ROUTE 1 BOX 79	LOS LUNAS	87031	NM
85-06-9001	LILLYWHITE RANCH		AZTEC	87410	NM
85-07-9014	ROBERT M BARLEY	P. O. BOX 217	HOPE	88250	NM
85-20-9001	MURMUND JERSEY DAIRY	P. O. BOX U	ALAMOGORDO	88310	NM
85-21-9001	PRICE-BLACK FARM INC		ARREY	87930	NM
85-32-9005	PRICES EL PASO DAIRY	BOX 26339 RANCHLAN	EL PASO	79928	NM
86-01-0093	MARKWOOD ENTERPRISES	RT 2 BOX 89A	CHANDLER	85224	AZ
86-01-0098	HAROLD RAWLINGS	RT 2 BOX 250	TEMPE	85281	AZ
86-01-0420	HOFFMAN DAIRY	RT 1 BOX 48	BUCKEYE	85326	AZ
86-01-0456	PAUL L. CHRISTOPH	5555 E. THOMAS RD.	MESA	85201	AZ
86-01-9005	ARIZONA STATE UNIVERSI	ROUTE I BOX 531	TEMPE	85281	AZ
86-01-9022	BUTLER DAIRY	RT 1 BOX 227 C	BUCKEYE	85326	AZ
86-01-9039	JAMES COOPER & SONS	951 S LAZONA DR	MESA	85204	AZ
86-01-9078	EDENDALE RANCH	RT 4 BOX 349 C	PHOENIX	85031	AZ
86-01-9153	C. T. SHARP & SONS	1816 E BROWN RD	MESA	85201	AZ
86-01-9165	ST JOHN DAIRY	ROUTE 3 BOX 450	GLENDALE	85301	AZ
86-01-9169	T A BURGESON JR	ROUTE 2 BOX 215	CHANDLER	85224	AZ
86-01-9173	PETE J. TREGUBOFF	P. O. BOX 306	TOLLESON	85353	AZ
86-01-9221	I. M. JULMER	RT 1 BOX 181-B	TOLLESON	85353	AZ
86-01-9323	ROBERT & SNEDIGAR	321 E CONCORDA	TEMPE	85281	AZ
86-01-9416	JEROME LASALVIA	RT 1 BOX 391	LAVEEN	85339	AZ
86-01-9447	MOUNTAIN SHADOW DAIRY	RT 1 BOX 14	LITCHFIELD PARK,	85340	AZ
86-01-9478	HENDERSON, STOCKTON	507 SECURITY BLDG	PHOENIX	85004	AZ
86-01-9500	SUN VALLEY DAIRY	RT 1 BOX 508	LAVEEN	85339	AZ
86-01-9501	MISTIC MANOR	ROUTE 1 BOX 508	LAVEEN	85339	AZ
86-02-0019	A BRUCE KNAPP	P. O. BOX 5544	TUCSON	85703	AZ
86-02-0033	PAUL LUELLIG	ROUTE 1 BOX 120A	COLLIDGE	85228	AZ
86-02-9008	ALVIN H KEMPTON	ROUTE 1 BOX 52	COOLIDGE	85228	AZ
86-02-9012	SHAMROCK GUERNSEY FARM	P. O. BOX 5524	TUCSON	85702	AZ
86-02-9027	DAIRY SCIENCE DEPT	UNIVERSITY OF ARIZ	TUCSON 25	85721	AZ
87-01-0994	WALDO YARDLEY & SONS	P. O. BOX 161	BEAVER	84713	UT
87-02-0344	LEON O & BOYD GARDNER		HONEYVILLE	84314	UT
87-02-0744	HOWARD C MAUGHAN	R F D	GARLAND	84312	UT
87-02-0886	SIDNEY SORENSEN	RFD	E GARLAND	84312	UT
87-02-0900	J H SORENSON & SON		EAST GARLAND	84312	UT
87-03-0003	SETH S ALLEN	RFD	RICHMOND	84333	UT
87-03-0015	ARTHUR ANDERSON	RFD	WELLSVILLE	84339	UT
87-03-0261	TINO FEDERICO		TRENTON	84338	UT
87-03-0273	CALVIN FUNK		RICHMOND	84333	UT
87-03-0286	GIBBONS BROTHER		LEWISTON	84320	UT
87-03-0287	H RAY & DON GIBBONS		LEWISTON	84320	UT
87-03-0341	W K HARRIS & SONS		RICHMOND	84333	UT
87-03-0735	CHARLES REESE	R.F.D.	SMITHFIELD	84335	UT
87-03-0794	WILLIS SHARP		LEWISTON	84320	UT
87-03-0819	RALPH B SORENSON	RFD BOX 308	LEWISTON	84320	UT
87-03-0848	F EDIS TAGGART		LEWISTON	84320	UT
87-03-0870	DON THORNLEY		SMITHFIELD	84335	UT
87-03-9017	HOWARD G. ANDERSEN		RICHMOND	84333	UT
87-03-9071	LUDEAN BALLS		HYDE PARK	84318	UT
87-03-9223	U.S.U. DAIRY HERD	UTAH STATE UNIV	LOGAN,	84322	UT
87-03-9316	ROSS H GORDON		LEWISTON	84320	UT
87-03-9509	NORRIS L MICKELSON	R R	LEWISTON	84320	UT
87-03-9559	GEORGE R WANLASS		PARADISE	84328	UT
87-03-9566	NORMAN BROS	% WAYNE NORMAN	PARADISE	84328	UT
87-06-0058	JOHN & CHARLES BARNER	RFD BOX 23	KAYSVILLE	84037	UT
87-06-0389	JIM KNIGHT	299 E 1300 N	DAVIS,	84010	UT

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	. . . . A D D R E S S STREET OR ROUTE	O F O W N E R . . . . TOWN	ZIP-CODE	STATE
87-06-0700	RICHARDS JERSEY FARM	% AARON RICHARDS	FARMINGTON	84025	UT
87-06-0798	SMOOT JERSEY FARM	1697 N MAIN	CENTERVILLE	84014	UT
87-15-0911	JAN TURNER	P. O. BOX 205	MORGAN	84050	UT
87-18-0030	GRANT ANDRUS		DRAPER	84020	UT
87-18-0103	BECKSTEAD JERSEY FARM	7981 S 1300 W	WEST JORDAN,	84084	UT
87-18-0175	ELIAS J OR HENRY M DAY	12300 S 603 EAST	DRAPER	84020	UT
87-18-0187	JAMES H DAY		DRAPER	84020	UT
87-18-0344	ARION EREXSON-PERSCH	5419 S 900 E	MURRAY,	84117	UT
87-20-0455	R A JENSEN	RFD	MANTI	84642	UT
87-20-0683	CLAIR OTTEN		STERLING	84665	UT
87-20-0845	KURT M & R P SORENSON		CENTERFIELD	84622	UT
87-22-0726	L & G PACE FARM	RFD	COALVILLE	84017	UT
87-22-0845	SORENSON SHADY LANE		OAKLEY	84055	UT
87-22-9061	BROWN DAIRY REG HOLSTN	% GLEN BROWN	COALVILLE	84017	UT
87-22-9082	JOHN P BROWN & SONS	RFD	COALVILLE	84017	UT
87-25-0295	DEAN F GILBERT	ROUTE #1 BOX 270	AMERICAN FK	84003	UT
87-25-0511	RICHARD ORTON	RFD RT 1	SPANISH FORK	84660	UT
87-25-0514	ERNEST PARTRIDGE	ROUTE 2 BOX 167	SPANISH FK	84660	UT
87-25-7006	J DEAN ADAMS	RFD BOX 48	PL GROVE	84062	UT
87-25-9076	B Y U DAIRY HERD	BRIGHAM YOUNG UNIV	PROVO	84601	UT
87-25-9084	WILLIAM GARRY BROWN	RFD	SANTAQUIN	84655	UT
87-25-9487	DEXTER KENT	RT 1 BOX 374	PROVO	84601	UT
87-25-9924	CHARLES WARNICK	RFD BOX 376	PL GROVE	84062	UT
87-26-0160	DEAN BROWN	RFD	HEBER	84032	UT
87-26-0522	LE ROY A KOHLER	RFD	HEBER	84032	UT
87-26-0558	CALVIN J PROBST	RFD	HEBER	84032	UT
87-26-0722	GRANT REMUND		HEBER	84032	UT
87-26-0755	RALPH B. SORENSON	R. F. D.	HEBER	84032	UT
87-29-0074	HAROLD BUCK	R F D 1	OGDEN	84401	UT
87-29-0575	RIVERDALE STAKE FARM	R F D 2 BOX 798	FARR WEST	84404	UT
87-29-0591	ROPELATO BROTHERS	3993 WEST 1800 SO	OGDEN,	84401	UT
87-29-0594	JACKSON JERSEY FARM	2730 WEST 4800 SO	ROY,	84067	UT
87-29-0610	OWEN SHAW	160 W 2550 N	NORTH OGDEN	84404	UT
87-29-0946	OWEN WAYMENT	ROUTE 2	WARREN	84404	UT
87-29-0968	RUSSEL WAYMENT	RFD 2	OGDEN	84404	UT
87-29-9329	HOLY TRINITY ABBEY		HUNTSVILLE	84317	UT
87-29-9499	ALEX PAPAGEORGE	ROUTE 3	OGDEN	84404	UT
87-29-9712	LOWELL STALLINGS		EDEN	84310	UT
88-01-0035	DONALD STENERI	BOX 23	HAZEN	89417	NV
88-01-0044	NEWELL MILLS	ROUTE I BOX 153	FALLON	89406	NV
88-01-9002	NEWELL J MILLS	RT I BOX 153	FALLON	89406	NV
88-01-9020	CHARLES FREY	RT 1	FALLON	89406	NV
88-01-9023	RITTER GONZALES	ROUTE 1 BOX 128 A	FALLON	89406	NV
88-01-9025	VIRGIL GETTO	P O BOX 345	FALLON	89406	NV
88-01-9033	ELBERT L MILLS	RT 1 BOX 38C	FALLON	89406	NV
88-02-0004	LEE A JONES		BUNKERVILLE	89007	NV
88-15-9001	FRANK AGUIAR JR	ROUTE 1 BOX 293	FERNLEY	89408	NV
88-16-9004	FRED WEAVER	ROUTE 1 BOX 366	FERNLEY	89408	NV
88-16-9005	UNIV OF NEVADA DAIRY	5300 MILL STREET	RENO	89507	NV
91-10-0005	FRED BOOTH	RTE 3 BOX 32	SEQUIM	98382	WA
91-10-5020	JAY L LANCASTER	RT 2 BOX 125	SEQUIM	98382	WA
91-10-5022	HAROLD E HERRETT	RTE 3 BOX 862	SEQUIM	98382	WA
91-10-5034	C A ROBINSON & SON	RT 4 BOX 150	SEQUIM	98382	WA
91-10-5064	LAMAR MILLET	RTE 3 BOX 195	SEQUIM	98382	WA
91-10-5069	MYRON LANCASTER	RTE 3 BOX 170	SEQUIM	98382	WA
91-10-5083	JAY L LANCASTER	RT 2 BOX 125	SEQUIM	98382	WA
91-11-5001	W S U	TROY HALL	PULLMAN	99163	WA
91-11-5003	W S U	TROY HALL	PULLMAN	99163	WA
91-12-0013	FRANK MESSNER	RTE 1 BOX 324	BRUSH PRAIRIE	98606	WA
91-12-0017	LEON OCHS	RTE 1 BOX 347	CAMAS	98607	WA
91-12-0028	W F BENNETT & SONS	RTE 1 BOX 53	BRUSH PRAIRIE	98606	WA
91-12-0042	WALTER HUNTINGTON	RTE 1 BOX 89	BRUSH PRAIRIE	98606	WA
91-12-0045	KEN-MAC FARM	17308 NE 39TH ST	VANCOUVER	98662	WA
91-12-0075	ARI LANGENDOEN	HAYS STAR RT BOX 6	WOODLAND	98674	WA
91-12-0094	EARL KREINBRING	RTE 1 BOX 51	BRUSH PRAIRIE	98606	WA
91-12-0095	BEN SCHULZ	RTE 2 BOX 103	BATTLE GROUND	98604	WA
91-12-0096	DICK DUDDNSKY	215 SANDY BEND PLA	CASTLE ROCK	98611	WA
91-12-0100	RAY LAGLER	RTE2 13207NE 117TH	VANCOUVER	98662	WA
91-12-0112	LLOYD DEL GROSSO	ROUTE 1	BRUSH PRAIRIE	98606	WA
91-12-0130	MANOR FARMS INC	6112 NE 179TH ST	VANCOUVER	98665	WA
91-12-0131	ARWANA FARMS	RT 2 BOX 72	RIDGEFIELD	98642	WA
91-12-0143	SAMMAMISH FARMS	RTE 1 BOX 41	LA CENTER	98629	WA
91-12-5117	TOTEM POLE FARMS	6620 WILLOW GROVE	LONGVIEW	98632	WA
91-12-5146	MEADOWCHARM FARM	8616 NE 63RD ST	VANCOUVER	98662	WA
91-12-5160	Z-LUV-LI FARMS	1155 WHALEN RD	WOODLAND	98674	WA
91-25-0002	GEORGE & JAY ROYLANCE	EAST STAR RTE	OTHELLO	99344	WA
91-26-5023	ALVIE P & LEELOYD PEARCE	RT 2 BOX 336	MOSES LAKE	98837	WA
91-28-0022	WHARTON BROS	STAR RTE BOX 87	MONTESANO	98563	WA
91-28-0073	WALTER CALLESEN & SON	P O BOX 424	ELMA	98541	WA
91-28-0082	RAY WILLIAM		MALONE	98559	WA
91-28-5072	DARIVILLA FRANK DECK JR	RTE 1 BOX 112	OAKVILLE	98568	WA
91-34-0006	LEON ANGERER	ROUTE 1	FALL CITY	98024	WA
91-34-0013	COY BROTHERS	ROUTE 1	MONROE	98272	WA
91-34-0074	NORMAN BROOK DAIRY	RTE I BOX 374	NORT BENO	98.45	WA
91-34-0117	WILLIAM M KNUTSEN	16005 115TH NE	BOT [illegible]	98.11	WA

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	. . . . A D D R E S S O F O W N E R . . . . STREET OR ROUTE	TOWN	ZIP-CODE	STATE
91-34-0210	BEVERLY WICKS	RT 1 BOX 348	ENUMCLAW	98022	WA
91-34-5002	MARTIN HOLDENER	RTE 3 BOX 681	ENUMCLAW	98022	WA
91-34-5181	CARNATION FARMS	ROUTE 1	CARNATION	98014	WA
91-38-0027	GLEN FIELD	RT 3 BOX 372	ELLENSBURG	98926	WA
91-38-0041	EARL SORENSON & SON	RTE 5 BOX 168	ELLENSBURG	98926	WA
91-38-5030	JACOB KOOY	RTE 3 BOX 147A	ELLENSBURG	98926	WA
91-38-5052	PETER LARSEN	RT 2 BOX 227	ELLENSBURG	98926	WA
91-40-0003	BEEKS HOLSTEIN FARM	RURAL RT	TROUT LAKE	98650	WA
91-42-0017	RASCHKE FARMS	ROUTE 1	CHEHALIS	98532	WA
91-42-0033	JAMES J RAUPP	RTE 1 BOX 1117	TOLEDO	98591	WA
91-42-0043	EDWARD L STALLCOP	RTE 1 BOX 109	TOLEDO	98591	WA
91-42-0083	CLAQUATO FARMS	RT 5 BOX 335	CHEHALIS	98532	WA
91-42-5005	CLIFFORD BUTTS	RURAL RTE 1 BOX 32	MORTON	98356	WA
91-42-5006	SIDNEY BUTTS	STAR RTE 4 BOX 43	MORTON	98356	WA
91-42-5016	MATHEW RAKOZ	RTE 3 BOX 584	CENTRALIA	98531	WA
91-42-5034	WALTER C & ELLEN E MOWER	RTE 2 BOX 13	WINLOCK	98596	WA
91-42-5050	LEPRECHAUN HOLSTEINS	RTE 1 BOX 800	CENTRALIA	98531	WA
91-42-5062	BILL WOOD	RTE 1 BOX 153	ONALASKA	98570	WA
91-50-5007	JACK BURKHALTER	ROUTE 1	RAYMOND	98577	WA
91-54-0028	ELMER O LARSON	RTE 1 BOX 97 B	ROY	98580	WA
91-54-0085	AUGUST SOLER	RT 1 BOX 178	ORTING	98360	WA
91-54-0112	FRANK C NELSON	RTE 1 BOX 311	EATONVILLE	98328	WA
91-54-0120	CHARLES OCHSNER	RTE 3 BOX 2221	SUMNER	98390	WA
91-54-5004	RAINIER STATE SCHOOL		BUCKLEY	98321	WA
91-54-5072	WILCOX FARMS	RTE 1 BOX 71	ROY	98580	WA
91-54-5094	SCOTT HODGSON	WESTERN WASH EXPER	PUYALLUP	98371	WA
91-54-5110	LOUIE DECK	RTE 1 BOX 63	EATONVILLE	98328	WA
91-58-0035	KEITH EGBERT	ROUTE 1	BOW	98232	WA
91-58-0042	ANN FERNIE	ROUTE 2	SEDRO WOOLLEY	98284	WA
91-58-0060	KENNETH C JONES	RTE 1 BOX 325	MT VERNON	98273	WA
91-58-0076	MUZZALL FARMS	RURAL RTE	OAK HARBOR	98277	WA
91-58-0095	WILLIAM & JOHN SMALLEY	RTE 1 BOX 392	BOW	98232	WA
91-58-0122	FRANK VANDE WERFHORST JR	RTE 2 BOX 662G	OAK HARBOR	98277	WA
91-58-0145	MERLE MILLER	ROUTE 1	BURLINGTON	98233	WA
91-58-0197	HENRY DYKSTRA	ROUTE 1	BOW	98232	WA
91-58-0212	VICTOR R JENSEN	RT 1 BOX 163A	BOW	98232	WA
91-58-0217	DUNWHEELIN FARM	RT 1 BOX 232	BURLINGTON	98233	WA
91-58-0220	HUGH & STEVE MORGAN	RT 3 BOX 297	MT VERNON	98273	WA
91-58-0221	JOHN OOSTERHOF	RTE 1 BOX 318	MT VERNON	98273	WA
91-58-0223	JOHN POSTMA	RTE 1 BOX 389	SEDRO WOOLLEY	98284	WA
91-58-5007	CHUKLUCK FARMS INC	ROUTE 1	BURLINGTON	98233	WA
91-58-5012	RUSSELL AXELSON	RTE 6 BOX 263	MT VERNON	98273	WA
91-58-5019	CORNIE P BOON	ROUTE 2	OAK HARBOR	98277	WA
91-58-5025	CHAS DAMON & SONS	RT 1	BOW	98232	WA
91-58-5037	BROCKWELL FARMS INC	ROUTE 1	BOW	98232	WA
91-58-5045	FRIEDRICHS BROS	ROUTE 2	BOW	98232	WA
91-58-5046	GLADCO HOLSTEIN FARM	2034 MUD LAKE RD	MT VERNON	98273	WA
91-58-5056	ALBERT JOHNSON	RTE 3 BOX 39	MT VERNON	98273	WA
91-58-5057	HUBERT JOHNSON	ROUTE 3	MT VERNON	98273	WA
91-58-5110	TENNESON BROS	ROUTE 1	SEDRO WOOLLEY	98284	WA
91-58-5119	WALTNER FARMS	1655 STACKPOLE RD	MT VERNON	98273	WA
91-58-5132	JOHN M YOUNGQUIST	ROUTE 1	BOW	98232	WA
91-58-5159	HARVEY WOLDEN	2142 MANN RD	MT VERNON	98273	WA
91-58-5198	SHERMAN TURKEY FARM INC	RTE 1 BOX 111	COUPEVILLE	98239	WA
91-62-0009	BARTELHEIMER BROS	12224 HWY 2	SNOHOMISH	98290	WA
91-62-0010	EDWARD K BEETCHENOW	ROUTE 2	MONROE	98272	WA
91-62-0021	FRANK J BUELER	RTE 1 BOX 175	SNOHOMISH	98290	WA
91-62-0072	DUANE KUHLMAN	3300 MACHIAS RD	SNOHOMISH	98290	WA
91-62-0187	JERRY SMALL	6525 300TH ST NW	STANWOOD	98292	WA
91-62-0222	WILBUR EPPINGA	RTE 1 BOX 515	MONROE	98272	WA
91-62-5001	BAILAND FARMS	RTE 3 BOX 23	SNOHOMISH	98290	WA
91-62-5002	FARM INDUSTRIES 153	P O BOX 98	MONROE	98272	WA
91-62-5016	WILLIAM H BOYDEN	RTE 2 BOX 310	MONROE	98272	WA
91-62-5067	ARGYLE KNIGHT	RTE 3 BOX 1	SNOHOMISH	98290	WA
91-62-5162	HOWARD E ROD & SON	3801 236TH ST NW	STANWOOD	98292	WA
91-62-5165	DARREL RICCI	RTE 3 BOX 62	SNOHOMISH	98290	WA
91-62-5209	NELSON BROS YORK FARMS	RTE 1 BOX 305	MONROE	98272	WA
91-62-5220	JOHN J DECK	RTE 1 BOX 243	MONROE	98272	WA
91-64-0066	EARLY DAWN DAIRY R BATES	RURAL RTE	VERADALE	99037	WA
91-64-0186	STAJOS GUERNSEY FARM	BOX 26	LATAH	99018	WA
91-64-5025	J L & DAVID ECCLES	RURAL RTE	MEDICAL LAKE	99022	WA
91-64-5073	BETTYDON JERSEY	RURAL RTE	DEER PARK	99006	WA
91-66-0015	MERLE LORENTZ	ROUTE 1	CHEWELAH	99109	WA
91-66-0019	GLEN P MEYERS	RURAL RTE	COLVILLE	99114	WA
91-68-0011	W J ELWANGER & SONS	RTE 5 BOX 505A	OLYMPIA	98502	WA
91-68-0024	EARL KEGLEY	RTE 4 BOX 377	OLYMPIA	98501	WA
91-68-5031	JOHN ALBERT MC MONIGLE	RT 1 BOX 1198	YELM	98597	WA
91-68-5060	KENNETH LONGMIRE	RTE 4 BOX 385	OLYMPIA	98501	WA
91-68-5115	FAIRLEA JERSEYS	RTE 2 BOX 282	CENTRALIA	98531	WA
91-70-0002	FRANK WEBB	STAR RTE	SKAMOKAWA	98647	WA
91-70-0005	TOM IRVING	ROUTE 1	CATHLAMET	98612	WA
91-70-0030	WALLACE A KASTE	PUGIS HOLSTEIN RTE	CATHLAMET	98612	WA
91-70-0040	GUY AMES	PUGET ISLAND	CATHLAMET	98612	WA
91-70-0042	RIVIERA JERSEY FARM	RTE 1 BOX 272	CATHLAMET	98612	WA
91-70-0043	CHAS EMERICK DVM	BOX 174	CATHLAMET	98612	WA

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	ADDRESS OF OWNER: STREET OR ROUTE	TOWN	ZIP-CODE	STATE
91-70-5027	ARTHUR VIK	ROUTE 1	CATHLAMET	98612	WA
91-70-5030	WALLACE A KASTE	PUGIS HOLSTEIN RTE	CATHLAMET	98612	WA
91-72-0032	JERRY WATERS	RTE 1 BOX 66	STANFIELD	97875	OR
91-72-5010	DONALD TOMLINSON	RTE 2 BOX 319	WALLA WALLA	98362	WA
91-72-5020	WALLA WALLA COLLEGE FARM	% WM KOENIG RTE 2	WALLA WALLA	99362	WA
91-72-5028	GORDON G ANDERSEN	RT 1 BOX 188	HERMISTON	97838	OR
91-74-0017	FRED POLINDER JR	1093 POLINDER RD	LYNDEN	98264	WA
91-74-0022	FRED REHM & SON	199 H ST RD	LYNDEN	98264	WA
91-74-0025	PAUL FORTHUN	3262 E BADGER RD	EVERSON	98247	WA
91-74-0030	R DANIEL VAN DYK	7585 NOON RD	LYNDEN	98264	WA
91-74-0035	BOON BROS	RT 1 BOX 12	SUMAS	98295	WA
91-74-0039	CLARENCE ERDMAN	5465 ALDRICH RD	BELLINGHM	98225	WA
91-74-0044	WILLIAM MANTHEY	1272 MANTHEY RD	BELLINGHAM	98225	WA
91-74-0070	J B WASCHKE	1583 SMITH RD	BELLINGHAM	98225	WA
91-74-0078	GERALD MANTHEY	1210 ALDRICH RD	BELLINGHAM	98225	WA
91-74-0084	MARIUS R VANDER GRIEND	8759 GUIDE MERIDIA	LYNDEN	98264	WA
91-74-0134	JOHANNA & BYRON LENSSEN	9179 BLOOM RD	LYNDEN	98264	WA
91-74-0143	LARRY RICHNER	3909 HOFF RD	EVERSON	98247	WA
91-74-0145	JAMES & LANDEN ASPLUND	1429 PARADISE RD	FERNDALE	98248	WA
91-74-0146	GRANDVIEW FARMS	3185 GRANDVIEW RD	FERNDALE	98248	WA
91-74-0149	ARNOLD L OLSON	3418 E BADGER	EVERSON	98247	WA
91-74-0159	TED HEERINGA	8844 BENDER RD	LYNDEN	98264	WA
91-74-0175	ROD ERICKSON	6343 CHURCH RD	FERNDALE	98248	WA
91-74-0186	KULSHAN FARMS	6757 HANNEGAN	EVERSON	98247	WA
91-74-0190	MERVIN DYKSTRA	ROUTE 1	SUMAS	98295	WA
91-74-0217	BERT L WIGHT	8418 VAN BUREN RD	EVERSON	98247	WA
91-74-0221	JAMES KRAMER	716 EAST FRONT	LYNDEN	98264	WA
91-74-0222	DAVID RICHNER	3805 HOFF RD	EVERSON	98247	WA
91-74-5003	T J BAY	8526 BENSON RD	LYNDEN	98264	WA
91-74-5011	NIELSENS FARM	6757 NOOKSACK RD	EVERSON	98247	WA
91-74-5022	FRED REHM & SON	199 H ST RD	LYNDEN	98264	WA
91-74-5027	MARIE & ALVIN CALLENIUS	ROUTE 1	SUMAS	98295	WA
91-74-5045	LEWIS VAN MERSBERGEN	905 PANGBORN RD	LYNDEN	98264	WA
91-74-5047	RONELEE FARM	8075 BYLSMA RD	LYNDEN	98264	WA
91-74-5067	MARVIN VAN MERSBERGEN	1492 PANGBORN RD	LYNDEN	98264	WA
91-74-5071	FLOYD SANDELL	2445 E BAKERVIEW R	BELLINGHAM	98225	WA
91-74-5118	ROZELYN FARM	9265 DOUBLE DITCH	LYNDEN	98264	WA
91-74-5140	GERRIT DE HOOG	RT 1	SUMAS	98295	WA
91-74-5188	STEVE LANCASTER	7913 VAN BUREN RD	EVERSON	98247	WA
91-74-5212	ELTON VISSER	RTE 1	SUMAS	98295	WA
91-78-0027	LEONARD W BAXTER & SONS	RTE 4 BOX 4234	WAPATO	98951	WA
91-78-0132	WILLARD WINTERS	RTE 1 BOX 366B	MABTON	98935	WA
91-78-0140	ROBERT A RASMUSSEN	RT 2 BOX 478	TOPPENISH	98948	WA
91-78-0149	JERRY WATERS	RTE 1 BOX 66	STANFIELD	97875	OR
91-78-5002	ART WINTERS	ROUTE 3	WAPATO	98951	WA
91-78-5131	KENNETH WINTERS	RT 1 BOX366A	ABTON	98935	WA
91-78-5153	GORDON G ANDERSEN	RT 1 BOX 188	HERMISTON	97838	OR
92-02-5024	OREGON STATE COLLEGE	120 WITHYCOMBE HAL	CORVALLIS	9733_	OR
92-02-5027	OREGON STATE COLLEGE	120 WITHYCOMBE HAL	CORVALLIS	97331	OR
92-03-0039	MR & MRS RICHRD BOECKMAN	RTE 1 BOX 652	WILSONVILLE	97070	OR
92-03-0042	RUDOLPH LUSCHER	RTE 1 BOX 190	WEST LINN	97068	OR
92-03-0048	MEIER DAIRY FARMS	RURAL RTE	BORING	97009	OR
92-03-0064	ARNOLD MOORE	RURAL RTE	BORING	97009	OR
92-03-0133	OTTO STRAUB	RTE 1 BOX 184	HUBBARD	97032	OR
92-03-5003	STAEHELY BROS	21301 S CENTRAL PT	OREGON CITY	97045	OR
92-03-5048	MEIER DAIRY FARMS	RURAL RT	BORING	97009	OR
92-03-5097	GERHARD LEWIS	RTE 1 BOX 188	MULINO	97042	OR
92-03-5137	PAUL WEBER	RT 1 BOX 574	WESTLINN	97068	OR
92-03-5138	JAMES MADSEN	RTE 2 BOX 203	WOODBURN	97071	OR
92-04-5038	OSU ASTOR BRANCH EXP STA	RTE 1 BOX 921	ASTORIA	97103	OR
92-05-5026	DONALD R MEIER	RTE 2 BOX 274	SCAPPOOSE	97056	OR
92-06-0002	MYRTLECRST DAIRY G ROOD	ARAGO RT BOX 808	MYRTLE POINT	97458	OR
92-06-0035	KENNETH LAIRD	SITKUM RT BOX 128A	MYRTLE POINT	97458	OR
92-06-0059	SUN VALLEY FARMS B SEALS	BOX 325	MYRTLE POINT	97458	OR
92-06-0093	DAROLD PETERSON	3040 SHUTTERS LAND	NORTH BEND	97459	OR
92-06-5049	LEONARD SCOLARI	BOX 5820 FAIRVIEW	COQUILLE	97423	OR
92-06-5060	VALLEYWOOD FARMS N ROOD	ARAGO RTE BOX 23	MYRTLE POINT	97458	OR
92-06-5068	MR & MRS ORVAL SYPHER	BOX 278 S COOS RIV	COOS BAY	97420	OR
92-08-5006	SWEET JERSEYS L KREUTZER	STAR RTE BOX 10A	SIXES	97476	OR
92-10-0003	AUER JERSEY FARM	RTE 1 BOX 374	MYRTLE CREEK	97457	OR
92-10-0007	MILO ACADEMY FARM	P O BOX 278	MILO	97455	OR
92-13-0005	KEN WAL GUERNSEY FARM	5791 LOWER RIVER R	GRANTS PASS	97526	OR
92-13-0020	RALPH COPE	110 REDLAND DR	GRANTS PASS	97526	OR
92-13-0026	FLOYD SMITH	9815 WILLIAMS HGWY	GRANTS PASS	97526	OR
92-13-0029	VAL ROGUE GUERNSEY FARM	P O BOX 1327	GRANTS PASS	97526	OR
92-13-0062	ILLIVALE FARMS	RTE 1 BOX 720	CAVE JUNCTION	97523	OR
92-13-0109	JAKE VANDER STOEL	15950 HIWAY 238	GRANTS PASS	97526	OR
92-14-5020	SHASTA VIEW DAIRY	RT I BOX 451	WEED	96094	CA
92-15-0016	GERALD FLANAGAN	550 MEADOW VIEW RD	JUNCTION CITY	97448	OR
92-15-0022	HAROLD CLARK	82025 N DAVISON RD	CRESWELL	97426	OR
92-16-0027	FOSTER HARROLD & SONS	BOX 83647 DALE KUN	CRESWELL	97426	OR
92-16-0060	RALPH WITCHER	3585 HIWAY 36	JUNCTION CITY	97448	OR
92-16-0124	JAMES GETCHELL	83442 N ROGERS RD	CRESWELL	97426	OR
92-16-5024	HEMEN WAY FARMS	RTE 1 BOX 746	COTTAGE GROVE	97424	OR
92-16-5109	THE KJELDES	BOX 531 B B RT	COTTAGE GROVE	97424	OR

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	STREET OR ROUTE	TOWN	ZIP-CODE	STATE
		. . . . A D D R E S S	O F O W N E R		
92-18-0027	JESSE GRIESER	4969 SE COLUMBUS S	ALBANY	97321	OR
92-18-0047	HAZEL HUGHES	RTE 1 BOX 126	HALSEY	97348	OR
92-18-0051	LLOYD POUBLON	RURAL RTE 1 BOX 32	HARRISBURG	97446	OR
92-18-5094	SANTIAM DAIRY	RTE 2 BOX 416	LEBANON	97355	OR
92-19-0027	JOE S PAYNE	RTE 2 BOX 302	VALE	97918	OR
92-20-0012	HERBERT S COLEMAN	RTE 1 BOX 350	WOODBURN	97071	OR
92-20-0033	MT ANGEL ABBEY DAIRY		ST BENEDICT	97373	OR
92-20-0041	HOBSON BROS	RTE 1 BOX 329	WOODBURN	97071	OR
92-20-0065	F L ZIELINSKI	P O BOX 114	ST PAUL	97137	OR
92-20-0103	VANLORE FARMS	RT 1 BOX 40	JEFFERSON	97352	OR
92-20-0126	SYTSMAS EVERGREEN DAIRY	10825 WY PRK DRNE	SALEM	97305	OR
92-20-5024	ORVILLE L BROWN	RTE 1 BOX 417	WOODBURN	97071	OR
92-20-5054	C J JORGENSON & SONS	RTE 1 BOX 201	JEFFERSON	97352	OR
92-20-5100	SAR BEN FARMS INC	STAR RTE BOX 88	ST PAUL	97137	OR
92-20-5108	PAUL & DELORES MANN	RTE 1 BOX 305	SILVERTON	97381	OR
92-20-5120	KENNETH CHAFFEY & SONS	RTE 2 BOX 188	AURORA	97002	OR
92-22-0021	BEREND FABER	RTE 1 BOX 456	SALEM	97304	OR
92-22-5045	HELEN M & HARLO M CHERRY	RTE 1 BOX 447	SALEM	97304	OR
92-22-5055	BARBERS JERSEY FARM	RTE 1 BOX 127	WILLAMINA	97396	OR
92-23-0004	DAVE & DONNA LEUTHOLD	8540 FAIRVIEW RD	TILLAMOOK	97141	OR
92-23-0027	MARTIN C BLASER	345 TONE RD	TILLAMOOK	97141	OR
92-23-0046	DURRER BROS	2845 MC CORMICK LO	TILLAMOOK	97141	OR
92-23-0047	TRASK VIEW FARMS INC	6255 BEELER RD	TILLAMOOK	97141	OR
92-23-0049	STANLEY JONES	RTE 2 BOX 241	CLOVERDALE	97112	OR
92-23-0081	DALE M SAYLES	3005 MC CORMICK LO	TILLAMOOK	97141	OR
92-23-0089	ALDERVALE HOLSTEIN FARM	RTE 1 BOX 262	NEHALEM	97131	OR
92-23-0106	HARVEY WYSS	9600 TRASK RIVER R	TILLAMOOK	97141	OR
92-23-0114	GENE WIDMER	10115 FAIRVIEW RD	TILLAMOOK	97141	OR
92-23-0129	KENNETH TOHL	2020 MC CORMICK LO	TILLAMOOK	97141	OR
92-23-0154	DAN LEUTHOLD	2425 MC CORMICK LO	TILLAMOOK	97141	OR
92-23-0157	NES-TILL JERSEY FARM	STAR RT BOX 40	BEAVER	97108	OR
92-23-0172	GLEN JOHNSTON	325 ECKLOFF RD	TILLAMOOK	97141	OR
92-23-0175	TRASK VIEW FARMS INC	6255 BEELER ROAD	TILLAMOOK	97141	OR
92-23-5002	ROBERT ATKINSON	RTE 2 BOX 159	CLOVERDALE	97112	OR
92-23-5024	STEINER & STEINER	3785 NEILSEN RD	TILLAMOOK	97141	OR
92-23-5150	THUN BROS FARMS	1814 MAROLF DR	TILLAMOOK	97141	OR
92-27-0011	KENNETH DONALDSON	RTE 3 BOX 603	HILLSBORO	97123	OR
92-27-0051	BROWNLEE BUSH	RTE 1 BOX 328	FOREST GROVE	97116	OR
92-27-0072	DINSDALE DAIRY	RTE 2 BOX 450	CORNELIUS	97113	OR
92-27-0131	WILBUR P JANSEN	RTE 2 BOX 224	FOREST GROVE	97116	OR
92-27-0161	HEIKE FRY	RT 4 BOX 312	HILLSBORO	97123	OR
92-27-5025	FRANCIS HERTEL	RTE 1 BOX 71	CORNELIUS	97113	OR
92-27-5030	DAIRY FOLKS FARMS	RTE 2 BOX 396	FOREST GROVE	97116	OR
92-27-5037	WILLIAM E MARSH	MARSH FARMS RT 3 8	CORNELIUS	97113	OR
92-28-0047	GEORGE WARMINGTON	RTE 2 BOX 152	MC MINNVILLE	97128	OR
92-28-0088	ROBERT M HOWARD	RT 2 BOX 267	GASTON	97113	OR
92-28-5077	STANLEY BANSEN	RT 2 BOX 269	DAYTON	97114	OR
93-04-9041	ARTHUR AVRIT	ROUTE 4 BOX 217	CHICO	95926	CA
93-04-9042	CHICO ST COL. FOUNDATI	ROUTE 3 BOX 55	CHICO	95926	CA
93-07-0002	BURROUGHS BROS	ROUTE 2 BOX 486	OAKLEY	94561	CA
93-10-0027	DUANE SOARES	7415 W CALIF AVE	FRESNO	93707	CA
93-10-0036	FOGLIO BROS	9715 W CALIF AVE	FRESNO	93706	CA
93-10-0037	T P & GLEN KOLLER	5411 W CALIF AVE	FRESNO	93706	CA
93-10-0044	JOE SOUZA DAIRY	8415 SO VALENTINE	FRESNO	93706	CA
93-10-0140	JOE E COX	5486 W FLORAL	CARUTHERS	93609	CA
93-10-0167	HARPAINS DAIRY FARM	3949 N BARTON	FRESNO	93726	CA
93-10-0207	ANDY ANDERSON	13542 S BLYTHE	CARUTHERS	93609	CA
93-10-0213	CANDY LANE DAIRY	4218 W MUSCAT	FRESNO	93721	CA
93-10-0214	HAROLD HILL	4488 HARLAN AVE	RIVERDALE	93656	CA
93-10-0283	R A & DOUGLAS MADDOX	7285 W DAVIS AVE	RIVERDALE	93656	CA
93-10-0309	OLD STAGE DAIRY	3650 SO CHERRY	FRESNO	93706	CA
93-10-9011	FRESNO STATE COLLEGE	DAIRY PROD DEPT	FRESNO	93726	CA
93-10-9018	MAUR-LINO HOLSTEINS	3040 RIVERBEND RD	SANGER,	93657	CA
93-10-9032	J C ANDERSON	10619 W WHITES BRD	FRESNO,	93721	CA
93-10-9040	A J OUIST DAIRY	5500 W JENSEN	FRESNO	93706	CA
93-10-9058	NINO GROPPETTI & SON	P. O. BOX 646	SAN JOAQUIN	93660	CA
93-10-9156	HILLSPRIDE HOLSTEINS	18565 SOUTH MARKS	RIVERDALE	93656	CA
93-10-9175	RU ANN DAIRY	7285 W DAVIS AVE	RIVERDALE	93656	CA
93-10-9278	PRODUCERS HOLSTEIN	144 E BELMONT	FRESNO	93701	CA
93-11-0067	DANIEL A MILLER & SON	ROUTE 2 BOX 58	ORLAND	95963	CA
93-11-0200	FRANK VIERRA	P. O. BOX 367	MAXWELL	95955	CA
93-11-9001	BAILEY BROTHERS	RT 1 BOX 454	GLENN	95943	CA
93-11-9039	FARMCREST DAIRY	ROUTE 1 BOX 172	ORLAND	95963	CA
93-12-0002	JOHN GIACOMINI	RT 1 BOX 748	EUREKA	95501	CA
93-12-0011	JOSEPH M REGLI	RFD BOX 13	FERNDALE	95536	CA
93-12-0031	ERNEST BOYNTON	RFD BOX 253 A	FERNDALE	95536	CA
93-12-0057	GENE SENESTRARO	ROUTE 1 BOX 766	EUREKA	95501	CA
93-12-0094	CARL RENNER	RT 1 BOX 341	FORTUNA	95540	CA
93-12-0118	LLOYD BANSON	P O BOX 372	FENDALE	95536	CA
93-12-0119	ERNEST GIACOMINI	R.F.D. BOX 9	FERNDALE	95536	CA
93-12-0146	PHIL REGLI	RFD BOX 11	FERNDALE	95536	CA
93-12-9005	DONALD F GIACOMINI	R F D BOX 56	FERNDALE	95536	CA
93-12-9010	A J REGLI	ROUTE 1 BOX 12	FERNDALE	95536	CA
93-12-9051	J W COPPINI ESTATE	P. O. BOX 535	FERNDALE	95536	CA
93-15-0057	PALLA WAYNE	RT 3 BOX 517	BAKERSFIELD	93307	CA

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	. . . . ADDRESS OF OWNER . . . . STREET OR ROUTE	TOWN	ZIP-CODE	STATE
93-15-0084	LAZY TEE DEE RANCH	RT 6 BOX 508	BAKERSFIELD	93307	CA
93-15-0087	MC LANAHAN DAIRY	STAR ROUTE	MARICOPA	93252	CA
93-15-0089	DORADA VISTA DAIRY	ROUTE 5 BOX 534 G	BAKERSFIELD	93307	CA
93-16-0171	FRANK SANTOS	22419 ELDER AVE	RIVERDALE	93656	CA
93-16-9001	DIAMOND A REGISTRY	5484 13TH AVENUE	HANFORD	93230	CA
93-16-9010	CLARKHOME INC	14541 10TH AVENUE	HANFORD	93230	CA
93-16-9011	CAL CLARK FARMS	15964 10TH AVENUE	HANFORD	93230	CA
93-16-9050	PAULO BROS REG	13245 9TH AVENUE	HANFORD	93230	CA
93-16-9166	CELO BAR RANCH	7974 GRANGEVILLE	HANFORD	93230	CA
93-19-9165	HENRY STERK	12160 195TH AVE	ARTESIA	90701	CA
93-20-0061	SHERMAN THOMAS RANCH	25810 AVENUE 11	MADERA	93637	CA
93-20-9038	MASSARO HENRY	20691 ROAD 16	CHOWCHILLA	93610	CA
93-21-0009	ERNEST CORDA	833 CHILENO VALLEY	PETALUMA,	94952	CA
93-21-0019	JAMES GROSSI	4025 NOVATO BLVD	NOVATO	94947	CA
93-21-0078	VOLPI DAIRY	5450 RED HILL ROAD	PETALUMA	94952	CA
93-21-0130	JOE BRAZIL JR	3375 SPRING HILL	PETATUMA,	94952	CA
93-21-9062	CHAS SPALETTA	6701 RED HILL RD	PETALUMA	94952	CA
93-21-9122	MARVIN NUNES		PT. REYES STN.,	94956	CA
93-23-9009	MENDOCINO STATE HOSP	P O BOX X	TALMADGE	95481	CA
93-24-0001	SILVA F J AND SONS	22120 CRANE AVENUE	HILMAR	95324	CA
93-24-0010	NELSON DENNIS	19427 GEER AVENUE	HILMAR	95324	CA
93-24-0029	R.H. DAIRY	631 NICKEL ST.	LOS BANOS	93635	CA
93-24-0031	H G FAWCETT FARMS	P O BOX 231	LOS BANOS	93635	CA
93-24-0074	FRANKLYN MATHERON	21859 CRANE RD	HILMAR	95324	CA
93-24-0094	DOUGLAS EDLUND	20816 WILLIAMS AVE	HILMAR	95324	CA
93-24-0161	M. FANTAZIA & SONS	9255 SO HIWAY 33	GUSTINE	95322	CA
93-24-0233	ALBERT MANCEBO	43490 W HART	DOS PALOS	93620	CA
93-24-0315	F CODERNIZ AND SON	40762 W VALERIA	DOS PALOS	93620	CA
93-24-0353	MIGLIAZZO & SONS	3645 W. BRADSHAW R	MERCED	95340	CA
93-24-0411	WILBAR FARMS	PO BOX 6	GUSTINE	95322	CA
93-24-0447	L REBELO & CO	6255 SO HALEY ROAD	GUSTINE	95322	CA
93-24-0534	WICKSTROM DUANE	20849 TURNER AVE	HILMAR	95324	CA
93-24-0552	GEORGE NUNES	3105 N TRINDADE RD	MERCED	95340	CA
93-24-0555	PHIL FANNELLI	7689 WASHINGTON	HILMAR	95324	CA
93-24-9062	HOWARD G FARNSWORTH	RT 2 BOX 260	LE GRAND	95333	CA
93-24-9099	JOHN G VIERRA	20755 W RIVER RD	STEVINSON,	95374	CA
93-24-9180	JOE L VIERRA	10990 W LIVINGSTON	LIVINGSTON	95334	CA
93-24-9454	VICTOR L GOUVEIA, JR	23561 TURNER AVE	HILMAR	95324	CA
93-24-9567	EVERETT HANNETTE	2231 ZEERING ROAD	DENAIR	95316	CA
93-27-0007	MISSION DAIRY	P O BOX 226	GONZALES	93926	CA
93-27-0054	MOON GLOW DAIRY	P. O. BOX 62	MOSS LANDING	95039	CA
93-27-0071	MISSION DAIRY JERSEYS	P.O. BOX 2266	GONZALES	93926	CA
93-27-0072	ALVES DAIRY	2205 S CABRILLO	HALF MOON BAY	94019	CA
93-27-7076	E H & W T FOSTER	38 PAULSON ROAD	WATSONVILLE	95076	CA
93-27-9002	RINCON DAIRY	P. O. BOX 616	GONZALES	93926	CA
93-27-9004	WES BRESCHINI	ROUTE 3 BOX 6-A	SOLEDAD	93960	CA
93-27-9029	BLANCO DAIRY	580 SAN JUAN ROAD	SALINAS	93901	CA
93-33-0056	J F SAUNDERS	RT 1 BOX 329A	CORONA	91720	CA
93-33-0125	GENE OOSTEN	8345 ARCHIBALD AVE	CORONA	91720	CA
93-33-0126	JAY EM BEE FARMS	5810 SUMNER AVENUE	CHINO	91710	CA
93-33-0134	BERNARD TEUNISSEN	RT I BOX 202	CORONA	91720	CA
93-33-0136	ARIE BREEDYK & SONS	4789 EDISON AVE	CHINO	91710	CA
93-33-0189	L A PIERCE COLLEGE	6201 WINNETKA AVE	WOODLANDHILLS,	91364	CA
93-33-0191	PAULS DAIRY	6170 PARAMOUNT BLV	LONG BEACH	90805	CA
93-33-0194	HENRY STERK	6683 CHINO AVE	CHINO	91710	CA
93-33-0197	WAYSIDE HONOR RANCHO	RT. 3 BOX 1000	SAUGUS	91350	CA
93-33-0205	SCHAAFSMA BROS. DAIRY	7233 CHINO AVENUE	ONTARIO	91761	CA
93-33-0206	PETE VANDERHAM	10613 LIGGETT AVE	NORWALK,	90650	CA
93-33-9010	L D S WELFARE RANCH	6313 ARCHIBALD AVE	CORONA	91720	CA
93-33-9041	EXCELSIOR FARMS	RT 1 BOX 128	CORONA	91720	CA
93-33-9079	BOS DAIRY	6431 WINEVILLE	MIRA LOMA	91752	CA
93-34-0190	JOHN WIETSMA	ROUTE 1 BOX 117	WILTON	95693	CA
93-34-0201	KAMMERER & SON	RT 1 BOX 1306	ELK GROVE	95624	CA
93-34-0228	CHARLES CABRAL	RT 1 BOX 350	GALT	95632	CA
93-34-0282	WILBERT FAGUNDES	5942 RIO LINDA BLV	RIO LINDA	95673	CA
93-34-9076	BAY MEADOW FARM	RT 1 BOX 504	GALT	95632	CA
93-36-0004	DAIRY MANAGER	14901 CENTRAL AVE	CHINO.	91710	CA
93-36-0012	RAY GREYDANUS & SONS	16221 S EUCLID AVE	CHINO	91710	CA
93-36-0022	J N ALBERS & SON	8649 EAST MERRILL	CHINO	91710	CA
93-36-0040	CALIF. INSTITUTE FOR MEN	14901 CENTRAL AVE.	CHINO,	91710	CA
93-36-0280	ARTEVEL FARMS	7255 SCHAEFFER AVE	CHINO,	91710	CA
93-36-0281	GERRIT BOSMA	10469 EDISON AVE	ONTARIO,	91761	CA
93-36-9024	SHADY GROVE #1	1721 N WILSON AVE	UPLAND,	91786	CA
93-36-9042	JOE SIMAS & SONS	ROUTE 1 BOX 174	CORONA	91720	CA
93-36-9219	MAYNARD G ENGLE	7941 CHINO AVENUE	ONTARIO	91761	CA
93-36-9243	CHARLIE VAN DER KOOI	8331 EDISON AVENUE	CHINO	91710	CA
93-37-0062	FRANK KONYN	ROUTE 1 BOX 818	ESCONDIDO	92025	CA
93-37-0130	JOESPH ZUMSTEIN JR.	1405 19TH STREET	IMPERIAL BEACH	92032	CA
93-37-0133	EARL BISHOP	ROUTE 1 BOX 932	ESCONDIDO	92025	CA
93-37-9014	WEARY RIVER RANCH	ROUTE 4 BOX 820	ESCONDIDO	92025	CA
93-37-9031	SWEET HAVEN DAIRY INC	6135 SAN MIGUEL RD	BONITA,	92002	CA
93-37-9036	JOSEPHINE L SCRIPPS	HI HOPE RANCH	SAN LUIS REY	92068	CA
93-39-0001	LOUIS AUFDERMAUR JR	17831 S MCKINLEY A	LATHROP	95330	CA
93-39-0004	FRANK FARIA	13182 SO ROBINSON	ESCALON	95320	CA
93-39-0005	WALTER BETSCHART	20675 SO AUSTIN RD	MANTECA,	95336	CA

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	. . . . ADDRESS OF OWNER . . . . STREET OR ROUTE	TOWN	ZIP-CODE	STATE
93-39-0025	DEUEL VOCATIONAL INST	PO BOX 400	TRACY	95376	CA
93-39-0028	MARCELL DICKENS	31277 E LONE TREE	OAKDALE	95361	CA
93-39-0077	FARM & CREAMRY	P. O. BOX 1020	FRENCH CAMP	95231	CA
93-39-0087	BOBIDES HOLSTEINS	027692 E OWENS RD	ESCALON	95320	CA
93-39-0129	FRANK M ALEGRE & SON	20246 S LAMNER	TRACY,	95376	CA
93-39-0141	VANTILL BROS	20081 S AUSTIN RD	RIPON	95366	CA
93-39-0189	ANDREW COSTA	6540 W TURNER RD	LODI,	95240	CA
93-39-0209	TONY ROCHA JR	0 23243 E LONE TRE	ESCALON,	95320	CA
93-39-0217	JOHN LIMA RANCH	013436 NO THORNTON	LODI	95240	CA
93-39-0233	TRIPLE OAKS	16630 N TRETHE WAY	LODI,	95240	CA
93-39-0241	JOHN BORGES & SONS	10030 E LIBERTY RD	GALT	95632	CA
93-39-0356	EMCEE JERSEY FARM	10806 LOWER SAC RD	STOCKTON	95207	CA
93-39-0365	JOHN BORGES & SONS	10030 E LIBERTY RD	GALT	95632	CA
93-39-0392	NICHOLS & SONS DAIRY	8940 E MELTON RD	MANTECA	95336	CA
93-39-7358	GORDON NICHOLSON	23733 E MARIPOSA	ESCALON,	95320	CA
93-39-9015	CLEVERLANDS	26524 S HWY 33	TRACY,	95376	CA
93-40-0026	HIGHLAND RANCH DAIRY	RT. 2 BOX 673	SN LUIS OBISPO	93401	CA
93-40-0050	CALIF STATE POLY	% H TOONE	SN LUS OBSPO	93401	CA
93-40-9002	CALIF STATE POLY	% H TOONE	SN LUS OBSPO	93401	CA
93-40-9029	HENDRIK DE BOER	5205 CARRIZO ROAD	ATASCADERO	93422	CA
93-40-9049	CALIF STATE POLY	% H TOONE	SN LUS OBSPO	93401	CA
93-42-9012	SUNSET LAGUNA DAIRY	629 SOUTH SIMAS RD	SANTA MARIA,	93454	CA
93-48-0006	J D ROWE & SONS	ROUTE 1 BOX 2650	DAVIS	95616	CA
93-49-0067	MILLERS DAIRY	9501 MILLS STATION	SEBASTOPAL	95472	CA
93-49-0096	J E SCOTT	427 CORONA RD	PETALUMA	94952	CA
93-49-0099	TRUMAN SILACCI	6155 LAKEVILLE HIW	PETALUMA	94952	CA
93-49-0165	W G DREW & SONS	761 CORONA ROAD	PETALUMA	94952	CA
93-49-0182	E J MARTIN & SONS	995 PEPPER ROAD	PETALUMA	94952	CA
93-49-0222	JOHN T SILVA	2402 MAGNOLIA AVE	PETALUNA,	94952	CA
93-49-0268	O J CARINALLI JR	4905 GRAVENSTEIN	SEBASTOPOL,	95472	CA
93-49-0271	GLENN HANSEN	3420 GUERNEVILLE	SANTA ROSA,	95401	CA
93-49-0276	TERRILINDA FARMS	5368 STONY POINT	SANTA ROSA,	95404	CA
93-49-0277	LEROY CHEDA	3272 OLD ADOBE RD	PETALUMA	94952	CA
93-49-0312	ROBERT MCCLELLAND	6475 BODEGA HIWAY	PETALUMA	94952	CA
93-49-0335	CLOVER PRAIRIE FARM	6033 BLANK ROAD	SEBASTOPAL	95472	CA
93-49-0339	MANUEL GONSALVES	4485 D EXTENSION	PETALUMA	94952	CA
93-49-0364	KENTON CALLAWAY	7461 WINDSOR RD.	WINDSOR	95492	CA
93-49-9065	GEORGE MICKELSEN	2400 PEPPER RADO	PETALUMA	94952	CA
93-49-9101	SLEEPY HOLLOW MILK	7689 LAKEVILLE HIW	PETALUMA	94952	CA
93-49-9124	LA FRANCHI BROS.	RT 1 BOX 62	CALISTOGA	94515	CA
93-49-9281	TOM A NUNES JR	4255 WOOLSEY ROAD	SANT ROSA	95401	CA
93-50-0008	WALTER C. PETERSON	535 N. PRAIRIE FLO	TURLOCK	95380	CA
93-50-0062	A VERNE CROWELL	1201 W MONTE VISTA	TURLOCK	95380	CA
93-50-0072	LOUIE DURRER	3731 DUNN ROAD	MODESTO	95351	CA
93-50-0084	MRS J B FISCALINI & SON	7130 KIERNAN AVE	MODESTO,	95351	CA
93-50-0121	GREEN & CHRISTOFFERSEN	4200 E TUOLUMNE	TURLOCK	95380	CA
93-50-0152	JOHN E KIDD	1313 STONE AVENUE	MODESTO	95351	CA
93-50-0177	NORMAN E LUCAS	11204 FULKERTH RD	TURLOCK,	95380	CA
93-50-0213	L G MORASCI	1118 W KEYES RD	MODESTO	95351	CA
93-50-0222	CARL L OTT	2437 BAKER ROAD	MODESTO	95351	CA
93-50-0255	EL KATRINA DAIRY	547 PEDROS RD	CERES	95307	CA
93-50-0264	SHERMAN BROS	1125 HILLS FERRY	NEWMAN,	95360	CA
93-50-0271	DALE SINCLAIR	1001 W MONTE VISTA	CERES,	95307	CA
93-50-0307	W-D RANCH	137 TEXAS ROAD	MODESTO	95351	CA
93-50-0324	MANUEL & BILL VIERRA	2613 SO MITCHELL	TURLOCK,	95380	CA
93-50-0349	MAURICE BRINDEIRO	5831 S TEGNER RD	TURLOCK	95380	CA
93-50-0354	DONALD FILIPPINI	1054 LUNDY ROAD	NEWMAN	95360	CA
93-50-0363	KAMLO HOLSTEINS	3855 EAST KEYES RD	CERES	95307	CA
93-50-0403	YOUNG FARMS	2118 STANDIFORD	MODESTO	95350	CA
93-50-0404	BETTENCOURT & TEIXEIRA	1338 T STREET	NEWMAN	95360	CA
93-50-0409	JOE A DUARTE	8455 FAITH HOME RD	CERES,	95307	CA
93-50-0421	KARANA HOLSTEINS	7713 MAZE BLDG.	MODESTO	95351	CA
93-50-0426	LLOYD D SOUZA	5213 S MITCHELL RD	TURLOCK,	95380	CA
93-50-0546	MEL-DELIN DAIRY	11412 W. MAIN	TURLOCK,	95380	CA
93-50-0567	HENRY GOMES JR.	648 SO FAITH HOME	TURLOCK	95380	CA
93-50-0579	ELMER S ANDERSON JR	ROUTE 1 BOX 120	CROWS LANDING	95313	CA
93-50-0596	PHIL FANELLI	6437 WOODLAND AVE	MODESTO	95351	CA
93-50-0599	JO JON HOLSTEINS	3431 SO MOFFETT RD	TURLOCK,	95380	CA
93-50-0605	GEORGE ESPINDOLA	5725 EHRLICH ROAD	TURLOCK	95380	CA
93-50-0625	LLOYD E STARN	1518 N MITCHELL RD	TURLOCK	95380	CA
93-50-0647	MARVIN W HOLM	313 N PRAIRIE FLOW	TURLOCK	95380	CA
93-50-0671	J WILLIAM DOERKSEN	9649 EAST KEYES RD	DENAIR,	95316	CA
93-50-0674	CLOVER HILL DAIRY	8119 RODDEN ROAD	OAKDALE	95361	CA
93-50-0682	JAN DE BRUYN	6001 W ZEERING RD	CERES,	95307	CA
93-50-0692	STEVE HOFMAN	348 E MONTE VISTA	CERES	95307	CA
93-50-0696	KAY-HART DAIRY	567 KAISER ROAD	MODESTO	95351	CA
93-50-0699	CATON, LOPES & CATUNTO	25912 MCCLINTOCK	NEWMAN,	95360	CA
93-50-0746	MONTE KINSLEY	2401 NEWMAN ROAD	TURLOCK	95380	CA
93-50-0758	WALTER H BROWN	5607 TULLY ROAD	HUGHSON	95326	CA
93-50-0775	J R THOMAS	6816 SO WASHINGTON	CERES	95307	CA
93-50-9109	MIDLAND HOLSTEIN FARM	1940 KINSER ROAD	CERES	95307	CA
93-50-9149	KAY-HART DAIRY	567 KAISER ROAD	MODESTO	95351	CA
93-50-9162	LEWIS & LESLIE LEE	3230 VIVIAN ROAD	MODESTO	95351	CA
93-50-9165	ARLINDA HOLSTEINS	124 N FAITH HOME	TURLOCK,	95380	CA
93-50-9208	MICHEL INVESTMENT CO.	744 MC EWEN ROAD	WATERFORD	95386	CA

TABLE 7. LIST OF HERD-OWNERS (CONTINUED).

HERD CODE	NAME OF OWNER	........ADDRESS OF OWNER........ STREET OR ROUTE	TOWN	ZIP-CODE	STATE
93-50-9258	DIAMOND S RANCH	600 ROBERTS FERRY	WATERFORD	95386	CA
93-50-9396	JOE PIMENTEL	5943 GRIFFIN ROAD	HUGHSON	95326	CA
93-50-9419	JAMES PAPPAS	3749 SHILOH ROAD	MODESTO	95361	CA
93-50-9598	L F MASSINGILL JR.	2306 YOUNG ROAD	MODESTO	95351	CA
93-51-9015	JOHN E. MILLER JR.	P. O. BOX 13	RIO OSO,	95674	CA
93-52-0094	WILLOMONTE HOLSTEINS	ROUTE 2 BOX 95	ORLAND	95963	CA
93-52-9002	WAYNE EARLY & FAMILY	RT 1 BOX 188	LOS MOLINOS	96055	CA
93-52-9058	JOSEPH W. EARLY	ROUTE 1 BOX 172J	LOS MOLINOS	96055	CA
93-52-9065	ROBERT G PURINGTON	2 BOX 189	ORLAND	95963	CA
93-54-0004	LELAND D B	11277 AVENUE 264	VISALIA	93277	CA
93-54-0014	BIXLER FARMS INC	2825 W PROSPERITY	TULARE	93274	CA
93-54-0029	EDGERLY A C	328 W SIERRA WAY	DINUBA	93618	CA
93-54-0040	CURTI M AND SONS	P O BOX 158	WAUKENA	93282	CA
93-54-0060	LONE PALM GUERNSEYS	2557 AVE 199	TULARE	93274	CA
93-54-0065	SEPEDA BROS	17576 ROAD 128	TULARE	93274	CA
93-54-0066	JAQUES DAIRY	22147 ROAD 28	TULARE	93274	CA
93-54-0088	MANDRILLE JOE	7121 AVENUE 204	TULARE	93274	CA
93-54-0094	ROWLEY JIM	18356 AVE 304	VISALIA	93277	CA
93-54-0116	NEWSOME CHARLES	25199 ROAD 164	VISALIA	93277	CA
93-54-0307	GOUDREAU BERNARD	3200 MILL CREEK DR	VISALIA	93277	CA
93-54-9016	LECHE FARMS NO 2	P O BOX 132	TULARE	93274	CA
93-54-9021	COLLEGE OF SEQUOIAS	2245 S LINWOOD	VISALIA	93277	CA
93-54-9038	BOND JOE	6062 AVE 200	TULARE	93274	CA
93-54-9195	DAN-VER HOLSTEINS	20433 ROAD 28	TULARE	93274	CA
93-54-9296	AIROSO JOE	18829 ROAD 64	TULARE	93274	CA
93-54-9337	LECHE FARMS NO 1	P O BOX 132	TULARE	93274	CA
93-54-9367	VEEMAN AND SONS	18333 AVE 184	STRATHMORE	93267	CA
93-54-9369	GRUENSTEIN EDWARD A	25879 ROAD 108	TULARE	93274	CA
93-56-0015	ADOHR FARMS	PO BOX 88	CAMARILLO	93010	CA
93-56-0019	ADOHR FARMS	PO BOX 88	CAMARILLO	93010	CA
93-57-9005	F PLOCHER & SONS	RT 3 BOX 674	WOODLAND	95695	CA
93-58-0006	ROY STAAS	4501 VIRGINIA RD	MARYSVILLE	95901	CA